

MERIDIAM S.A.S., VINCI CONSTRUCTION S.A.S., VINCI CONCESSIONS S.A.S.

NAIROBI-NAKURU-MAU SUMMIT HIGHWAY PROJECT

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT KENYA - APPENDICES 1-1 TO 6-12

WSP REF.: 201-10312-00

DATE: FEBRUARY 16, 2022



APPENDIX

1-1 *ESIA TERMS OF REFERENCES (2019-12- 06)*



VINCI HIGHWAYS S.A.S, VINCI CONCESSIONS S.A.S., MERIDIAM S.A.S.

ENVIRONMENTAL AND SOCIAL ADVISORY FOR THE NAIROBI-NAKURU-MAU SUMMIT HIGHWAY

FINAL VERSION OF THE ESIA TERMS OF REFERENCE

KENYA

REF.: 171-16773-00

DATE : 6 DECEMBER 2019

CONFIDENTIAL





VINCI HIGHWAYS S.A.S, VINCI CONCESSIONS
S.A.S., MERIDIAM S.A.S.

**ENVIRONMENTAL AND SOCIAL
ADVISORY FOR THE NAIROBI-
NAKURU-MAU SUMMIT HIGHWAY**

**FINAL VERSION OF THE ESIA TERMS
OF REFERENCE**

KENYA

CONFIDENTIAL

REF.: 171-16773-00
DATE : 6 DECEMBER 2019

FINAL VERSION OF ESIA TERMS OF REFERENCE

WSP CANADA INC.
16TH FLOOR
1600, RENÉ-LÉVESQUE BLVD. W.
MONTRÉAL (QUÉBEC) H3H 1P9
CANADA

TEL. +1 514 340 0046

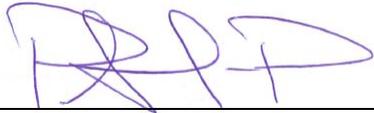
WSP.COM

QUALITY MANAGEMENT

VERSION	DATE	DESCRIPTION
0A	Feb. 16, 2018	Preliminary version for review
1	March 3, 2018	Revision 1 of preliminary ToR
2	July 12, 2019	Revision 2 of preliminary ToR
3	July 26, 2019	Revision 3 of preliminary ToR
4	July 30, 2019	Revision 4 of preliminary ToR
5	August 1, 2019	Revision 5 of preliminary ToR
6	November 15, 2019	Final version
7	November 22, 2019	Final version, revision 1
8	December 6, 2019	Final version, revision 2

SIGNATURES

PREPARED BY



Philippe Alary-Paquette, LLB, M.Env.
Project Manager, Environment-International



Kevin Murphy, MSc. In Applied Science.
Project Manager, Environment-International

REVIEWED BY



Patrick Lafrance
Director Environment - Montreal

This report was prepared by WSP for the account of VINCI Highways S.A.S, VINCI Concessions S.A.S., Meridiam S.A.S., in accordance with the professional services agreement. The disclosure of any information contained in this report is the sole responsibility of the intended recipient. The material in it reflects WSP's best judgement in light of the information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. WSP accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. This limitations statement is considered part of this report.

The original of the technology-based document sent herewith has been authenticated and will be retained by WSP for a minimum of ten years. Since the file transmitted is now out of WSP's control and its integrity can no longer be ensured, no guarantee may be given with regards to any modifications made to this document.

Reference to mention:

WSP Canada Inc. (November 2019). Environmental and Social advisory for the Nairobi-Nakuru-Mau Summit Highway, *Final Version of The ESIA terms of Reference, Kenya*. Report produced for VINCI Highways S.A.S, VINCI Concessions S.A.S., Meridiam S.A.S.. Ref.: 171-16773-00. 29 pages + appendices.

PRODUCTION TEAM

VINCI HIGHWAYS S.A.S, VINCI CONCESSIONS S.A.S., MERIDIAM S.A.S.

Sustainability Director, VINCI Concessions S.A.S.	Sophie Debost
ESG Compliance Officer, Meridiam S.A.S.	Ginette Borduas
Investment Director, Meridiam S.A.S.	Bertrand Fournier-Montgieux
Project Manager - International Business Development, VINCI Concessions S.A.S	Maxime Varin

WSP CANADA INC. (WSP)

Team Leader	Philippe Alary-Paquette
Environmental Specialist	Kevin Murphy
Lead Biodiversity Specialist	Hélène Chouinard
Lead Social Specialist	Antoine Moreau
Air quality Specialist	Sylvain Marcoux
Noise and Vibrations Specialist	Marc Deshaies
Water and Sediment Quality	Patrick Lafrance
Wildlife Specialist	Rodney Van der Ree
Road lighting Specialist	Marie-Ève Allaire
Environmental Specialist	Jean-François Mouton
Environmental Specialist	Kevin Murphy
Local Lead & Environmentalist	Maina Githinji

ABBREVIATIONS

CO2	Carbon Dioxide
CR	Critically Endangered
DBFOMT	Design, Build, Finance, Operate, Maintain and Transfer
DBH	Diameter at breast height
EHS	Environmental, Health and Safety
EIA	Environmental Impact Assessment
EN	Endangered
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
ESMS	Environmental and Social Monitoring System
FAO	Food and Agriculture Organization
FPIC	Free, Prior and Informed Consent
GBV	Gender-Based Violence
GHG	Greenhouse Gas
HVC	High Conservation Value
IFC	International Finance Corporation
IPMP	Indigenous Peoples Management Plan
IUCN	International Union for Conservation of Nature
KeNHA	Kenya National Highways Authority
LAeq	A-weighted, equivalent sound level
Lmax	Maximum sound level
NEMA	National Environmental Management Authority
NGO	Non-Governmental Organization
NOx	Nitrogen Oxides
OCS	Organizations of Civil Society
RfP	Request for Proposals
SEP	Stakeholder Engagement Plan
SOx	Sulfur Oxides
ToRs	Terms of Reference
VOC	Volatile Organic Compound
WB	World Bank
WHSS	Workers Health, Safety and Security



TABLE OF CONTENTS

1	DETAILED TERMS OF REFERENCE.....	1
1.1	Introduction.....	1
1.2	Objectives of the Assignment.....	1
1.3	Baseline Studies.....	2
1.3.1	Study area	2
1.3.2	Air Quality, Greenhouse Gas Emissions and Climate	2
1.3.3	Noise and Vibration	3
1.3.4	Seismicity	4
1.3.5	Topography	4
1.3.6	Soils and Sediments.....	5
1.3.7	Surface Water Quality	6
1.3.8	Biodiversity	7
1.3.9	Ecosystem Services	12
1.3.10	Socio-economic Environment	14
1.3.11	Vulnerable and Marginalized Peoples.....	16
1.4	Stakeholder Engagement Strategy.....	17
1.4.1	Vulnerable and Marginalized Peoples.....	19
1.5	Environmental and Social Impact Assessment Report.....	19
1.5.1	Executive Summary	20
1.5.2	Project Description and Motivation.....	20
1.5.3	Legal, Regulatory and Institutional Framework.....	20
1.5.4	Environmental and Social Baseline Conditions	20
1.5.5	Impact Assessment	21
1.5.6	Analysis of Project Alternatives.....	23
1.5.7	Stakeholder Engagement.....	24
1.5.8	Environmental and Social Management System	24
1.6	ESIA Team.....	28
1.7	Assignment Schedule.....	29



TABLES

TABLE 1-1	STAKEHOLDERS ENGAGEMENT ACTIVITIES FOR THE ESIA.....	18
TABLE 1-2	IMPACT MAGNITUDE MATRIX	21
TABLE 1-3	KEY PERSONNEL OF THE ESIA TEAM.....	28
TABLE 1-4	PROJECT SCHEDULE.....	29

1 DETAILED TERMS OF REFERENCE

1.1 INTRODUCTION

KeNHA is engaged in the development, operation and maintenance of highways and as part of this endeavour, has decided to undertake widening, improvement and operation and maintenance of various sections of highway between Nairobi and Mau Summit through a Public Private Partnership (PPP) arrangement on a Design, Build, Finance, Operate, Maintain and Transfer (DBFOMT) basis. Those road sections comprise: (i) the widening of approximately 175 km of the A8 highway between Rironi and Mau Summit for its development into a 4 (four) lane dual carriageway and in due course its further development into a 6 (six) lane dual carriageway in sections depending upon traffic volumes; and (ii) upgrading of approximately 57.8 km the A8-South highway between Rironi and Naivasha via Mai Mahiu (the Project).

The Rift Valley Connect Consortium (the Consortium) has been selected as the preferred bidder and is now initiating the final project preparation phase which includes *inter alia* the detailed project design and the preparation of required environmental and social studies.

Environmental and Social (E&S) documentation provided by the Consortium includes:

- RFP stage ESIA, July 2018;
- Final RAP, approved by the World Bank (WB);
- Recommendations for biodiversity management - Final Report, March 2018 (The Biodiversity Consultancy, on behalf of the WB);
- Vulnerable and Marginalized Groups Framework (VMGF) - pending approval by the WB (approval expected shortly);
- Report on the wildlife crossings along Rirona Mau summit road expansion (KWS, November 2017);
- Minutes of meeting with Maasai Community, March 2019; and,
- Minutes of meeting with Ogiek Community, March 2019.

1.2 OBJECTIVES OF THE ASSIGNMENT

The Consortium is seeking qualified consulting services to prepare an ESIA and Environmental and Social Management Plan (ESMP) for the proposed Project.

The ESIA and the ESMP shall be prepared in a manner that will comply with:

- Provisions of the Kenyan Constitution;
- Guidelines of National Environmental Management Authority of Kenya;
- Relevant laws, acts, regulations and policies published or gazette by Government of Kenya;
- National Environmental Management Authority of Kenya (NEMA)'s EIA Guidelines;
- World Bank guidelines, International Finance Corporation (IFC) performance standards and IFC Environmental, Health and Safety Guidelines, in their latest versions; and,
- Other International Conventions and Treaties relating to the environment to be adhered for achieving sustainable development.

Should there be any contradiction between the applicable laws, regulations, standards and guidelines, the more stringent requirement shall take precedence.

The ESIA and ESMP shall be sufficiently informed and detailed to meet the WB/IFC requirements and obtain associated no-objections.

The ESIA and ESMP shall also enable approval and EIA licensing by the National Environmental Management Authority (NEMA). The Consultant, in collaboration with the Consortium, shall be expected to deliver all ESIA documents required for delivery of the various Project components' EIA license(s), and follow-up with the authorities to obtain said license(s). As a preliminary indication, it is currently expected that distinct ESIA/ESMP reports will need to be produced to obtain licenses for the following project components:

- Main Project;
- Quarries and borrow pits;
- Worker campsites; and,
- Bulk fuel storage / Asphalt plants.

Resettlement issues are excluded from the scope of the present ToRs.

1.3 BASELINE STUDIES

The following sections explain notably detailed baseline characterization studies which will support the ESIA and the Stakeholder engagement strategy that will be applied during the ESIA process. Associated objectives and methodologies are provided for each discipline.

1.3.1 STUDY AREA

The study area boundaries will be selected to cover all planned activities, including all project facilities (e.g., borrow pits, excavation, traffic, etc.) as well as to circumscribe all direct and indirect project effects on the biophysical and human environments. The ESIA will provide justification for the selection of the study area. If necessary, the study area may be composed of different areas. Indeed, the study area can be divided into a restricted area (Local) and an extended area (Regional). The need to consider different zones is justified by the fact that, for certain criteria, the project will only influence components that are located near the project footprint of the Project, while for others, its effects will impact a wider geographic area (e.g. wildlife).

Therefore, as always, definition of the study area in the Consortium's ESIA must be duly justified and backed by facts and reasonable assumptions.

1.3.2 AIR QUALITY, GREENHOUSE GAS EMISSIONS AND CLIMATE

An air quality and climate study is required to establish the baseline ambient air quality conditions within the study area, as well as the expected project contribution to climate change through greenhouse gas (GHG) emissions. The air quality study aims to determine current and projected air quality (before and after the project). The greenhouse gas study aims to quantify direct GHG emissions from the activities owned or controlled by the Project during construction and operation, and estimate GHG emissions from road traffic increase expected as a result of the Project during the operation phase.

Project infrastructure present vulnerability to climate change. The climate study will aim to describe projected climate change impacts in the project area to allow for design adjustments making the Project more resilient to climate change.

1.3.2.1 OBJECTIVES

The key objectives of the air quality, GHG emissions and climate study are to:

- Assess and determine meteorological and ambient air quality conditions within the study area;
- Identify existing and potential future types and sources of non-project related emissions and air quality pollutants (particulate matter and gaseous);
- Identify and characterize potential receptors of air quality impacts (human and ecological);
- Determine net GHG emissions from the activities owned or controlled by the Project, including both the construction and operation phases; and,
- Analyze climate change vulnerability in the study area and the effect of project implementation on this vulnerability.

1.3.2.2 METHODOLOGY

The air quality, GHG emissions and climate study will be completed using the following methodology:

- Undertake a review and analysis of available meteorological data in the Kiambu, Nyandarua and Nakuru Counties;
- Collect relevant baseline air quality data in both the dry and wet season, with sufficient level of detail to give an accurate portrait of baseline air quality within the study area;
- Identify potential and future sources of emissions affecting air quality (for example dust and particulate matter, crystalline silica, VOCs, NOx and SOx) in the project and surrounding areas;
- Perform modelling of dust and other air pollutant dispersion during the construction and operation phases.
- Using available aerial photography and other relevant means, identify potential sensitive receptors (human and ecological) likely to be affected by project activities (mainly during the construction phase) and identify compliance indicators against which impacts on these receptors can be evaluated;
- Identify national and international standards in terms of air quality that the project must comply with;
- Quantify Project GHG emissions in CO2 equivalent for a period of 25 years based on Intergovernmental Panel on Climate Change emission inventory guidelines;
- Estimate GHG emissions increases to be expected from road traffic increase during the operation phase;
- Undertake a review of available desktop information on projected climate change impacts in the study area; and,
- Document project design adaptations necessary for the Project to be resilient to climate change.

1.3.3 NOISE AND VIBRATION

Noise and vibration generated during the construction and operations phase could lead to impacts on the human environment and fauna. A noise and vibration study will identify the origins of each impact and point toward potential impacted sensitive areas. An impact study requires a baseline study to establish the initial noise and vibration levels inside the study area, more specifically at the location where main impacts are anticipated. The potential induced vibrations (blasting overpressure) from project activities must also be assessed. Once the baseline is established, it will be possible to predict additional noise or vibration produced by the project, quantify each impact and suggest mitigation measures to minimize initial project impacts.

1.3.3.1 OBJECTIVES

The key objectives of the noise and vibration study are to:

- Identify existing and potential future sources of non-project related noise and vibrations inside the project area (roads, rail corridor, quarry or mining operations, etc.);
- Assess ambient noise levels before project implementation in areas prone to noise generation, using Lmax in third octave bands and LAeq in third octave bands. These sound indexes which allow a comparison with

relevant national and world health organization noise guidelines. Determine which populations are already exposed to impacts due to existing transport, commercial, or industrial activities; and,

- Identify and characterize potential noise sensitive receptors (endangered species nurturing grounds, local communities, etc.).

1.3.3.2 METHODOLOGY

The noise and vibration study will be completed using the following methodology:

- Using available aerial photography, information from the socio-economic baseline study and other relevant means, identify potential sensitive receptors likely to be affected by project activities (in construction and operation phases). Examples of sensitive receptors include, among others, schools, health facilities, residential areas, etc. The receptors should be located within a distance of about 1 km from project footprint.
- Identify existing non-project sources of noise or vibration (ex. railway) and potential future sources in the vicinity of project area.
- Develop a noise and vibration measurement methodology and protocol, noting environmental wind conditions, existing sources of noise and vibrations and other parameters at the time of sampling.
- Collect noise and vibration data relevant to the project as outlined above. Sampling will be conducted during the dry season. Noise levels (L_{max} in third octave bands and L_{Aeq} in third octave bands) for each selected site will be sampled for a 24 hour period at a minimum. A class I noise meter should be used for measuring noise. Obtain all required authorizations from NEMA before proceeding to data collection.
- Compare ambient noise levels with relevant national standards and international guidelines.
- Perform modelling of noise emissions and vibrations during the construction and operation phases to optimize final design and minimize required mitigation.

1.3.4 SEISMICITY

The risk of seismic activities is a concern in the Rift Valley. This study aims consequently to identify the probability of these phenomena to happen at the project location.

1.3.4.1 OBJECTIVES

The key objectives for the seismicity study are to:

- Characterize seismic activities in Kenya and within the study area, and,
- Identify the risk of seismic hazards in the project area.

1.3.4.2 METHODOLOGY

The seismicity study is mainly based on information produced in the course of the design studies. The seismicity study will be completed using the following methodology:

- Review existing documentation on seismicity (e.g., seismic hazard map, active faults, etc.)
- Provide an overview of seismic risks within the regional and local study area.

1.3.5 TOPOGRAPHY

A topography study is needed to provide a baseline description of topographic characteristics of the road alignment and the local study area.

1.3.5.1 OBJECTIVES

The key objective of the topography study is to describe the provincial and local topographic context of the local study area to inform project design and to better understand possible topographic constraints.

1.3.5.2 METHODOLOGY

The methodology followed to complete the topography study includes:

- Analyze detailed topographical data acquired for the Project design (e.g., LiDAR);
- Review existing regional topographic documents and maps to describe the regional topographic context (within Kiambu, Nyandarua and Nakuru counties at minimum);
- With the help of maps, describe the local topographic context of the study area with an emphasis on main topography elements, including contour lines; and,
- Using historical records, describe geological risks along the existing road (i.e., landslides, rockfalls, erosion).

1.3.6 SOILS AND SEDIMENTS

A soil and sediments study is required to establish the chemical and physical characteristics of surface and subsurface soils as well as sediments in water bodies. This characterization will be used as baseline information to describe soil and sediment components prior to the project.

1.3.6.1 OBJECTIVES

The key objectives of the soils and sediments study are to:

- Provide a regional geological context;
 - Describe and map the distribution of soil resources;
 - Identify areas inside the project footprint where likelihood of soil contamination is higher (e.g., truck stops, industrial areas, etc.);
 - Characterize soil conditions inside those areas in terms of contamination by hydrocarbons, metals, etc.;
 - Provide information required to develop the ESMP, specifically the Construction Management, Pollution Prevention Management Plan, Contaminated Soils Management Plan and Erosion Control and Re-vegetation Management Plan.
 - Characterize sediments of watercourses crossed by the project, especially tributaries of lakes Naivasha, Elementeita and Nakuru in order to determine their composition and quality; and,
 - Inside the project footprint, determine if parameters of concern in the soils and sediments are naturally or anthropogenically driven.
-

1.3.6.2 METHODOLOGY

SOILS

The methodology followed to complete the soils study includes:

- Review existing regional soil maps (Government Geological Mapping, Land use and occupation Mapping, Regional, and Local Topo cadastral mapping).
- With the use of satellite imagery and/or local surveys and consultations, identify areas inside the project footprint where likelihood of soil contamination is higher (e.g., truck stops, industrial areas, etc.).
- Develop soil and sediment sampling protocols for review by the client and NEMA prior to field work. This protocol will be based on international best practice.

- Undertake soil characterization in areas identified as high potential for existing contamination. Characterization will be conducted by collecting soil samples according to the sampling protocols developed by the Consultant and reviewed by the client and NEMA. Sampling protocols are likely to include:
 - Recording representative soil profiles and surrounding geomorphology.
 - Preparing the soil samples for laboratory analysis (bulking, bagging, labelling and shipping to an accredited laboratory with appropriate analytical facilities). The choice of the laboratory will have to be presented to and accepted by the Consortium and NEMA and good performance of the laboratory will have to be proven.
- Analyze physical soil parameters including particle size distribution, permeability, erodibility, porosity and soil-water relations.
- Analyze chemical soil parameters including heavy metals and any other contaminant suspected to be found in the soil. The list of parameters to analyze will be determined according to the type of activities identified from satellite imagery analysis, local surveys and consultations. The results of the analysis will be compared to national and international standards.

SEDIMENTS

- Collect sediment samples inside watercourses crossed by the project, especially tributaries of lakes Naivasha, Elementeita and Nakuru, to determine their physical and chemical properties. This will require coordination with the biodiversity team. Only one sampling campaign is planned and will target the transport and deposition of particles associated with the wet season. Compare results to national and international standards.
- Classify each watercourse crossed by the project based on stream morphology and hydrological orders, using cartography analysis, photo-interpretation and field visits.
- Characterize aquatic habitats within the project footprint, more specifically at river crossings (upstream, at crossing and downstream) and identify any potential aquatic species using the area
- Record parameters on watercourses such as substrata, extent of floodplain, water depth, surroundings and connectivity with other waterbodies.
- Based on habitats characterization and classification, select at least 10 watercourses for sediment quality sampling, to determine their physical and chemical properties. Only one sampling campaign is planned and will target the transport and deposition of particles associated with the wet season. Sampling stations should be distributed in each watercourse class and will need to be positioned especially in tributaries of lakes Naivasha, Elementeita and Nakuru, both upstream and downstream of the project.
- Send samples to an accredited laboratory for analysis. The choice of the laboratory must be presented to and accepted by the Consortium and NEMA, and good performance of the laboratory will have to be proven. Parameters to be measured will be dictated by local water quality standards and international best practices. Results will be compared to national and international standards.

1.3.7 SURFACE WATER QUALITY

A water quality study is needed in order to provide baseline data for surface water in watercourses crossed by the project, especially tributaries of lakes Naivasha, Elementeita and Nakuru, upstream and downstream of the project. This data will contribute to a better understanding of existing conditions, will be a strong basis for water quality monitoring and could be considered for other component analyses (climate, biodiversity, etc.).

1.3.7.1 OBJECTIVES

The key objectives of the surface water study are to:

- Describe the chemical and physical properties of the watercourses crossed by the project, especially tributaries of lakes Naivasha, Elementeita and Nakuru;
- Compare seasonal variations (dry season vs. rainy season) of chemical and physical factors; and,

- Establish baseline conditions for hydrocarbon, metal, and suspended matter in surface water in watercourses crossed by the project;
 - Identify (based on a desk review only) major pollution sources of lakes Naivasha, Nakuru and Elementeita to better evaluate the project's potential contribution to such pollution.
-

1.3.7.2 METHODOLOGY

LITERATURE REVIEW

- Perform a review of available documentation on water quality and pollution sources for lakes Naivasha, Nakuru and Elementeita. Discuss findings.

FIELD WORK

- Classify each watercourse crossed by the project based on stream morphology and hydrological orders, using cartography analysis, photo-interpretation and field visits.
- Characterize aquatic habitats within the project footprint, more specifically at river crossings (upstream, at crossing and downstream).
- Record parameters on watercourses such as substrata, extent of floodplain, water depth, possible contamination sources, surrounding land use and connectivity with other waterbodies.
- Based on habitats characterization and classification, select at least 10 watercourses for surface water quality sampling (the same watercourses as for the sediment sampling, plus all other natural watercourses, crossed by the Project and draining directly or indirectly in lake Naivasha, Elementeita or Nakuru through surface runoff). Collect surface water samples from selected watercourses during both dry and rainy season. Sampling stations should be distributed in each watercourse class. At each sampling station, collect samples upstream and downstream of the project.
- Send samples to an accredited laboratory for analysis. The choice of the laboratory will have to be presented to and accepted by the Consortium and NEMA and good performance of the laboratory will have to be proven. Parameters to be measured will be dictated by local water quality standards and International best practices.
- In addition to collecting water samples for laboratory analysis, a multiparameter probe will also be needed to collect additional data of temperature, conductivity, turbidity and oxygen.

DATA ANALYSIS

Analyze results from the laboratory to present seasonal variations (dry season vs. rainy season) for the various parameters.

1.3.8 BIODIVERSITY

A biodiversity study is required to characterize the biological environment, including natural and modified habitats as well as terrestrial, semi-aquatic and aquatic flora and fauna, inside the project footprint. It is expected that terrestrial flora, fauna and habitats characterization will mainly be based on primary data gathered during the most appropriate seasons. Data gathered will contribute to assess habitat integrity as well as species composition and distribution within modified and natural habitats.

1.3.8.1 OBJECTIVES

The key objectives of the biodiversity study are to:

- Describe the regional biodiversity context in which the project is located (terrestrial and freshwater ecoregions, ecological units and protected areas);

- Map and characterize modified and natural habitats, including a description of habitat fragmentation, and land use and tenure which may act as constraints on wildlife movement (e.g., fencing, linear infrastructure); Describe semi-aquatic and aquatic flora and fauna based on desktop research, except for specific surveys identified below;
- Survey and describe terrestrial flora and fauna as well as their diversity inside the project footprint;
- Validate list of species of special concern in the Biodiversity Consultancy 2018 report¹ including International Union for Conservation of Nature red-listed species, protected species according to National Law, endemic/restricted range species, migratory/congregatory species according to IFC criteria, species of cultural or usage value and invasive alien species;
- Assess forestry aspects (presence of timber species to be felled, average diameter at breast height, tree per hectare, etc.) inside the project footprint, if appropriate;
- Describe the ecological relationships between terrestrial, semi-aquatic and aquatic flora and fauna species and the identified habitats;
- Identify existing and potential threats to terrestrial, semi-aquatic and aquatic flora, fauna and habitats inside the project area and downstream;
- Identify habitats of ecological significance based on their ecological characteristics (integrity, roles and species composition);
- Identify high biodiversity values according to IFC criteria;
- Determine if the project area is located within a Critical habitat according to IFC criteria;
- Identify the presence and distribution of alien invasive species in the project area; and,
- Conduct studies to mitigate barrier effects on wildlife.

1.3.8.2 METHODOLOGY

LITERATURE REVIEW

- Review relevant available information to summarize the regional and surrounding ecosystems and related terrestrial, semi-aquatic and aquatic flora and fauna diversity (small, medium and large mammals, amphibians, reptiles, birds and fish).
- Develop a list of flora and fauna species potentially present inside the project footprint based on their known occurrence within the same ecological unit. Indicate if any of these are of special concern.
- Identify known migration corridors within the regional study area and associated species.
- Document the tree species of commercial interest potentially present inside the project footprint, if appropriate.
- Document species of cultural and use value in the regional context.
- Document alien invasive species potentially present within terrestrial habitats of the project footprint.

HABITAT MAPPING

Habitat mapping will be used to plan the biological surveys. The steps involved in habitat mapping are as follows:

- Conduct a preliminary interpretation of available satellite imagery to identify main terrestrial and aquatic habitat types;
- Analyze available maps prepared to support environmental assessments for other projects in the study area;
- Prepare a preliminary map of habitat types within the study area; and,

¹ Bennun, L., Serckx, A., Tatum-Hume, E. & Katariya, V. (2018). Proposed Expansion of Rironi-Mau Summit Highway, Kenya: Critical and Natural Habitat Screening and Recommendations for Biodiversity Management. Report prepared on behalf of the World Bank. The Biodiversity Consultancy Ltd, Cambridge, UK.

- Following biological surveys, perform a more detailed and precise interpretation of satellite imagery according to the ground control waypoints taken in each habitat type within the study area. Modified, natural and critical habitats will be clearly identified according to IFC definition.

DETAILED BASELINE SURVEYS

Methodologies and survey programs for baseline surveys will be developed based on the information collected during desktop studies completed prior to surveys. The following ToRs are indicative based on the Consortium team's experience and professional judgement and are subject to change.

Terrestrial Flora surveys will be completed to determine the terrestrial flora communities crossed by the Project. The flora surveys will include the following activities:

- Undertake a reconnaissance visit to field verify habitat mapping and survey specific sites of interest identified during the process of habitat mapping, if needed.
- Conduct two biological surveys in pre-identified habitat types planned to target vegetative seasons, taking care of seasonality in vegetation presence, particularly for species of special concern that may be present.
- Based on the preliminary habitat mapping and the reconnaissance visit, distribute sampling stations across the study area and select stations to represent the relative importance of each habitat type.
- Systematically conduct flora surveys in all habitats within the study area known to support species of special concern.
- Geo-locate survey areas so the same plots can be re-sampled in successive site visits.
- Using recognized techniques, record quantitative data (e.g. species count, ligneous density and abundance based on Braun-Blanquet method) and qualitative data (e.g. photos, taxonomic identification).
- Record parameters on habitats such as disturbance level, soil type, drainage and slope.
- Record forestry aspects (size of trees at diameter at breast height, species of commercial interest, volume of timber present), if appropriate.
- Conduct complete inventory of trees to be cut in forest reserves (height, DBH, volume, etc.) if requested by Kenya Forest Authority.
- Collect samples of unidentified plant species and refer to a herbarium or send to known specialists to confirm identification.
- Locate threatened species encountered in the project footprint and describe the population and associated habitat. If possible, collect specimens to confirm the taxonomic identification in case of uncertainty.
- Perform investigations in local communities with focus groups in order to establish a list of flora species of cultural or usage value.
- Provide a description of the floristic composition and relative abundance of taxonomic groups for each terrestrial habitat type.
- Determine species richness, relative abundance, biodiversity indicators and distribution of terrestrial vegetation at each sampling station with a focus on species of special concern.
- Identify for each species, the vegetative strata it is associated with (e.g., herbs, scrubs, trees, lianas, epiphyte).
- Provide species accumulation curves by habitat type.
- Indicate the importance of the terrestrial flora and habitats of the study area relative to the surrounding, national and regional area.
- Identify areas of sensitivity with respect to flora and habitats.
- Assess the conservation value of each habitat within the study area against the high biodiversity values according to IFC criteria.
- Discuss the presence of invasive alien species, if any.

- Indicate links (e.g. dependencies and interactions) of species/vegetation types and physical environmental aspects, such as substrate, drainage, altitude, slope and topography and briefly describe the ecological system represented by the vegetation.
- Examine and describe links between species and habitat types/areas. Correlations between habitats and flora and fauna species will be considered to determine the ecological significance of each habitat and some specific area.
- Establish a list of species of cultural or usage value, with scientific and local name, as well as the part of the plant used and use for each species.

Targeted Aquatic Flora surveys will be completed to determine presence of *Lagarosiphon hydrilloides* in wetlands located on or near the project alignment:

- Survey all permanent and seasonal wetland areas, on or near the road alignment, during both dry and rainy season to determine presence of *Lagarosiphon hydrilloides* (aquatic plant).
- Discuss the presence, if any, of freshwater aquatic invasive alien species.

Terrestrial and semi-aquatic wildlife surveys will address the following groups: medium to large mammals; small mammals; reptiles and amphibians; and avifauna (key groups will be selected).

- Using recognized methodologies, conduct two field surveys in the habitat types in the project area, focusing on periods where wildlife is more prone to move inside the study area and when species of special concern are susceptible to be encountered. The reconnaissance studies will inform the need for additional surveys, if required. The number of survey locations will vary according to specific methodologies related to each taxonomic group.
- Systematically conduct surveys in all habitats known to support species of special concern.
- Survey all permanent and seasonal wetland areas, on or near the road alignment, during both dry and rainy season to determine presence of a series of wetland dependent species: *Bulinus permembranaceus* (mollusc), , as well as *Cacosternum kinangopensis*, *Hyperolius cystocandicans*, *Hyperolius montanus*, *Mertensophryne lonnbergi*, *Phrynobatrachus keniensis*, *Phrynobatrachus kinangopensis* and *Ptychadena mahnerti* (amphibians);
- Involve local communities and authorities in the identification of hunted species, and improve local knowledge about species distribution.
- Provide a description of the terrestrial and semi-aquatic fauna composition of each habitat type with a focus on species of special concern.
- Determine species richness, relative abundance and distribution of terrestrial fauna at each sampling station.
- Provide species accumulation curves by habitat type for each taxonomic group.
- Examine and describe the seasonal patterns of terrestrial fauna, as well as links between species and habitat types or areas of ecological significance. Correlations between habitats and fauna species will be considered to determine the ecological significance of each habitat type and some specific areas of ecological significance.
- Evaluate the importance of the terrestrial wildlife inside the study area relative to the surrounding, national and regional areas.
- Compile and analyse existing data on wildlife killed in road collisions including details regarding the species involved, and the time and location of the collision.
- Compile and analyse existing data on human-wildlife conflict, including bushmeat poaching, as this will also provide information related to animal movements.
- Design and implement a study of animal movements in the Marula-Kigio-Soysambu area in relation to the A8 highway to determine their ranging patterns and behaviour, including seasonal variations. Details of the animal movement study will be confirmed following the completion of wildlife reconnaissance surveys, and shall include the following data collection methods: (a) observational sampling, and (b) a network of camera traps targeting priority species. Priority species would include those most often involved in vehicle collisions (thought to be zebra and buffalo) and Nubian (Rothschild's) Giraffe. The animal movement study would inform the final selection and design of wildlife crossings (underpasses and overpasses) for the Project.

- Determine the High Conservation Value type (HCV 1 – 6) of existing habitats in the study area.
- Survey the Kinale Forest alignment, with a focus on indigenous forest fragments, to determine if CH-qualifying species such as *Trioceros jacksonii* (chameleon) and *Sylvisorex granti* (shrew) are present.
- Conduct baseline surveys in dry grassland and scrub habitats between Naivasha and Nakuru to determine the distribution, abundance and more precise habitat preferences of *Bitis worthingtoni* (viper);

Aquatic fauna surveys will be completed to determine the presence and abundance of fish within aquatic habitats of watercourses crossed by the Project. The aquatic fauna surveys will include the following activities:

- Classify each watercourse crossed by the Project based on stream morphology and hydrological orders, using cartography analysis, photo-interpretation and field visits.
- Characterize aquatic habitats within the study area, more specifically at river crossings (upstream, at crossing and downstream) and identify any potential aquatic species using the area.
- Record parameters on habitats such as flora species composing habitats, disturbance level, substrata, extent of floodplain, water depth and connectivity with other freshwater aquatic habitats.
- Select at least 10 watercourses for benthos and fish surveys based on habitat characterization and classification. Survey sites should be distributed in each watercourse class and where habitats are the more ecologically interesting. Conduct two field surveys (the best period should be targeted to assess seasonality diversity). Fish surveys should be focused on the local study area.
- Systematically conduct surveys in all freshwater aquatic habitats known to support species of special concern. In particular, survey the upper Lake Baringo catchment streams crossed by the road to determine presence of *Aplocheilichthys sp. nov.* 'Baringo' (fish).
- To characterize the fish populations, survey methodologies will be adapted according to identified habitat types. The survey methods should include involving fishermen to discuss and analyze their catch.
- Geo-locate survey areas so the same plots can be re-sampled on successive site visits.
- Using recognized techniques, record quantitative data (e.g. species count and abundance estimation) and qualitative data (e.g. photos, taxonomic identification).
- Collect unidentified species and send to known specialists to confirm identification.
- Identify the location of endangered species encountered in the study area and describe the population.
- Provide a description of the species composition of each freshwater aquatic habitat class with a focus on species of special concern.
- Determine species richness, relative abundance and distribution of freshwater aquatic biota at each sampling station.
- Provide species accumulation curves by habitat type for fish.
- Evaluate the importance of the freshwater aquatic biota and habitats within the study area relative to the surrounding, national and regional area.
- Identify any areas of particular sensitivity along the project routing with respect to freshwater aquatic biota and habitats.
- Assess the conservation value of each freshwater aquatic habitat crossed by the project against the High Conservation Value types (HCV 1 – 6) and determine if the project is located inside a critical habitat.
- Discuss the presence, if any, of freshwater aquatic invasive alien species.
- Indicate links (e.g. dependencies and interactions) of freshwater aquatic species/vegetation types and physical environmental aspects, such as substrate, water depth, connectivity with other freshwater aquatic habitats, altitude and topography and briefly describe the ecological system represented by the freshwater aquatic vegetation.

1.3.8.3 CRITICAL HABITAT ANALYSIS

Critical habitat analysis will be completed to determine if the Project is located in a High Biodiversity Value area according to IFC Performance Standard 6.

The main data needed for critical habitat analysis will be gathered during literature review and terrestrial, semi-aquatic and aquatic flora and fauna surveys. The data analysis will consequently:

- Determine one or more ecological unit of analysis based on the determination of a homogeneous and continuous ecological unit.
- Within identified ecological unit(s), describe the presence or absence of the following IFC criteria:
 - Criterion 1: Critically Endangered (CR) and/or Endangered (EN) species
 - Criterion 2: Endemic and/or restricted-range species
 - Criterion 3: Migratory and/or congregatory species
 - Criterion 4: Highly threatened and/or unique ecosystems
 - Criterion 5: Key evolutionary processes
- Assess other Critical habitat criteria identified in the PS6.
- Identify if this ecological unit includes one or more of the IFC criteria.
- If critical habitat is confirmed, a Biodiversity Action Plan (BAP) will be required. If required, the BAP would be integrated within the Biodiversity Management Plan (BMP).

1.3.9 ECOSYSTEM SERVICES

An Ecosystem services study is required to understand how local people derive their livelihoods and well-being from the natural environment, and other benefits that the ecosystems provide, according to IFC PS 6, and other performance standards as outlined in Annex A of Guidance Note 6 (i.e., PS 1, 4, 5, 6, 7 and 8).

The scope of this study will include primary data collection of natural resources inside the project area to support the assessment of ecosystem provisioning and cultural services. Additionally, the documentation of ecosystem services will be based on an integrated understanding of physical, biological and human environments. Primary data collection required to support the assessment will be performed through the other baseline studies, specifically the biodiversity, soils and sediment, and socio-economic environment studies.

1.3.9.1 OBJECTIVES

The objectives of the ecosystem services study are to:

- Meet the requirement to apply IFC Performance Standard 6 to projects that potentially impact on or are depending on ecosystem services used by communities neighbouring the project and over which the client has direct management control or significant influence;
- Assess abundance of natural resources used by the local population (plants/animals/minerals) and characterize their seasonal variation;
- Establish whether any natural resources are used for commercial purposes and identify the market chains;
- Identify existing and potential threats (including those related to the project) to areas recognized as important for natural resource use;
- Establish the significance (use and level of dependency) of local ecosystems in provisioning, regulating, cultural and supporting services for local communities;
- Identify the local population's level of dependency on ecosystem services provided inside the project footprint and their importance on communities' livelihood (consider gender specific assessment); and,

- Identify priority ecosystem services (Types I and II) based on a systematic review and prioritization.
-

1.3.9.2 METHODOLOGY

PHASE 1: RECONNAISSANCE STUDY

The scope of work for the reconnaissance study will involve a qualitative assessment of ecosystem services used in the project area as well as the following activities:

- Review relevant available information to identify and document main ecosystem services, or ecologically related ecosystems.
- Literature review focusing on ecosystem functionalities in order to gain an understanding of the changes and adjustments according to various natural and anthropogenic settings.
- Review existing documents about ecosystem services valuation in Africa, especially in Eastern Africa and Kenya.
- Identify areas, beneficiaries and key informants who can assist with understanding ecosystem services and related local activities inside project footprint, or ecologically linked areas, which would need to be investigated further during the baseline data collection.
- Liaise with socio-economic teams in order to introduce aspects related to ecosystem services in their socio-economic studies, notably inside their questionnaires.
- Review of data collected during other baseline studies (physical, biological and human environments) to feed the identification and assessment of regulating, cultural and supporting ecosystem services.
- Develop a specific method for ecosystem services prioritization compliant with IFC's PS6.
- Develop a detailed field work protocol and inquiries program in order to describe and prioritize ecosystem services.

PHASE 2: DETAILED BASELINE SURVEY

Required field work to adequately document and prioritize ecosystem services should include the following:

- Perform focus groups with representatives of distinct user groups (beneficiaries), including, but not limited to: local women, agricultural producers, hunters, fishermen, traditional practitioners and firewood & charcoal makers or any other beneficiaries identified during Phase 1 of this study. Separate focus group sessions will be performed with representatives of local women, as well as with representatives from vulnerable groups identified by the socio-economic team, where relevant.
- Focus group meetings should serve to document all services in order to complete data gathered from other teams for ecosystem services identification and prioritization. Information about ecosystem services should include, without being restricted to, all beneficiaries, seasonal/period patterns, inter-relations with natural and social components, drivers of ecosystem changes, significance for their beneficiaries, level of irreplaceability, presence of accessible alternatives, etc. For provisioning services, data to be collected will include species used, the types of uses, the collecting methods and periods, the provisioning areas, the associated trade activities, as well as the perceived condition of the resources.
- Walks with local user groups will be conducted during field work in order to identify important areas related to ecosystem services.
- Identify products that are commercialized and described current market access and associated market value

The above should take place in a representative number of villages along the proposed project, with priority to villages exploiting habitats most impacted by the project. If relevant, field work could be conducted in communities located elsewhere, which are also beneficiaries of ecosystem services provided inside the project footprint.

Data analysis should include the following:

- Complete ecosystem services (regulating, provisioning, cultural and supporting) prioritization based on gathered data from the distinct baseline studies performed for the physical, biological and human environments.
- Identify and describe priority ecosystem services (Types I and II) based on a systematic review and prioritization.
- Develop a database of ecosystem services:
 - Ecosystem services and beneficiaries;
 - Plants, animals and minerals used inside the project footprint – local and scientific names, part harvested (the specific use does not need to be recorded since this could lead to intellectual property rights issues).
- Maps indicating locations of the most important habitats associated to priority ecosystem services (Types I and II)

1.3.10 SOCIO-ECONOMIC ENVIRONMENT

1.3.10.1 OBJECTIVES

The key objectives of the socio-economic environment study are to:

- Describe the population within the area of influence of the Project in terms of size, age and gender distribution, as well as rates of growth – and recent demographic trends.
- Describe governance structures at all relevant levels (i.e., local, ward, constituency, county, etc.).
- Map land ownership patterns, clearly indicating public land, private land, community land and land owned by KenHA.
- Map and describe land use and settlement patterns (i.e., the physical distribution of the population across the territory).
- Among households within the study area, survey and describe household composition, as well as gender distribution of labour, access to land and other resources, participation in the labour force, and levels of educational attainment.
- Describe the types of vulnerabilities present among surveyed households (e.g., low-income threshold, disabilities, chronic diseases, etc.).
- Map and describe local use of natural resources, particularly water resources, fish and wildlife, forest resources (wood and non-wood), medicinal plants, and agricultural land.
- Map and describe common property resources, as well as cultural property (e.g., places of ritual significance, graveyards, and monuments).
- Describe existing EHS practice challenges relating to road construction in Kenya.
- Carry out aerial and field surveys to identify areas with high potential for the presence of cultural resources.
- Survey and describe local markets specifically to understand access to food supplies and food prices.
- Investigate and describe the economic activities present in the study area, including resource-based activities such as agriculture and fishing as well as sources of wage employment.
- Identify and map existing community services and infrastructure, including roads, electricity lines, sources of drinking water, schools, hospitals, medical clinics, places of worship, markets, etc.
- Identify waste landfills, dumps, existing quarries and medical facilities that the project may rely upon.
- Describe the availability and accessibility of health services in the study area (i.e., Areas of Direct and Indirect Influence), and assess the capacity of those services to meet the needs of the local population. Perform a preliminary background investigation to describe current epidemiological conditions, specifically regarding STDs and HIV.

- Perform a preliminary background investigation to describe current levels and types of gender-based violence (GBV) and sexual abuse and exploitation.
- Describe access to primary and secondary education in the communities impacted by the Project, and needs relating to human capital development (i.e., vocational and other types of training).
- Survey and describe road traffic volumes and road safety in existing roads within the Areas of Direct and Indirect Influence.
- A Project RAP has been developed which covers the ROW. The Project as currently planned is not expected to require additional land other than the ROW. If, as the Project evolves, resettlement is required, these impacts will be acknowledged in the ESIA but detailed resettlement requirements will be included in a specific RAP which is excluded from the scope of the present assignment.

1.3.10.2 METHODOLOGY

- Desktop review of all available secondary data should be conducted, including census and other statistical reports, ward, constituency, county, and national-level planning documents (e.g., 5 -year plans), peer-reviewed published scientific articles, industry or sector-specific reports, documents provided by KeNHA during the RfP, reports on GBV issues in the project area and so on.
- Analysis of satellite imagery and overlay of project infrastructure, allied with stakeholder engagement efforts, should result in a definition of direct and indirect areas of influence for the Project.
- Satellite imagery will be digitized to show all structures neighbouring the project footprint, which can be verified by ground-truthing. This will allow for an initial assessment of households and structures to be impacted by the Project. Additionally, it will also allow for an initial assessment of likely impacts on local access to be completed.
- Establish statistically representative samples of population at constituency level, which will then be surveyed via a socio-economic household survey. Information gathered from previously completed surveys, notably as part of Preliminary RAP preparation, will be used within the socio-economic environment study that will form part of the ESIA. While the intent of the socio-economic household surveys are to allow for a thorough understanding of baseline conditions, the surveys will focus on topic areas where information is currently lacking, such as land use and the need for pedestrian, vehicle or livestock crossings.
- Gender-disaggregated baseline data will need to be gathered on a statistically representative sample of directly-impacted households neighbouring the Project Footprint, as well as indirectly-impacted communities further away from the footprint but potentially affected by the Project.
- Consult local administration gender specialists and relevant NGO's regarding gender-based violence and sexual exploitation.
- At the outset, a Survey Matrix, identifying appropriate indicators and survey questions for the purposes of the ESIA should be developed and it should be established when and in what forum these should be asked (e.g. household surveys, focus groups etc.). The Survey Matrix should detail all data that will be collected and how this relates to national level indicators as appropriate.
- In addition to basic demographic data (age, sex, family size), social and economic information (ethnicity, health, education, occupation, income sources) should be gathered from among the surveyed people. A particular focus on livelihood strategies is required.
- All baseline data that will be collected will be gender-disaggregated and gender specific where appropriate.
- Survey methodologies should outline how a statistically-significant socio-economic survey will be undertaken, and key data which will be incorporated in household questionnaires.
- Household surveys should be supplemented by additional data gathering efforts, including focus groups (especially with farmers, youth and women). Special efforts should be made to ensure the views of women are incorporated in the ESIA.

- Desktop review of existing available information regarding epidemiological conditions in the study area. The level of detail of this assessment will be determined based on the availability of existing statistics (i.e., national, district, or town level, etc.).
- Conduct consultation with KeNHA to understand existing EHS practice challenges for road construction projects in Kenya. Subject to the provision of reports from KeNHA, conduct a review of EHS reports from a representative sample of road construction projects, with a focus on incidents, accidents, injuries and fatalities.
- Socio-economic baseline studies should incorporate the following (in some case specialist studies will be required, e.g., cultural heritage):
 - Demographic data
 - Education conditions, professional training and capacities
 - Hospitals and other health care facilities
 - Health issues (e.g., epidemics, etc.)
 - Housing and living conditions
 - Workforce statistics
 - Labor and working conditions
 - Transportation and Infrastructure
 - Non-motorized transport
 - Livelihood, employment and income
 - Economic activities (e.g., tourism, industry, commerce, farming/grazing/fishing, etc.)
 - Small businesses and entrepreneurs
 - Land tenure and transactions, property compensation rates
 - GBV, Sexual Exploitation and Harassment
 - People who meet the IFC PS7 criteria
 - Security and human rights
 - Cultural heritage and archeological sites, including traditional/sacred sites.
- An appropriate database should be proposed for the storage and analysis of data, ensuring effective analysis, security and confidentiality.
- Baseline data will be analyzed to define vulnerability criteria and undertake a vulnerability assessment of the impacted households. This will serve as a reference base for weighting and ranking of vulnerabilities to which impacted households are exposed.
- The identification and mitigation of impacts on access to resources will be informed by guidance provided by the Food and Agriculture Organization in its Voluntary Guidelines on the Responsible Governance of Tenure of Land, Forests and Fisheries, and the World Bank Safeguard Policies system.
- Identify aspects of the socio-economic survey findings that would impact the project and refer to the ESMP for related actions, especially project impacts on livelihood strategies of individuals and communities that neighbor the project area (as appropriate).

1.3.11 VULNERABLE AND MARGINALIZED PEOPLES

In Kenya, Indigenous People are referred to as Vulnerable or Marginalized Groups (VMGs). This terminology will be used throughout the remainder of the ToR, and within the ESIA and supporting documentation. The ESIA will also differentiate between VMGs and other vulnerable groups (i.e., widows, households with disabled individuals, etc.) which are commonly discussed in ESIA's and RAPs, and use the appropriate terms as necessary thereafter.

1.3.11.1 OBJECTIVES

The key objectives of the VMG study are to:

- Describe presence of Vulnerable or Marginalized Groups (VMGs) meeting IFC PS7 criteria in the project area of influence, including Masaai, Ogiek and others if relevant.
- Determine if the Project has impacts on lands and natural resources subject to traditional ownership or under customary use by VMGs. If it is the case:
 - Identify and review all property interests and traditional resource uses if land purchases or leases are planned.
 - Assess and document the Affected Communities of Indigenous Peoples' resource use without prejudicing any Indigenous Peoples' land claim. The assessment of land and natural resource use should be gender inclusive and specifically consider women's role in the management and use of these resources.

1.3.11.2 METHODOLOGY

- Conduct activities described in section 1.3.10.2 above for VMGs, when applicable and feasible.
- Conduct consultations with appropriate forums of VMGs.
- Building on the Vulnerable and Marginalized Groups Framework (VMGF) referred to in section 1.1 and soon to be approved by the WB, integrate information collected on VMGs in a specific section of the socioeconomic baseline described in section 1.3.10.2 above.
- Identify aspects of the VMG survey findings that would impact the project and refer to the ESMP for related actions.

1.4 STAKEHOLDER ENGAGEMENT STRATEGY

A detailed ESIA Stakeholder Engagement Plan will be produced to provide a framework for stakeholder engagement the ESIA process. It will need to be aligned with guidance provided by Annex B of the IFC Performance Standard 1 (2012), and associated legislation in Kenya, namely Environmental (Impact Assessment and Audit) Regulations 2003 and its subsequent updates. The Nairobi-Mau Summit Project has a wide variety of stakeholders, people, agencies, and organizations that could be directly or indirectly affected (positively or negatively) by the Project or that could influence the Project (positively or negatively).

Consultations on the project were already undertaken by the Kenya government, KENHA and its consultants during the project preparation process:

- Throughout 2015-2016, and in early 2018 for the RFP-stage ESIA preparation commissioned by the Kenyan government;
- During the preparation of a Preliminary RAP in November and December 2017.

Information gathered from previously completed consultations will be used within the stakeholder engagement plan that will form part of the ESIA. While the intent of the stakeholder engagement are to allow for a thorough consultation of project stakeholders, activities to be conducted will focus on stakeholders and topic areas where information is currently lacking relative to IFC standards requirements.

The objective of the stakeholder engagement strategy will be the informed and meaningful participation of impacted people, of which the results will be used to avoid, minimize and appropriately mitigate and compensate for adverse impacts, enhance positive impacts and ultimately influence the final project design if and as required.

In order to develop an effective stakeholder involvement program, it is necessary to identify the various stakeholder groups, as different outreach methods may be required for different groups. In addition, primary concerns will likely differ between various stakeholder groups. As such, stakeholder identification and mapping will be

performed in the earliest stages of the assignment with dual objectives of feeding preparation of the ESIA stakeholder engagement plan and identifying potential information sources for all relevant aspects of the ESIA baseline studies.

Each round of stakeholder engagement activity required for the ESIA are presented in Table 1-1 below. These are planned according to key stages, or decision moments, throughout the study where the informed participation of stakeholders is likely to make the most significant contribution to the on-going analysis. A detailed public participation plan clearly identifying the stakeholders as well as the proposed methodology of carrying out consultations will be prepared.

The following general observations will apply to each one of these rounds:

- Stakeholders’ representatives will receive information on the proposed date and objectives of the consultation in advance (at least fifteen days before the meetings). Public participation activities will be publicized through adequate communication means, including the local media (and, where appropriate, also in local languages);
- Upon completion of each consultation round, a consultation report will be prepared, integrating a summary of the issues raised by stakeholders and responses from the Proponent, along with the detailed minutes of the meetings. Consultation reports will later be appended to the ESIA report; and,
- Feedback on key consultation outcomes will be provided to participants through verbal, paper or electronic summary versions of the consultation reports.

Table 1-1 Stakeholders engagement activities for the ESIA.

Consultation Objectives	Target Stakeholder Groups	Methods	Timeline
ROUND 1: On general concerns and expectations			
<ul style="list-style-type: none"> – Present up-to-date information about the project (footprint, proposed infrastructures and timelines) and the ESIA processes (objectives and timelines); – Validate and further document the key concerns and expectations of affected communities, women and specific socio-economic groups (such as fishermen and hunters); – Announce and explain up-coming field studies and socio-economic surveys; and, – Present and validate / enhance the proposed public engagement strategies for the development of the ESIA. 	<ul style="list-style-type: none"> – Impacted communities; – Administrative authorities and technical services at provincial, district and county levels; – Directly-concerned ministries and national agencies; and, – Non-Government Organizations and Organizations of Civil Society (OCS). 	<ul style="list-style-type: none"> – Meetings with village-level leaders; – Focus group discussions with representatives of women and specific socio-economic groups; – District and county-level meetings with technical services and administrative authorities; – Meeting with provincial authorities and government services; and, – Individual meetings with central government agencies and NGOs / OCS. 	Prior to development of baseline studies
ROUND 2: On the preliminary identification of impacts and mitigation measures			
<ul style="list-style-type: none"> – Share and validate key findings from baseline studies; and, – Share and validate / enhance the results from a preliminary identification of anticipated impacts and most appropriate options for mitigation, including potential for partnerships. 	<ul style="list-style-type: none"> – Impacted Communities. – Administrative authorities and technical services at provincial, district and county levels; – Directly-concerned ministries and national agencies; and, – NGOs and OCS. 	<ul style="list-style-type: none"> – Meetings with local leaders; – Open assemblies in impacted communities; – Focus group discussions with representatives of women and specific socio-economic groups; – Individual meetings with technical services at central, provincial or district level, as required; and, – NGOs / OCS. 	Early at the impact assessment stage

ROUND 3: On key elements of draft ESIA report (ESIA and ESMP)			
<ul style="list-style-type: none"> – Present, validate and enhance the main results of the ESIA and ESMP with stakeholders; – Ensure compliance of the proposed measures with the requirements of regulatory authorities; and, – Evaluate the social acceptability of the project and proposed measures. 	<ul style="list-style-type: none"> – Affected communities; – Administrative authorities and technical services at provincial, district and county levels; – Directly-concerned ministries and national agencies; and, – NGOs and OCS. 	<ul style="list-style-type: none"> – National workshop with relevant ministries and agencies; – Workshop with national NGOs; – District workshops with decentralized units, local administrations and regional NGOs; – Public assemblies in affected communities; and, – Information repositories and open register (public places). 	<p>Prior to the submission of draft reports to environmental authorities</p>

The outcome of the consultation events outlined above will be summarized in the Stakeholder Engagement chapter of the ESIA described in 1.5.7 of these ToRs. Section 1.5.8 of this ToR outlines the details of the Stakeholder Engagement Plan that will be developed and implemented for project implementation.

1.4.1 VULNERABLE AND MARGINALIZED PEOPLES

The presence of vulnerable and marginalized groups (Maasai and Ogiek) is confirmed in the Study Area; therefore, an adapted engagement process will be undertaken with the affected communities of VMGs as required in IFC Performance Standards 1 and 7. The Stakeholder Engagement Plan will include a section outlining how engagement with VMGs will be carried out. This engagement process shall include stakeholder analysis and engagement planning, disclosure of information, consultation and participation, in a culturally appropriate manner. In addition, this process will:

- Involve VMGs representative bodies and organizations (e.g., councils of elders or village councils), as well as members of the Affected Communities of Indigenous Peoples (Maasai and Ogiek);
- Provide sufficient time for Indigenous Peoples’ decision-making processes.

The consultant shall strive to obtain the affected communities of VMGs’ Free, Prior and Informed Consent (FPIC) on the project design. FPIC will be established through good faith negotiation with the Affected Communities of VMGs. The Consultant will document: (i) the mutually accepted process between the Consortium and Affected Communities of VMGs, and (ii) evidence of agreement between the parties as the outcome of the negotiations. Copies of these documents will be available in preferred language of these groups.

1.5 ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT REPORT

The ESIA will be prepared in accordance with national legislation, particularly the Environmental (Impact Assessment and Audit) Regulations 2003 and its subsequent updates, NEMA’s EIA Guidelines, as well as IFC’s Performance Standards (2012) and WB/IFC Environmental Health and Safety (EHS) Guidelines. The main components of the Main Project ESIA are outlined below. Contents of other ESIA reports that may be required by NEMA (see section 1.2 above) may vary according to their relevance for the component under study and NEMA requirements.

1.5.1 EXECUTIVE SUMMARY

This section should concisely summarize key findings and recommended actions.

1.5.2 PROJECT DESCRIPTION AND MOTIVATION

The information to be integrated inside the project description will be provided by the Consortium team. This information will include the location and characteristics of the various infrastructures, sketches, plans and the installation estimates, diagrams and flows, blasting and quarrying activities, the nature and quantities of the project's inputs and outputs, waste management, etc., both during the operation and construction phases.

All related infrastructures and equipment will be identified, located and detailed by the Consortium (i.e. new access roads, workers camps, quarries and borrow pits, drinking water supply, electricity supply, etc.). A summary of the status of the A8 and A8 South highways and a description of the volume of traffic on these roads will be provided. Finally, all additional project details such as the project schedule, construction methodology, operational and work schedules, estimated workforce, etc., will also have to be provided by the Consortium.

The ESIA consultants should contribute to the project design, mainly for the associated infrastructures, from the elaboration of recommendations on sensitive environmental and social components of the project area that should be avoided.

1.5.3 LEGAL, REGULATORY AND INSTITUTIONAL FRAMEWORK

Legal, regulatory and institutional framework that applies to the project and related works will be described and analyzed to establish the requirements that the project must meet. These requirements are factors that must be considered in environmental and social impact studies considering the influence they can have on the elements of the environment to be protected, on project acceptability, on schedule targets for the environmental approvals, etc.

Thus, applicable environmental and social policies, including provisions of the Kenyan Constitution, NEMA Guidelines, IFC performance standards and EHS guidelines, legal requirements of Kenya and the relevant international conventions on environmental and social issues, for which Kenya is a signatory, will be described. Regulations and standards governing the quality of the environment, energy, health, security, wildlife management, land use, etc. will be described and analyzed.

The main national and international institutional actors in the areas of environment and transports will be presented.

The roles and responsibilities of the key players, including the Concessionaire, KenHA, the Ministry of Transport, and lenders will be described.

The legal, regulatory and institutional framework will also provide a gap analysis, which should investigate where gaps exist between domestic requirements and international standards and requirements.

1.5.4 ENVIRONMENTAL AND SOCIAL BASELINE CONDITIONS

The description of the E&S baseline conditions will be mainly focused on a study area covering the area of influence. The delineation of the study area will be described. The baseline conditions of the physical, biological and human components will integrate all the results from the baseline studies undertaken in the scope of the project's full ESIA and will provide a description of:

- Climate and meteorology
- Air quality
- Noise and vibration

- Seismicity
- Topography
- Soils and sediments
- Water resources and water quality
- Geology, geomorphology
- Biodiversity and ecology
- Ecosystem Services
- Socio-economic context (including aspects described in 1.3.10 and 1.3.11 above, among others health, GBV, Sexual Exploitation and Harassment, and gender aspects as well as indigenous VMGs and vulnerable groups)
- Land use
- Archaeology and cultural heritage
- Landscape

The covered aspects and level of detail will comply with the national and international requirements and will be illustrated accordingly with maps.

1.5.5 IMPACT ASSESSMENT

The identification of the direct and indirect, positive and negative, trans-regional, social and economic, and physical/ecological impacts will be established by considering, within an “environmental matrix”, on one hand the potential sources of impacts tied to the project road construction and operation, including those arising from an increase in road traffic, and on the other hand, the biophysical and human components of the project. This will be conducted using the following information:

- Technical characteristics of the Project
- Environmental and socio-economic baseline data
- Lessons learned from similar projects
- Scientific literature

Following the identification of the potential and significant interactions, the positive and negative environmental and social impacts and associated management measures for each phase of the Project will be presented. For environmental or social impacts that cannot be addressed, or do not need to be addressed, this should be clearly stated, and justification provided. Impacts will be assessed qualitatively and when possible quantitatively. Only residual impacts following the implementation of mitigation measures will be discussed according to the following criteria.

The magnitude of the impact will be determined by an overall assessment of how one or several impact sources affect an environmental receptor. The evaluation considers measures taken to optimize the Project and determines the magnitude of impact persistence after management measures have been implemented. The magnitude of the impact reflects the intensity of the impact, its extent, and its duration. Impact magnitude is ranked as major, moderate, or minor (see Table 1-2).

Table 1-2 Impact Magnitude Matrix

Analysis criteria			Magnitude
Intensity	Extent	Duration	
High	Regional	Long-term	Major
		Medium-term	Major
		Short-term	Major
	Local	Long-term	Major

	Limited	Medium-term	Major
		Short-term	Moderate
		Long-term	Major
		Medium-term	Moderate
Medium	Regional	Short-term	Moderate
		Long-term	Major
		Medium-term	Moderate
	Local	Short-term	Moderate
		Long-term	Moderate
		Medium-term	Moderate
	Limited	Short-term	Moderate
		Long-term	Moderate
		Medium-term	Moderate
Low	Regional	Short-term	Minor
		Medium-term	Moderate
		Long-term	Moderate
	Local	Short-term	Minor
		Medium-term	Minor
		Long-term	Moderate
	Limited	Short-term	Minor
		Medium-term	Minor
		Long-term	Minor

INTENSITY

The intensity of the impact on environmental and human receptors indicates the degree to which the assessed receptor is disturbed. The analysis shall consider the receptor's properties, sensitivity, and capacity to accommodate to changes, as well as its estimated value. Impact intensity is divided into three levels:

- **High:** the impact damages the concerned receptor permanently, jeopardizes significantly its integrity, or changes substantially or irreversibly its environmental distribution or role
- **Medium:** the impact alters the receptor's quality, and its environmental distribution or role, without damaging its integrity
- **Low:** the impact slightly alters the concerned receptor without changing substantially its quality, and environmental distribution or role

EXTENT

The extent of the impact refers to the range of the modified natural and human environments. The extent is a function of the project footprint, area of influence or portion of the population affected by the proposed Project. It could be regional, local or limited to the study area:

- **Regional:** the impact has regional effects (or an area wider than the study area) or the majority of the population in affected districts or province
- **Local:** the impact affects mainly the direct area of influence or bordering population groups
- **Limited:** the impact affects only a limited area or some individuals in the direct area of influence

DURATION

The duration of the impact refers to the period of time during which the effects of the Project will be felt in the environment. This parameter reflects the intermittent nature of the impact. An impact could be long-term, medium-term, or short-term:

- **Long-term:** the impact is felt continuously or intermittently throughout the Project's lifetime. The impact is often permanent or irreversible
- **Medium-term:** the impact is felt temporarily, continuously or intermittently, during the construction stage

- **Short term:** the impact is felt temporarily, continuously or intermittently, for a limited period of time during the Project's construction or closure stages

Impact analysis will be supported by cartographic analysis. For some impacts on physical components, such as noise, vibration and air quality, the consultant should use impact modeling. While providing valuable information for a more accurate impact assessment of the component, it will also serve as input for impact assessment on components associated to the human environment. Impact on vulnerable groups will be based on a specific methodology allowing the weighting and ranking of vulnerabilities. Stakeholder engagement activities will help to identify and confirm impact assessments on given components representing issues for affected communities.

MANAGEMENT MEASURES

Management measures (avoidance, mitigation, compensation and enhancement) will be identified to ensure environmental and social acceptability for the project. Similar to the impact assessment, management measures related to issues identified by involved stakeholders will be discussed during engagement activities and acceptable measures will be proposed. The proposed management measures will include gender-specific measures and women focus groups will be targeted during stakeholder engagement. The Consortium team will also provide input to the design of mitigation measures as required. All the proposed measures will cover short, medium and long-term considerations. They will be summarized in a table to illustrate the project issues as well as the residual impacts.

SOCIAL ACCEPTABILITY

Following disclosure, the ESIA will be updated to include a measure of social acceptability of residual impacts. Residual impacts that result in the greatest number of queries or strongest opposition will be identified as lower social acceptability.

CUMULATIVE IMPACT ASSESSMENT

The Project's cumulative impact assessment will help consider its possible interactions with other activities and projects, which might affect the environmental and social components. This will be a combined evaluation of the project impacts together with those of other projects that have occurred in the past in the sector, of existing projects or of projects that are currently planned in the area and its surroundings. This aspect is particularly relevant for transport-related components as the Nairobi-Mau Summit project will be part of a network of transport infrastructures. Specific consultations with constituency and county level authorities may be needed to identify projects susceptible to generate cumulative impacts and reach a better understanding of their individual associated environmental and social impacts.

This assessment excludes quantified assessments of cumulative project impacts on lakes Naivasha, Elementeita and Nakuru and determination of the lakes' tipping points.

1.5.6 ANALYSIS OF PROJECT ALTERNATIVES

The objective of the alternatives analysis will be to define the merits and demerits of realistic alternatives, thereby providing decision makers and the public with a clear basis for decisions made between options.

The consultant will focus on alternatives to project design that were examined while developing the proposed project (during the feasibility study). Alternative transport solutions which would achieve the same objective (ex. rail) will be identified and summarized, but more detailed assessment those solutions is excluded from the ESIA, which will focus on analysis of alternatives to the project design.

The ESIA Consultant shall present relevant information as a description of all project components, including the design alternatives, selection process and assessment criteria, the advantages of the selected technology and/or site, the drawbacks and disadvantages of the rejected technology and/or site. The Consultant will systematically compare feasible alternatives to the proposed project site, technology, design, and operation--including the "without project" situation--in terms of their potential environmental and social impacts; the feasibility of mitigating these impacts; their capital and recurrent costs; and their suitability under local conditions. For each of the alternatives, the analysis

shall quantify the environmental and social impacts and benefits to the extent possible, and attach economic values, where feasible.

Additional considerations provided by the Consortium on the technical, financial, economic and market studies will also be integrated in the project justification.

1.5.7 STAKEHOLDER ENGAGEMENT

Results of the stakeholder consultations that will take place as part of the ESIA and as described in section 1.4 of these ToRs shall be summarized in this chapter. Stakeholder consultation reports produced after each consultation round shall be appended to the report. The SEP will also indicate how issues, concerns and aspirations identified during stakeholder consultations have been addressed in the ESMP or otherwise.

1.5.8 ENVIRONMENTAL AND SOCIAL MANAGEMENT SYSTEM

To comply with IFC's Performance Standards and WB/IFC General and sector EHS Guidelines, a complete Environmental and Social Monitoring System (ESMS) will be prepared. The ESMS is prepared to ensure that mitigation and development measures are implemented; to verify their effectiveness; to report if they have been modified, interrupted or replaced, if the expected results are satisfactory; and to detect and address unforeseen consequences. The ESMS and associated management plans cover all project implementation phases. The ESMS will also permit measuring compliance to national policies, national environmental and social requirements, as well as IFC's Performance Standards (2012) and EHS Guidelines.

In the ESMS, it is currently proposed to develop the following plans. However, other plans may be identified and required over the course of the ESIA process.

- Construction Management Plan, including notably environmental and social management measures to be applied during construction phase, in-water works procedures, waste management, labour management and health and safety aspects. The Construction Management Plan shall also include a recommendation for the rehabilitation or restoration of ancillary sites if they are to be abandoned after the construction phase. In the event where such facilities are to be built outside the KeNHA wayleave, this requirement will need to be part of the contract agreement between the concessionaire and the concerned community or land owners. Additional proposed key components of the Construction Management Plan, including the Code of Conduct for Workers at the Workplace minimum requirements are outlined in Appendix A-1. The Construction Management Plan will also avoid unnecessary duplication of information from the management plans listed below.
- Traffic management plan that will detail traffic, parking, and pedestrian management techniques to mitigate anticipated negative impacts. The traffic management plan will include among others road safety during operation of the road, safety aspects amongst drivers, preventive maintenance of contractor vehicles, meaningful road accident awareness at all roadside schools and communities, and coordination with emergency responders to ensure that appropriate first aid is provided to all affected persons in the event of accidents.
- Pollution Prevention Management Plan (petroleum products and fuels, noise, dust and air pollutants, GHG emissions, etc.): The purpose of this plan is to compile every design element as well as management measure that were considered during project implementation to reduce pollution.
- Waste Management Plan: The Waste Management Plan aims to provide guidelines for all project phases on waste reduction, segregation, collection and disposal practices in accordance with international best practices, to avoid deterioration of the natural environment and negative impacts on the health and safety of communities. It shall cover both hazardous and non-hazardous wastes.
- Contaminated Soils and Sediments Plan: This plan aims to provide guidelines for construction and operation phases on management of contaminated soils and sediments in accordance with international best practices, in order to address soil contamination issues and minimize negative impacts on the natural environment and communities.

- **Water Management Plan:** The purpose of the Water Management Plan is to consolidate all the measures that will be implemented to monitor and mitigate any of the Project’s activities that could have an impact on surface and groundwater as well as sediments within the project’s area during all project phases.
- **Biodiversity Management Plan:** The Biodiversity Management Plan aims to make sure the management measures related to biodiversity are clearly defined in the ESMS and are well implemented during all project phases to meet objectives and targets associated to biodiversity protection. If the project will result in impacts on a critical habitat, a Biodiversity Action Plan (BAP) will be developed which will integrate all biodiversity-related commitments and mitigation, management and monitoring actions as well as specific management and offset strategies for critical habitats.
- **Erosion control and Re-vegetation Management Plan:** The objective of this plan is to provide a strategy to avoid, control and monitor erosion phenomena and propose an integrated approach for re-vegetation activities. The plan will require that damaged areas be revegetated on completion of the works using, as much as possible, local species for replanting, and for areas that cannot be revegetated, scarifying the work area to a condition that will facilitate natural revegetation, provide for proper drainage, and prevent erosion.
- **Integrated Pest Management Plan:** The purpose of the Pest Management Plan is to integrate coordinated use of pest and environmental information along with available pest control methods, including cultural practices, biological, genetic, and, as a last resort, chemical means to prevent economically significant pest damage.
- **Cultural Heritage Management Plan:** The purpose of the Cultural Heritage Management Plan is to ensure that project activities are managed properly to limit irreversible damages to archeological or cultural heritage resources, including graves, shrines, circumcision sites, etc. It will clearly define how sites of importance will be identified and treated by the Project during construction and operation, and outline procedures in the event of chance finds. It will include measures for consultation on all issues related to archeological and cultural heritage and be translated in the national language.
- **Indigenous Peoples Management Plan:** in the event where the project falls into traditional territories of one or more indigenous people, the IPMP will aim to minimize, restore, and/or compensate for impacts on ecosystem services in a culturally appropriate manner. The plan will be translated into accessible language(s) for their beneficiaries.
- **Gender Mainstreaming Plan:** The Gender Mainstreaming Plan will support the gender strategy into the decision-making of the Project proponent, according to national requirements and best practices. It will allow to raise the awareness among relevant stakeholders and to engage in advocacy to ensure that gender issues are identified and addressed. It will include the creation of partnership with gender-sensitive NGOs and local organizations to properly address gender aspects during Project implementation, to help ensure participation of women and provide required knowledge for the Project. This plan will be translated in the national language.
- **Gender-Based Violence Management Plan:** The Gender-Based Violence (GBV) Management Plan will provide a framework for prevention of GBV during the project implementation through the identification of risks and vulnerabilities, design of prevention interventions to reduce risks and vulnerabilities, as well as response procedures when GBV cases are discovered involving project staff. The management of related issues of sexual exploitation and abuse prevention, response and management, including enforcement of Codes of Conduct for project workers (see Appendix A-1), as well as child protection plans to prevent sexual exploitation of underage girls and boys, and teen pregnancies will be included in this plan. This plan will be translated in the national language.
- **ESHS Training Plan:** It will frame all needed capability building activities for all involved stakeholders in ESMS implementation during all project phases. It will lead to stakeholders' enhanced understanding of their responsibilities and individual implications regarding environmental and social management. The ESHS Training Plan will indicate among others that workers and contractors, as well as service providers and subcontracted labour, must receive adequate ESHS training prior to commencement of new assignments, to understand work hazards and to protect their health from hazardous ambient factors. It will also specify that mandatory ESHS training will be ensured through appropriate contract specifications and monitoring, and that the Concessionaire will maintain records of all ESHS training. The ESHS Training Plan will include a component on the Code of Conduct for Workers at the Workplace (see Appendix A-1 for the minimum core requirements for the Code of Conduct for Workers at the Workplace).

- **Influx Management Plan:** The Population Influx Management Plan frames the requirements in terms of land control, ownership and planning and the measures to work with authorities to define the Project in the regional and local plans. It also aims to mitigate adverse impacts of population influx on project operations and on local communities during all project phases. It will explore opportunities to share land uses with other users where appropriate from an environmental and health and safety perspective. It will also cover labour influx factors such as management of workers camps and relationships between project workers and the neighboring communities including prevention of child labor (the World Bank’s Guidance Notes on Labor Influx would be useful sources of information on this factor). The Influx Management plan will also include requirements for a substance abuse prevention and management programs, measures to avoid hiring at the gate, and specify requirements for workers’ camps and associated facilities to be connected to a septic tank or other wastewater system that is appropriate and of sufficient capacity for the number of workers and local conditions.
- **Employment and Procurement Management Plan:** The Employment and Procurement Management Plan describes the methods, measures and procedures to achieve compliance with Kenyan and international labour and procurement requirements (notably International Labour Organization standards) and ensure that recruitment, employment, training and procurement aspects are carried out in a fair and transparent manner, consistent with good international industry practices. It will also assist the Project in maximizing local employment and procurement. A Grievance Mechanism for workers that meets the principles in Annex D of the Guidance Note for Performance Standard 2 must be part of this plan which must be translated in the national language.
- **Community, Health, Safety and Security Management Plan:** It aims to avoid or minimize health, safety, and security impacts directly and indirectly caused by the Nairobi-Mau Summit road implementation. It establishes effective mechanisms and procedures for protecting local communities, with specific attention to vulnerable groups, in the project area of influence, both from direct and indirect project-related hazards, risks and impacts during all project phases. A Grievance Mechanism for the community that meets the principles in Annex D of the Guidance Note for Performance Standard 2 must be part of this plan and accessible to community members in the national language. This plan will be translated in the national language.
- **Workers Health, Safety and Security Management Plan:** The plan provides clear direction on health, safety and security management, to ensure compliance with national and international standards and to provide the basis for driving improvements. The plan addresses the management of WHSS across all aspects of the project implementation and associated activities, including workers task, accommodation, lavatories, showers, potable water supply, clean eating areas, personal protective equipment, noise, first aid and accidents, and the mitigation and prevention of communicable diseases and vector borne diseases. It applies to all workers including the Consortium and subcontractors’ employees. This plan will be translated in the national language.
- **Community Development Plan:** It will describe the Project approach to community development, and its roles and responsibilities. A methodology for assessment of community development needs, including specific assessment for vulnerable groups, and identification of potential partners in project development and delivery will be proposed. It will investigate how community development plans will be integrated with livelihood restoration measures and wider local and regional development as well as potential shared value in community development initiatives creating potential ‘win-wins’ for the project. This plan will be translated in the national language.
- **Emergency Preparedness and Response Plan:** This plan will propose the frame for the handling of crisis situations. It will include provisions for assessing the potential for accidents and emergencies, preventing incidents and their associated environmental impacts, responding to incidents (emergency plans and procedures), testing of emergency plans and procedures periodically and mitigating impacts associated with accidents and emergencies. It will also include procedures for interacting with government authorities (emergency, health, environmental authorities) and permanently stationed emergency equipment and facilities (e.g., first aid stations, firefighting equipment, spill response equipment, personal protection equipment for the emergency response teams).
- **Stakeholder Engagement Plan:** This document provides a framework for stakeholder engagement efforts throughout the upcoming phases of the Nairobi-Nakuru-Mau Summit Highway Project’s implementation. The SEP should be seen as a ‘living document’ which will be updated as the project progresses, reflecting the various stages of the Project. It will notably comprise the grievance mechanism for workers and community

members, as well as special consultation mechanisms for VMGs. This plan will be translated in the national language.

- An Environmental and Social Performance Monitoring Plan will be proposed including all needed monitoring activities planned to ensure a proper implementation of the ESMS. The Environmental and Social Performance Monitoring Plan provides an outline to ensure environmental and social compliance during all project phases, tracks environmental and social performance, and provides an analysis framework to implement corrective actions as needed. Appendix A-2 provides examples of the environmental and social issues that will be monitored as part of the Environmental and Social Performance Monitoring Plan.
- An Environmental and Social Staffing Plan will be proposed for the construction and operation of the road It will list the minimum E&S staff required during those two phases and include qualification criteria for key personnel.

A specific section of the ESMS will provide details about various actors involved in the ESMS implementation and will clearly state their associated responsibilities.

1.6 ESIA TEAM

The ESIA and related management plans, including the SEP, will require the participation of a team of specialists, including highly specialized experts, in the relevant physical, biological, and socio-economic disciplines. The use of such highly specialized personnel will be required for the development of the baseline studies and other specialist studies outlined in the ToR of the ESIA.

The overall coordination of the studies conducted in support of the ESIA, as well as the preparation or compilation of impact assessment chapters and management plans will be the responsibility of an ESIA project manager. The ESIA project manager will be ultimately responsible for the successful planning and execution of field programs, the completion of all baseline and specialist studies, the integration of information across disciplines, and the completion of discipline-specific impact assessments under a common impact assessment methodology or approach.

Public and other stakeholder consultations, and the development of related consultation plans and reports, will be the responsibility of the public/stakeholder consultation lead and will be implemented by a public/stakeholder consultation coordinator in collaboration with the project manager and other coordinators/discipline leads – with participation from discipline specialists as resource persons in public meetings or focus groups as needed. The public/stakeholder consultation coordinator will also be involved in various aspects relating to the ESIA team’s interface with communities in the Project area.

In accordance with the Environmental (Impact Assessment and Audit) Regulations, the ESIA reports will be submitted by a consultant duly registered with NEMA. For work in some of the disciplines, it may be necessary to hire specialists with the relevant professional accreditations and permits.

The table below presents a list of key discipline specialists required for the ESIA. These specialists shall typically have, as a minimum, academic qualifications at the Master’s (M.Sc., M.A.) level and several years of experience in comparable ESIA projects. It can be assumed that each of the identified specialists will require support from field assistants (typically, professionals with B.Sc./B.A. qualifications and/or supervised students) to conduct various data collection tasks related to the baseline studies and/or public consultations. Other specialized scientific/technical personnel may be identified at a later stage and engaged by the ESIA team for specific tasks.

Table 1-3 Key Personnel of the ESIA Team

Role	Areas of Activity	Academic Qualifications
ESIA and ESMP Coordination		
ESIA and ESMP Project Manager	General Coordination of ESIA	M.Sc., M.E.S., or M. Eng.
ESIA Discipline experts – Physical and Biological Environment		
Air quality and GHG specialist	Air quality and GHG studies, modelling and assessment	Ing., M.Sc. or Ph.D.
Ambient noise and vibration specialist	Ambient noise and vibration lead.	Ing., M.Sc. or Ph.D.
Soils specialist	Soil studies	M.Sc. or Ph.D.
Water quality and sediment specialist	Surface water and sediments assessment	M.Sc. or Ph.D.
Biodiversity and ecosystem services Lead	Biodiversity baseline studies and assessment	M.Sc. or Ph.D.
Wildlife specialist	Wildlife baseline studies and assessment	M.Sc. or Ph.D.
ESIA Discipline experts – Human Environment		
Socio-Economic Lead (including GBV, sexual exploitation and abuse, and sexual harassment)	Socio-economic baseline study and assessment, including GBV, sexual exploitation and abuse, and sexual harassment	M.A., M.Sc., or Ph.D.

Health, Safety and Security Specialist	Inputs into health aspects of the socio-economic baseline study, assessment and management plans	B.Sc., M.A. or M.Sc.
Public/Stakeholder Consultation specialist	Public/Stakeholder consultations and reporting	M.A., M.Ed., M.Sc., or Ph.D.
Supporting staff		
Community Liaison Officer	On the ground coordination of community consultation	B.Sc.
GIS/Cartography Specialist	Preparation of thematic maps, analysis of areal images	B.Sc., M.A., or M.Sc.

1.7 ASSIGNMENT SCHEDULE

Total estimated length of the assignment is 12 months and approximate timing is presuming an assignment start by 1st February 2020.

Table 1-4 Project Schedule

Activity	Year 1 (Months)											
	1	2	3	4	5	6	7	8	9	10	11	12
Project Inception	■											
Desktop research	■	■										
Stakeholder consultations			■					■			■	
Socioeconomic baseline			■	■								
Physical environment baseline						■		■				
Biodiversity baseline						■		■			■	
Data compiling, treatment and analysis					■		■		■			
Impact assessment & mitigation						■		■		■		
ESMS elaboration							■		■		■	
Drafting of deliverables												■

A-1 CONSTRUCTION MANAGEMENT PLAN KEY COMPONENTS

The Construction Management Plan will be developed to include the following key components/requirements:

- Labour and equipment transportation requirements, specifically that they will be transported within the right of way and over routes provided for access to the work in a manner to avoid as much as possible damage to grazing land, crops, and property.
- Protection of trees and vegetation and vegetation during construction, except where clearing is required for permanent works, approved construction roads, or excavation operations;
- Process for locating worker camps, including consultations and negotiations with local stakeholders before proposing a location for its camps.
- Decommissioning of the construction sites, including the following measures:
 - Clearing construction sites of any equipment or waste, and ensuring that the sites are free from contamination.
 - Disposing or recycling any equipment or waste in an appropriate and environmentally sound manner.
 - Handing construction sites over to the original owners, taking into account his/her wishes and national legislation.
 - Specifying handback requirements.
- Management of borrow pits, including rules for their siting, their management, and their closure.
- **Code of Conduct for project workers at the work place** that will include at minimum the following core requirements:
 1. carrying out his/her duties competently and diligently;
 2. complying with this Code of Conduct and all applicable laws, regulations and other requirements, including requirements to protect the health, safety and well-being of other Contractor's Personnel and any other person;
 3. maintaining a safe working environment including by:
 - a. ensuring that workplaces, machinery, equipment and processes under each person's control are safe and without risk to health;
 - b. wearing required personal protective equipment;
 4. using appropriate measures relating to chemical, physical and biological substances and agents; and
 5. following applicable emergency operating procedures.
 6. reporting work situations that he/she believes are not safe or healthy and remove himself/herself from a work situation which he/she reasonably believes presents an imminent and serious danger to his/her life or health;

7. treating other people with respect, and not discriminate against specific groups such as women, people with disabilities, migrant workers or children;
8. not engaging in any form of sexual harassment at the work place including unwelcome sexual advances, requests for sexual favors, and other unwanted verbal or physical conduct of a sexual nature with other Contractor's or Employer's Personnel;
9. not engaging in Sexual Exploitation, which means any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another. Sexual exploitation occurs when access to or benefit from Goods, Works, Consulting or Non-consulting services is used to extract sexual gain;
10. not engaging in Sexual Assault, which means sexual activity with another person who does not consent. It is a violation of bodily integrity and sexual autonomy and is broader than narrower conceptions of "rape", especially because (a) it may be committed by other means than force or violence, and (b) it does not necessarily entail penetration.
11. not engaging in any form of sexual activity with individuals under the age of 18, except in case of pre-existing marriage;
12. completing relevant training courses that will be provided related to the environmental and social aspects of the Contract, including on health and safety matters, and Sexual Exploitation and Assault (SEA);
13. reporting violations of this Code of Conduct
14. not retaliating against any person who reports violations of this Code of Conduct, whether to us or the Employer, or who makes use of the Project Grievance Mechanism.
15. require all employees and the employees of subcontractors to sign the Code of Conduct
16. proactively address any breach to the code of conduct

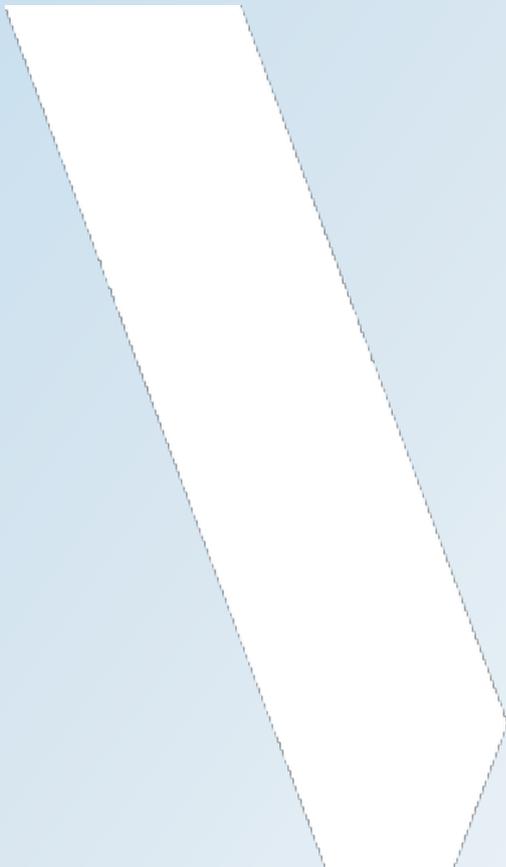
A-2 MONITORING AND REPORTING REQUIREMENTS

The **Environmental and Social Monitoring Plan** will keep records and reports on the following issues among others:

1. Availability of key E&S Personnel.
2. Safety
3. Environmental incidents and near misses:
4. Traffic accidents (project vehicles and non-project vehicles)
5. Status of permits and agreements: areas/facilities with permits required (quarries, asphalt & batch plants), areas with landowner agreements required (borrow and spoil areas, camp sites).
6. Major works
7. noncompliance incidents with permits and national law (legal noncompliance), project commitments, or other E&S requirements.
8. E&S inspections and audits, and follow up
9. Workers
10. Accommodations
11. E&S Training (including HIV/AIDS, SEA and Sexual Harassment, and training in communities)
12. Footprint management
13. External stakeholder engagement
14. Details of any security risks
15. Worker grievances
16. External stakeholder grievances:
17. Major changes to Project Company's environmental and social practices.
18. Deficiency and performance management

APPENDIX

5-1 *FIELD SURVEY PROTOCOLS*



1 AIR QUALITY SAMPLING/MONITORING PROTOCOL

Based on current knowledge of the project, WSP proposes the following sampling protocol. The general strategy will be to deploy three sampling stations near the road. Instruments capable of monitoring the parameters listed below will be deployed at each sampling station during the dry season.

2 PARAMETERS

The following air quality parameters will be monitored at stations deployed around the projected A8 highway.

- Concentration in ambient air of breathable particles PM₁₀;
- Concentration in ambient air of Fine particles PM_{2.5};
- Concentration in ambient air of NO₂;
- Concentration in ambient air of SO₂;
- Concentration in ambient air of VOCs;
- Concentration in ambient air of O₃;

2.1 AIR QUALITY SAMPLING METHODS

The sampling methods proposed by WSP require laboratory analysis: weighting of sampling filters and chemical analysis of passive adsorption cartridges.

Particulate matter ambient air concentration

The concentration of total suspended particles (TSP), breathable particles (PM₁₀) and fine particles (PM_{2.5}) will be determined by gravimetric analysis of the dust collected on filters through which a determined volume of air will be pumped.

Micro-volume air samplers of type Ecotech MicroVol 1100 or equivalent will be operated to collect suspended particle on a pre-weighted 47 mm sampling filter. The equipment is composed of a selective collection head to sample only particles with diameter of 10 microns or less (breathable particles, PM₁₀) or only particles with diameter of 2,5 microns or less (fine particles, PM_{2.5}).

Duration of sampling shall be 24hrs.

Each 47 mm filter will be sent to an accredited laboratory to determine the weight of sampled particulate matters.

These equipments can operate on an autonomous system using batteries and solar panels.

Because of filter travel time to the laboratory and laboratory procedures required, the delay between the date of sampling and the date of reporting can be several weeks.

NO₂, SO₂ and O₃

The concentrations of the gases NO₂, SO₂ and O₃ in ambient air will be determined by passive sampling.

Passive adsorption sampling tubes will be supplied by the chosen laboratory. The resin tubes will be deployed at the identified sampling points on protective supporting casing and recovered by the technician after the defined sampling period. The sampling period will be 4 weeks to obtain adequate detection limit by the laboratory. The sampling must be long enough to guarantee that the analytical detection limit is lower than the applicable air quality criteria for the pollutants.

air quality criteria for Kenya:

- SO₂ (annual average) : 60/15 µg/m³
- NO₂ (annual average) : 60/15 µg/m³
- O₃ (8 hours) : 120 µg/m³

Source: <https://www.ifc.org/wps/wcm/connect/4e01e089-ad1a-4986-b955-e19e1f305ff0/1-1%2BAir%2BEmissions%2Band%2BAmbient%2BAir%2BQuality.pdf?MOD=AJPERES&CVID=Is0KF2J>

The detection limits achievable with a 4 weeks sampling are:

- SO₂ : 2 µg/m³
- NO₂ : 1,5 µg/m³
- O₃ : 10 µg/m³

The tubes will then be sent back to the laboratory for analysis. Meteorological data of conditions during the sampling period provided to the laboratory as needed for the calculations of the gas concentrations.

VOCs

Total VOCs will be sampled on adsorption tubes. The tubes will then be sent back to the laboratory for analysis.

2.2 AMBIENT AIR MONITORING STATION POINTS

Three sampling points will be identified in receptors located in key sectors of the path of the road to characterize the air quality in rural and urban areas.

2.2.1 SAMPLING SITE OVERALL SELECTION

The following zones are selected on a macro level to allow sampling technicians some latitude to select an appropriate sampling stations after field review of the selected zone according to the criteria listed in the next section of this protocol. The precise sampling stations will be noted and photos will be taken of the site as well as a panorama around the site. The sampling stations will be selected to be within 50 meters or less of the existing road.

The following zones are to be used

- A1 : Nakuru-Nairobi road (A104) at Ngarariga between the Kiambu and C66 road;
- A2 : Old Nairobi road (A104) at Nakuru East between C83 and Nyeri Nyahururu road;
- A3 : Nairobi road (A104) at Sobea;

Figure 1 Proposed zone for air sampling point A1

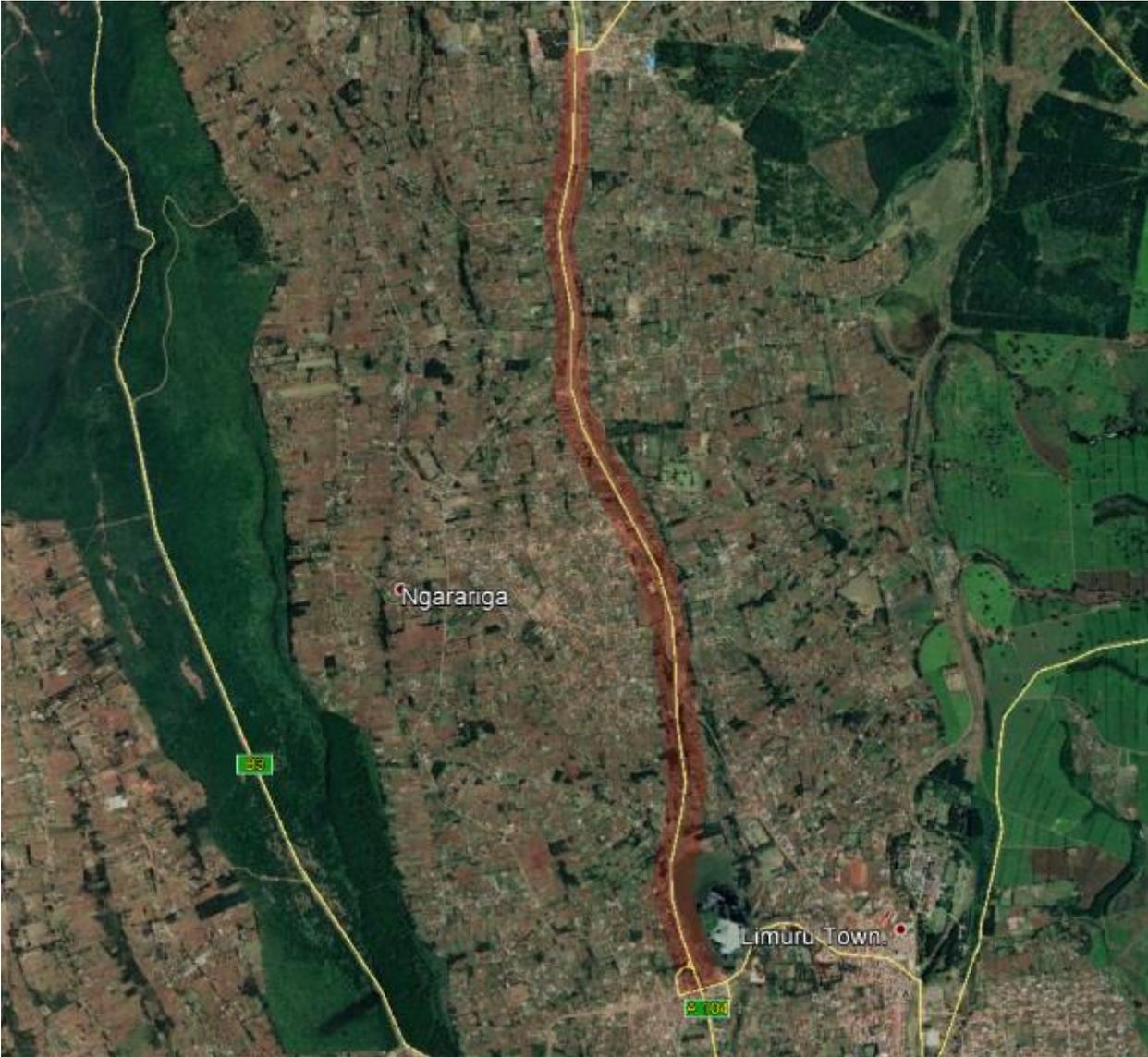


Figure 2 Proposed zone for air sampling point A2



Figure 3 Proposed zone for air sampling point A3



2.2.2 SPECIFIC SAMPLING POINT SITE SELECTION

As indicated in the previous section, the specific sampling point will be determined and documented in the field at the moment of the deployment of the instruments. Several criteria will be considered:

- Open area, away from any vertical obstacle by a horizontal distance of at least the height of this obstacle;
- Away from industrial or commercial emission sources or from combustion system;
- Place considered typical of the region to characterize;
- Technical, safety and security considerations;
- Fenced locations with available electrical energy will be preferred.

Instrumentation will be deployed at the selected point to sample the air at typical nose height.

2.3 SAMPLING PERIOD

The sampling effort to determine the baseline air quality will be performed during the 3 months of the long dry season. This corresponds to the worst-case situation of air quality when the dry weather typically allows for the greater emission of dust from the ground.

The sampling period and frequencies for monitoring will be used in the air quality monitoring will be instrument-specific:

- Total suspended particles, breathable particles and fines particles will be sampled 5 times, each sample covering a period of 24 hours, as per prescribed by the good-practice and the American Environmental Protection Agency (EPA).
- Passive gas sampling will be sampled once per sampling point, using an exposure duration of 4 weeks to guaranty a detection limit lower than the applicable standard, per gas. The sampling cartridges will then be returned to the laboratory for analysis.

2.4 QUALITY CONTROL

2.4.1 PARTICLES

A sampling form will be used to record the operating parameters of the particle sampling:

- Sample ID
- Flow
- Flow calibration information, as per equipment used
- Starting time/date
- End time/date
- Filter ID and initial weight
- Technician name
- Instrument ID
- Notes and observation of local condition, pre-test and post-test

2.4.2 GAS SAMPLING

A lab supplied sampling form will be used to record the operating parameters of the gas sampling:

- Sample ID
- Starting time/date
- End time/date
- Cartridge laboratory ID
- Technician name
- Notes and observations of local condition, pre-test and post-test

2.4.3 BLANKS

A total of 2 adsorption gas cartridges of each gas will be returned to the laboratory as field blanks for analysis. These cartridges will be carried to the sampling site, taken out of their casing and returned in their casing without having been used or deployed. Their ID will be based on the generic one presented in the previous section, with “blnk” replacing the site prefix.



TECHNICAL NOTE

CLIENT:	Meridiam S.A.S., VINCI Construction S.A.S., VINCI Concessions S.A.S.		
PROJECT:	Nairobi-Nakuru-Mau Summit Highway Project	WSP Ref.:	201-10312-00
SUBJECT:	Sound Measurement Protocol	DATE:	January 25, 2021
RECIPIENT:	Norken		

1 SAMPLING

The mandate consists in carrying out a continuous sound survey, in ten areas, for at least 24 hours, with audio recording and a 1-hour traffic count.

The instruments must be class 1 integrating sound level meters in compliance with the ANSI S1.43-1997 (R2007) “Specification for Integrating-Averaging Sound Level Meter” standard (e.g., Larson Davis model LxT). Sound level meters will need to have been calibrated by an independent laboratory within the year.

The complete list of devices used for sound surveys must be presented and approved prior to work:

- The sound level meter brand and model;
- The microphone brand and model;
- The acoustic calibrator brand and model;
- The audio recorder brand and model;
- Extension cables and any other necessary device.

During measurements, the microphones must always be covered with a windscreen.

Sound level meter calibration, including microphone extensions, if applicable, should be minimally verified at the start and at the end of sampling, using the same standard sound source. The difference between the calibration at the start and at the end of sampling should not exceed 0.5 dBA, otherwise, the sampling shall be started over. The operator must take note of calibration levels.

Weather conditions during sound surveys must be as follows:

- Temperature between -10 °C and 50 °C;
- Wind speed average below 20 km/h;

- Relative humidity in accordance with the limits of the measuring device;
- No rainfall;
- Dry pavement.

During sound surveys, a weather station in the surrounding area should record the following data at least once per hour:

- Relative humidity;
- Temperatures;
- Wind direction average;
- Wind speed average;
- Rainfall.

Sound surveys must be carried out during the dry season (month of February), from Monday to Friday, excluding national holidays.

The microphones should be installed at a height of 1.5 m from the ground. They should also be within the property lines of a residence and as much as possible in the center of the yard normally occupied by residents facing the road under study. The space normally occupied by residents is usually the grassed area around a home, excluding wooded or cultivated areas. In the event this space is not clearly defined around a house, the microphone should be installed 5 m from the residence. In addition, no microphone at a residence should be installed more than 30 m from the residence. If the latter cannot be installed at a residence, the microphone must be positioned at an equivalent distance from the road and from the residences located at the edge of the road.

The microphones must be more than 3.5 m from any reflecting surfaces and more than 7 m from the edge of the nearest road. The selected residences should be among the closest, that is, the first row of residences along the road under study. There should be no screen between the microphone and the road. The road should be visible from the microphone.

The audio recording must be concomitant to the sound survey. The latter must be synchronized with the sound survey samples in order to correlate the audio events with the results measured by the sound level meter. The audio recording must have a sampling rate of at least 32kHz and bit rate (compressed) of at least 128 kbit/s).

The location of the microphones and the choice of residences should be selected to avoid the presence of significant noise sources other than road traffic, such as noise from air conditioners, pumps, generators, dogs barking, etc.

The operator or supervisor of the device should stand more than 1.5 m from the microphone and should not converse or listen to music while sound surveys are in progress.

The measurement points should be checked sporadically by an operator to ensure the proper functioning of the sound level meters, as well as to note the sound elements, in order to paint a general portrait of the sound environment for each measurement point. A record of noisy events should be observed and noted.

The noise descriptors, which will be recorded during the sound surveys over a period of one hour and over a period of 24 hours, are statistical indicators L_{01} , L_{10} , L_{50} , L_{90} , and L_{99} . The equivalent noise level (L_{eq}) should be recorded every five seconds in a third octave band at least covering the 31.5 Hz to 8 kHz frequency range.

Measured data will be in "dBA", which is the unit used to express sound levels measured, using a filter which accentuates the components of medium frequencies thus imitating the human ear response, according to standards and methods provided for in CEI Central Bureau's publication number 179.

A vehicle count, by direction, with classification, must be carried out over a period of at least one hour for each sound survey. The classification must at least include the following four types of vehicles:

- **Motorcycle** – 2 or 3 wheels (motorcycle, tuk tuk, motorized boda boda, motorized piki piki, scooter, etc.);
- **Automobile** – 2 driving axles and 4 wheels (car, minivan, pick-up truck, SUV, etc.);
- **Light Truck** – 2 driving axles and 6 wheels (bus, matatu, tractor, cube truck, etc.);
- **Heavy truck** – 3 driving axles or more (platform truck, van, articulated truck, dump truck, etc.).

A traffic count, for at least one hour, on secondary streets with noise influencing sound surveys, should be carried out. The traffic count must be carried out concomitantly to the sound survey. The counting period should be noted.

Each sound survey must be precisely described with the exact position of the microphone. The distance of microphones from fixed structures should be noted, as well as the geographical coordinates. At least five photos of the location of each measuring device, and of its surrounding environment, should be taken.

Roadmaps must be completed for each sound survey and each traffic count carried out (Appendix A).

A sound survey must be carried out for each of the following zones:

- S1: Nakuru-Nairobi Road (A104) to Ngarariga between Kiambu Road and C66 Road;
- S2: Old Naivasha Road and Kamandura-Mai Mahiu – Narok Road;
- S3: Nakuru-Nairobi Road (A104) to Naivasha between Kenyatta Avenue and Moi South Lake Road;
- S4: Nakuru-Nairobi Road (A104) to Gilgil;
- S5: Nakuru-Nairobi Road (A104), rural area between Gilgil and Nakuru East;
- S6: Old Nairobi Road (A104) to Nakuru East between C83 Road and Nyeri Nyahururu Road (Route B5);
- S7: Geoffrey Kamau Avenue (A104) to Nakuru between the Mburu Gichua Road roundabout and the W Road roundabout;
- S8: Nakuru Kisumu Road (A104) to Nakuru between both roundabouts;
- S9: Nairobi Road (A104) to Sobea;
- S10: Nairobi Road (A104) near Kibunja Road;

Figures 1 to 10 show the location of the zones for each sound survey.

Figure 1 Location of the Zone for Survey Point S1

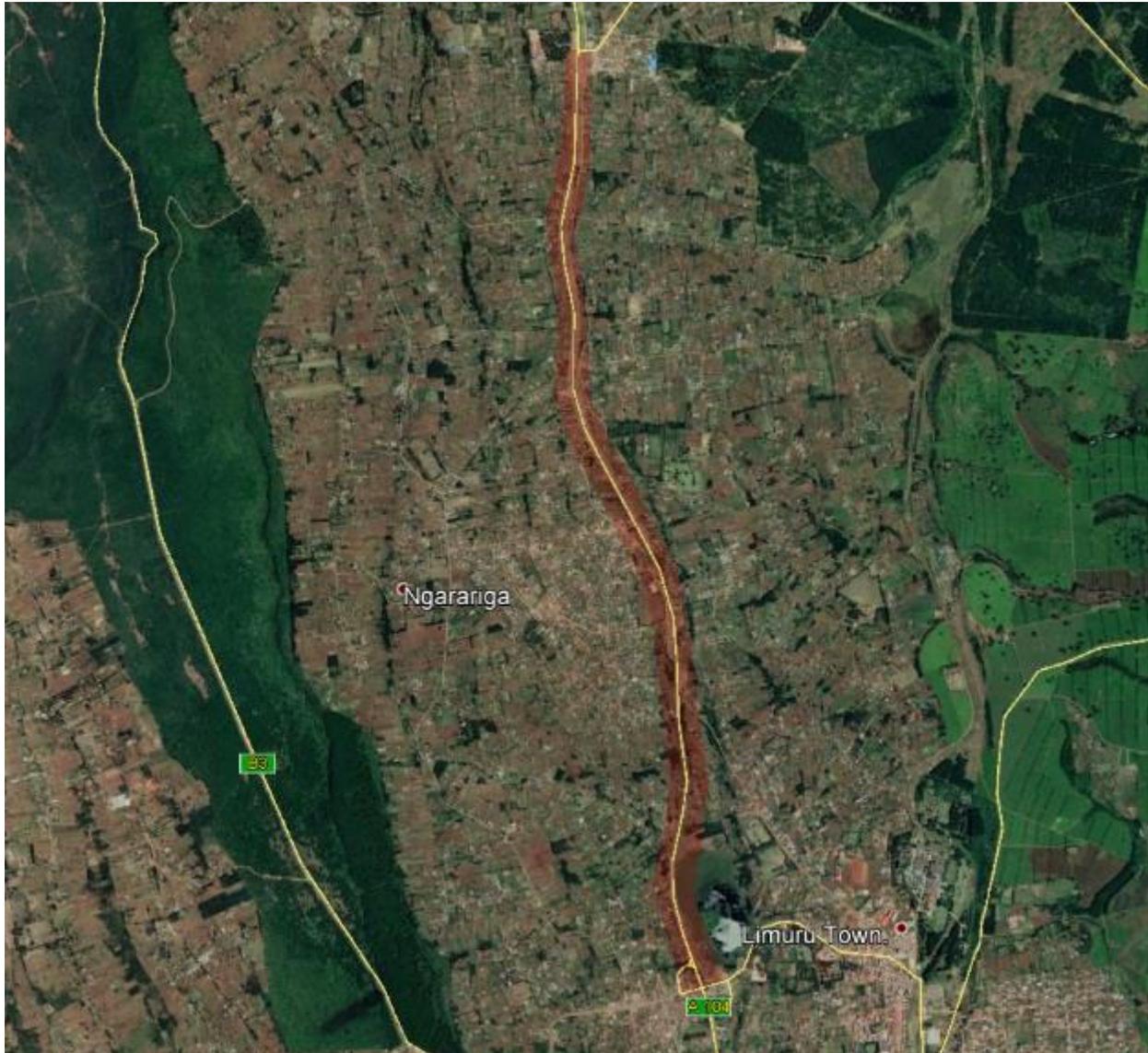


Figure 2 **Location of the Zone for Survey Point S2**



Figure 3 **Location of the Zone for Survey Point S3**



Figure 4 **Location of the Zone for Survey Point S4**



Figure 5 **Location of the Zone for Survey Point S5**



Figure 6 **Location of the Zone for Survey Point S6**



Figure 7 **Location of the Zone for Survey Point S7**



Figure 8 **Location of the Zone for Survey Point S8**



Figure 9 **Location of the Zone for Survey Point S9**



Figure 10 **Location of the Zone for Survey Point S10**



PREPARED BY:

Marc Deshaies, Eng., M. Eng.
Team Leader – Acoustics, Vibration, and Air Quality

REVIEWED BY:

Ghyslain Pothier
Project Director - Environment - International



APPENDIX A

Roadmaps

2nd ROADMAP

PROJECT : _____	SURVEY: _____
	DATE : _____
LOCATION: _____	START : _____
_____	END : _____

RESULTS

PERIOD	L _{eq, h} dBA	L _{1, h} dBA	L _{10, h} dBA	L _{50, h} dBA	L _{90, h} dBA	L _{99, h} dBA
00:00-01:00						
01:00-02:00						
02:00-03:00						
03:00-04:00						
04:00-05:00						
05:00-06:00						
06:00-07:00						
07:00-08:00						
08:00-09:00						
09:00-10:00						
10:00-11:00						
11:00-12:00						
12:00-13:00						
13:00-14:00						
14:00-15:00						
15:00-16:00						
16:00-17:00						
17:00-18:00						
18:00-19:00						
19:00-20:00						
20:00-21:00						
21:00-22:00						
22:00-23:00						
23:00-24:00						

NAME OF OPERATORS	SIGNATURE



4th ROADMAP

PROJECT : _____	SURVEY: _____
	DATE : _____
LOCATION: _____	START : _____
_____	END : _____

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
00:00-01:00					
01:00-02:00					
02:00-03:00					
03:00-04:00					
04:00-05:00					
05:00-06:00					
06:00-07:00					
07:00-08:00					
08:00-09:00					
09:00-10:00					
10:00-11:00					
11:00-12:00					
12:00-13:00					
13:00-14:00					
14:00-15:00					
15:00-16:00					
16:00-17:00					
17:00-18:00					
18:00-19:00					
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-24:00					

NAME OF OPERATORS	SIGNATURE



WATER SAMPLING PROTOCOL

TO: Norken International Ltd
FROM: Ms. Mélanie Lévesque, WSP Canada Inc.
PROJECT NO: 201-10312-00
DATE: November 30, 2020

Prior to field mobilization, make sure you have the following list of materials.

LIST OF MATERIALS:

- Pole, stick or homemade bottle holder
- Sampling bottles (at least 1 per stream)
- Laboratory bottles
- Box of nitrile gloves
- Waterproof pencil
- Field sheet
- Camera
- GPS
- Certificate of analysis
- Multiparametric probes
- **Cooler and ice pack**

**Also ensure that all bottles are properly identified with the name of each station.

1. WATER SAMPLING PROTOCOL

ALL watercourses crossing the road (with AND without water) must be characterized (picture and field data sheet, Appendix A). Even if the watercourse was not on the list of pre-identified sampling sites.

ALL watercourses crossing the road (with water) must be sampled.

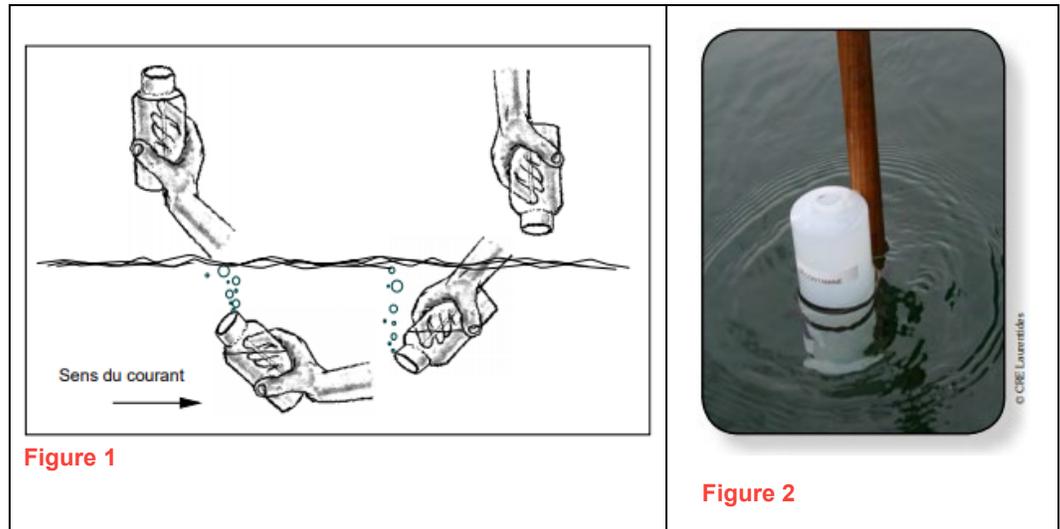
- 1** Take GPS coordinates of the site as well as photos (take picture all around the sampling spot : **upstream, downstream and both bank of the watercourse**).
- 2** Record the time and date on the field sheet (Appendix A) prepared for this.

Water samples can be collected in several ways, depending on the size of the stream and accessibility to the site. In shallow streams and rivers, it is best to stand in the center of the stream and fill a clean sampling bottle by hand, in the middle of the water column, facing the

current (Figure 1). If the stream is deeper and/or has a greater current, a homemade sampling system can be made by attaching the clean bottle to a stick or pole (Figure 2).

- 3 Fix a sampling water bottle without preservative to your homemade bottle holder (pole, stick), taking care to keep the cap on the bottle until the last moment (i.e. during sampling).

**Warning: the sampling water bottle must be only used for one station.



- 4 Position in the center of the stream facing the current (if current is present).
- 5 If possible, position at 30 cm below the water surface (if water depth permits).
- 6 Avoid collecting residues that may contain suspended solids. Do not drag the bottle on the bottom.
- 7 Once filled, take the bottle out of the water, empty it and refill it in the same way.
- 8 Once filled, put on the nitrile gloves and dispense the contents of this bottle into the various containers provided by the laboratory. These gloves will only be used once.

WARNING: The inner parts of bottles and corks should not be touched directly. The corks must be screwed tightly. Avoid overfilling the bottles to keep the preservative inside the bottles.

2. QUALITY CONTROL

DUPLICATES

A minimum of 10% of the duplicate samples must be collected and analyzed. Therefore, after each 10th samples, take **one** duplicate at the same sampling site. Name the duplicate D1, D2 etc and write on the field data sheet where the duplicates (D1, D2, etc) was taken. **DO NOT** write on the duplicate bottle which sampling site the duplicate is associated with. (For the other watercourses sampling, write the real name of the watercourse on the bottle.)

Sampling example for when to take the duplicate:

Sample 1, Sample 2, Sample 3, Sample 4, Sample 5, Sample 6, Sample 7, Sample 8,
Sample 9, **Sample 10 + Duplicate**



Sample 11, Sample 12, Sample 13, Sample 14, Sample 15, Sample 16, Sample 17, Sample 18, Sample 19, **Sample 20 + Duplicate**, etc.

FIELD BLANK

Two field blank (one open in a contaminated site and one open in a not contaminated site) must be brought to and handled at the sampling site and returned to the laboratory as a sample. Containers of field blanks should therefore be opened in the field for approximately the same length of time as the sample containers at the time of sampling. They must always accompany the other containers before, during and after sampling and when returning samples to the laboratory. Fill with deionized water before going to the field.

3. CONSERVATION

Verify that all bottles are properly filled and properly identified at the station and the date of sampling.

Place all your water samples in a cooler container with ice packs or a refrigerator to keep the samples at approximately 4 degrees Celsius. Do not freeze the samples. If you are not able to bring the samples to the laboratory on the same day, place the samples in the refrigerator as soon as possible and keep them for at least 4 hours before shipping them with ice packs.

If possible, send batches of the samples to the laboratory every one or two days.

4. IN SITU MEASURES

For each sampling station, water temperature (°C), conductivity ($\mu\text{S}/\text{cm}$), turbidity (NTU) and dissolved oxygen concentration (mg/L) will be measured directly in the watercourse using a multi parameter probe.

Turbidity should be done with the *in situ* measures in addition to the laboratory analysis.

5. ANALYTICAL PARAMETERS

Samples will be sent to an accredited laboratory and analyzed for pH, hardness, electrical conductivity, TSS, TDS, color, turbidity, BOD, COD, metals (copper, lead, zinc, iron, aluminium, cobalt, cadmium, nickel, chromium), organics (phenols, BETX, TPH, PAH), oil and grease, nitrates, phosphate, calcium, chloride, fluoride, sodium and e-coli.

6. DEFINITION

WATERCOURSE

A watercourse consists of all watercourse with and without water. The watercourse bed differs from the side of it. The watercourse bed needs to be delimited. It could be man-made, modified by man or natural.



Delimitation of the watercourse

Different watercourse bed
(different from the grass near it)

Drainage ditch is a depression dug to allow drainage of the road or the field. It is not required to characterised drainage ditch for this project.

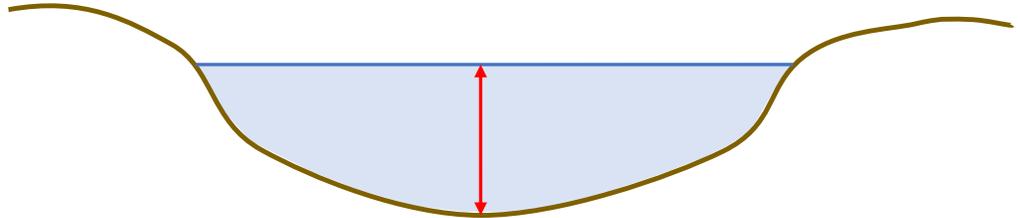


Ditch dug to drain water
from the road and the field

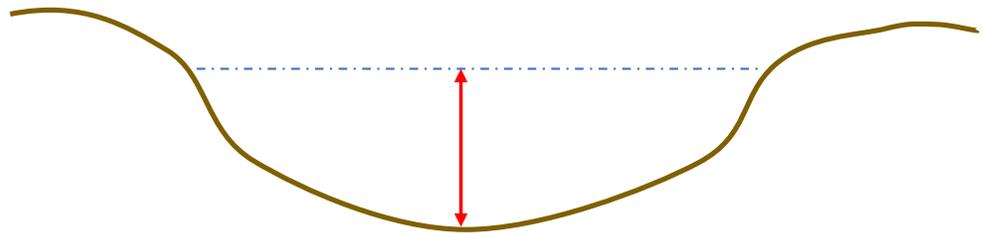
After some raining episodes, it is possible to see water accumulation in some part of a field. If there is no flow it is not a watercourse, if the watercourse bed is not clear and is in the same material as anywhere else, it is not a watercourse.

DEPTH OF THE WATERCOURSE

If water is present, measure the water depth (red arrow) from the bottom of the watercourse to the top of the water. It is possible to measure approximately or to do a mean of different point in the watercourse.



If there is no water present in the watercourse, estimate the level where the water should be (dotted line) and approximate the depth (red arrow).

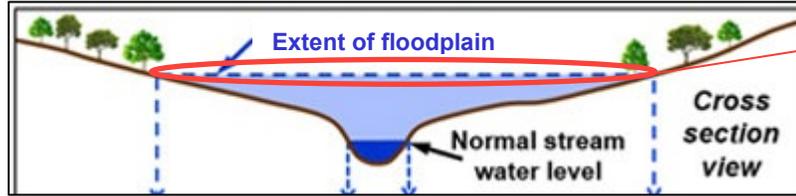


SUBSTRATA

Granulometry class	Diameter (mm)
Hard rock	Hard rock
Boulder	250 - 4000
Cobble	64 - 250
Pebble	4 - 64
Sand	0.06 - 4
Silt or clay	0.00006 – 0.06
Organic matters	n/a

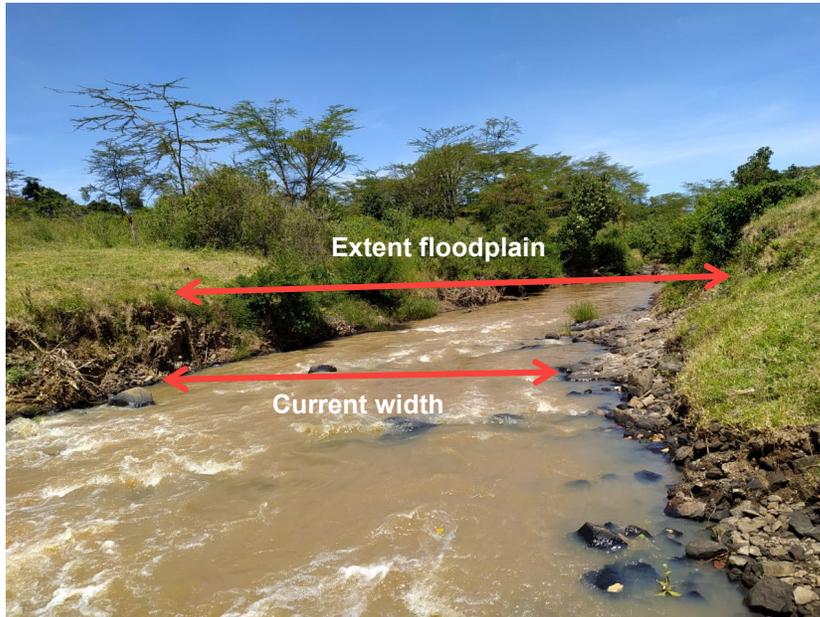
EXTENT OF FLOODPLAIN

A floodplain is an area of land adjacent to a stream or river which stretches from the banks of its channel to the base of the enclosing valley walls, and which experiences flooding during periods of high discharge.



In meters
(from one
side to the
other)

Field example (site 10):





APPENDIX 1

FIELD SHEET



Water Quality Data Sheet

Site # or stream name (if known): _____ Water present: Yes No

Date: _____ Person recording data: _____

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input type="checkbox"/> Yes <input type="checkbox"/> No
Time _____	Time _____
Approx watercourse depth _____	Approx watercourse depth _____
Sampling depth _____	Sampling depth _____
Latitude _____	Latitude _____
Longitude _____	Longitude _____
Photos # _____	Photos # _____
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
_____	_____
_____	_____
_____	_____
Possible contamination sources:	
_____	_____
_____	_____
Extent of floodplain (in meters, for both side of the stream):	
_____	_____
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
_____	_____

Parameter (<u>taken in the field</u>)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)		
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		

MERIDIAM S.A.S., VINCI CONSTRUCTION S.A.S., VINCI CONCESSIONS S.A.S.

NAIROBI-NAKURU-MAU SUMMIT HIGHWAY PROJECT

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

SOIL SAMPLING PROTOCOL

KENYA

WSP REF.: 201-10312-00
DATE: FEBRUARY 8, 2021

CONFIDENTIAL





SOIL SAMPLING PROTOCOL

NAIROBI MAU SUMMIT
HIGHWAY,
KENYANAIROBI MAU
SUMMIT HIGHWAY,
KENYA

MERIDIAM S.A.S., VINCI CONSTRUCTION
S.A.S., VINCI CONCESSIONS S.A.S.

CONFIDENTIAL

PROJECT NO.: 41103142
DATE: FEBRUARY 2021

WSP
1ST FLOOR, PHAROS HOUSE
70 BUCKINGHAM TERRANCE
WESTVILLE, DURBAN, 3629
SOUTH AFRICA

T: +27 31 240 8800
F: +086 606 7121
WSP.COM

QUALITY MANAGEMENT

ISSUE/REVISION	FIRST ISSUE	REVISION 1	REVISION 2	REVISION 3
Remarks	Draft	Draft		
Date	February 2021	08-02-2021		
Prepared by	Adam Sanderson			
Signature				
Checked by	Sean Doel	Caroline Le Page		
Signature				
Authorised by	Adam Sanderson			
Signature				
Project number	41103142			
File reference	Soil Sampling Protocol_DRAFT_2021-02-04			



TABLE OF CONTENTS

1	FRAMEWORK AND OBJECTIVES	3
2	HEALTH AND SAFETY	3
3	APPLICABLE STANDARDS AND REQUIREMENTS	3
4	SOIL SAMPLING	4
4.1	Locations	4
4.2	Soil Sampling	5
4.2.1	Descriptive information	5
4.2.2	General approach	5
4.2.3	Step by Step procedures	6
4.2.4	Equipment decontamination	6
4.2.5	Consignment & Chain of Custody	7
5	LABORATORIES ANALYSIS	7
5.1	Physical Analysis	7
5.2	Chemical Laboratory Analysis	7

1 FRAMEWORK AND OBJECTIVES

The purpose of this document is to define a standardised procedure for the collection and handling of soil samples during the course of initial investigatory works in support of the Environmental and Social Impact Assessment (ESIA) for the Nairobi-Nakuru-Mau Summit Highway.

The Nairobi-Nakuru-Mau Summit Highway Project involves:

- The dualling of 4 sections of A8 highway between Rironi and Mau Summit; and
- The strengthening, of 2 sections, of A8-South highway between Rironi and Naivasha.

The protocol will ensure that field works be completed in a consistent and replicable manner, regardless of the person/s (sampler) conducting the activity. This protocol will also ensure that all data collected is comparable and will minimize potential procedural variations which may affect laboratory analytical variability.

The primary objective of the initial field campaign is to ascertain whether a more thorough sampling campaign might be required prior to construction in an effort to:

- i) broadly identify the likelihood of impacts from primary contaminants of concern within areas identified as high potential for existing contamination, and
- ii) provide an indication of the physical properties of soils, by focussing on targeted points of concern only.

The initial investigatory works are not intended to be a comprehensive sampling programme but rather a scoping exercise to appraise the quality of soils. Based on the results of the initial works a second sampling programme may be required during later stages of the intended development.

2 HEALTH AND SAFETY

Appropriate safety precautions must be observed when collecting soil samples, and particularly recognising positions in close proximity to active roads. Safety protocols (WSP and Norken) must be respected and appropriate Personal Protection Equipment (PPE) must be made available and worn at all times.

3 APPLICABLE STANDARDS AND REQUIREMENTS

Whilst no national regulations related to soil quality guidelines, standards or testing criteria, or approved methodologies have been identified¹, the Kenya Bureau of Standards (KEBS) refer to ISO 10381-1:2002 and ISO 11074-2:1998. These set out the general principles to be applied in the design of sampling programmes for the purpose of characterising and controlling soil quality and identifying sources and effects of contamination of soil and related materials. However, the aforementioned have been withdrawn and revised by the following:

- ISO 18400-101:2017, Soil quality – Sampling – Part 101: Framework for the preparation and application of a sampling plan

¹ This is to be confirmed by Norken International Limited

- ISO 18400-104:2018, Soil quality – Sampling – Part 104: Strategies
- ISO 18400-107:2017, Soil quality – Sampling – Part 107: Recording and reporting
- ISO 11074:2005, Soil quality – Vocabulary

It should also be noted that the above ISO documents make reference to the following of relevance:

- ISO 25177:2019, Soil Quality - Field Soil Description
- ISO 18400-102:2017, Soil quality – Sampling – Part 102: Selection and application of sampling techniques
- ISO 18400-201:2017, Soil quality – Sampling – Part 201: Physical pretreatment in the field
- ISO 18400-105:2017, Soil quality – Sampling – Part 105: Packaging, transport, storage and preservation of samples

Where relevant, the above have been referenced in the preparation of the current protocol and should be read in conjunction herewith. Where discrepancies are apparent, the ISO procedures should take precedence unless site or situation-specific conditions reasonably dictate otherwise, including but not limited to the interest of safety.

4 SOIL SAMPLING

The methods/procedures described here after particularly pertain to the collection of shallow subsurface soil samples, typically within the upper 50 cm, below ground level (bgl).

4.1 SAMPLING LOCATIONS

An analysis of satellite imagery (including use of Google Street View) has been completed to identify areas with a higher likelihood of soil contamination within the existing road reserves (i.e. confirmed truck lay bye areas, areas close to petroleum stations or industrial sites, etc.); this has been supplemented by driving the route. In excess of fifty candidate sampling sites were identified; however, has been limited to those ten positions presented in table 4-1; representing a reasonable selection of sites along the entire length of the route/s. It should be recognised that no allowance is made at this stage for the collection of additional quality control samples.

Tableau 4-1 Areas with likelihood of soil contamination along Highway A8 South and A8

No.	Location ID	Latitude	Longitude	Description
Highway A8 South				
1	A8s-1	-0.882915	36.495248	Truckstop; north of route
2	A8s-2	-0.980456	36.583060	Truckstop; mid-route
3	A8s-3	-1.118490	36.620485	Truckstop; south of route
Highway A8				
4	A8-1	-0.173111	35.706500	Fuel Filling Station
5	A8-2	-0.219942	35.736028	Truckstop
6	A8-3	-0.315750	36.141111	Truckstop & Fuel Pipeline
7	A8-4	-0.323444	36.151222	Truckstop & Depot
8	A8-5	-0.439056	36.267361	Fuel Filling Station
9	A8-6	-0.501528	36.315194	Fuel Filling Station
10	A8-7	-1.041722	36.628306	Fuel Filling Station

4.2 SOIL SAMPLING

4.2.1 DESCRIPTIVE INFORMATION

At each of the 10-sampling location, the following information should be obtained:

- Photographic record showing area/s of concern at each point
 - Information regarding the sampling location including *inter alia*:
 - ✓ Geographic coordinates using a suitably accurate Global Positioning System (GPS)
 - ✓ Description of land use and ongoing activities (i.e. fuel-filling station dispensing diesel/petrol, metal workshop with informal storage of solvents etc.);
 - ✓ Nature of soils encountered;
 - ✓ Any visual evidence of surface soil impacts (i.e. evident staining, vegetation stress etc. presence of trashes);
 - ✓ Any suspected indication of subsurface impacts (i.e. underground storage tanks, effluent infrastructure etc.)
 - ✓ Record any other pertinent environmental observations (i.e. weather conditions, proximal activities/land-uses)
 - any procedural deviation or notes.
-

4.2.2 GENERAL APPROACH

Soil sampling will be done manually taking into considerations the following general guidelines:

- All soil samples to be collected from within the boundaries of the road wayleave, and outside of neighbouring private property in all instances
- Check surrounding for evidence of infrastructure/utilities, both above and below ground, that may traverse within the vicinity of the identified exploratory position and ensure suitable separation before commencing
- Prepare the area, placing impermeable sheeting (i.e. liner), adjacent position to receive excavated soil
- Remove superfluous soil covering/s (i.e. dense vegetation, gravel, concrete etc.), if present and place to one side
- Using a clean (decontaminated) implement (i.e. spade/shovel) and manually excavate a hole to a targeted depth based on site-specific observations; this is nominally assumed to be approximately 50 centimetres below ground level.
- Place all arisings onto sheeting in order of retrieval, separating soils from differing horizons
- Record/log soil profile (geology) alongside any visual and olfactory evidence of contamination in general accordance with ISO 25177:2019
- Obtain a representative soil sample
- Obtain photographs of both the excavation and the arisings
- Record the GPS coordinates of the excavation
- Backfill the excavation with the remaining recovered arisings (lightly compacted) and reinstate surface as close as practicable to initial conditions.

NB: It should be acknowledged that, particularly at fuel filling stations, contaminative impacts are often not primarily associated with surface spills, but rather leakages from underground infrastructure. It must also be recognised that there are a substantial number of such stations along the length of the road. Therefore, discretion will be necessary in choosing appropriate shallow soil sampling locations at each facility, and particular where evidence of surface impact is observed within the wayleave. In the event that a candidate site is identified during the sampling exercise that is considered to have a greater

potential of existing impact/s within the wayleave, then this may be collected as a justifiable alternative to any of the 10 positions specified in table 4-1.

4.2.3 STEP BY STEP PROCEDURES

The step by step procedures to be followed during the collection of soil samples are described below; however, reference should also be made to ISO 18400-102:2017, where needed:

- As a minimum fresh disposable barrier gloves (i.e. non-powdered) should be worn for all sampling activities to limit contact with potentially impacted media and reduce the potential for cross contamination between samples. Gloves should be changed if at any point their cleanliness is compromised
 - Samples will be taken with a hand shovel or by hand. Single samples from positions of highest likelihood of impact within any given area should be collected
 - Appropriately label sample container/s (chemical analysis) and bags (physical analysis) including project and sample ID, date and time of collection, and depth range of retrieval as a minimum, along with any other information that may be required by the analytical laboratory
 - Physical analysis: transfer soils into the labelled bags and seal as necessary. If required, use multiple bags to ensure that the minimum required sample volume is provided to the laboratory. Appropriately securely store sample bags ahead of transfer to analytical laboratory
 - Chemical analysis: transfer soils into the labelled container/s, packing tightly and filling container completely to minimise headspace and secure the cap/s tightly. If required, use multiple containers to ensure that the minimum required sample volume is provided to the laboratory. Threads on the containers and lid should be cleaned to ensure a tight seal when closed. Wipe exterior of sample container to remove any residual soils, securely wrap container/s in appropriate packaging materials (i.e. bubble-wrap) and immediately place within temperature controlled environment ahead of transfer to analytical laboratory.
 - All samples should be securely stored to prevent conditions which could alter the properties of the sample and in broad accordance with ISO 18400-105:2017 Therefore, samples must be stored in an adequate temperature controlled environment such as a laboratory provided cooler box with ice-bricks to maintain a temperature in line with the laboratory's accreditation. All samples must be transferred to the laboratory within periods in line with its accreditation; this should acknowledge the analysis of volatile contaminants and typical holding times of less than 48 hours.
-

4.2.4 EQUIPMENT DECONTAMINATION

To minimise the likelihood of cross-contamination it is necessary to ensure equipment decontamination between sampling positions. Norcken International Limited is responsible for identifying and obtaining all necessary supplies required for decontamination. Information regarding the detergent/solutions used should be recorded, and Technical Data Sheets of cleaning products retained.

The general procedure to be adopted is as follows:

- Prepare decontamination area ensuring containment of wash water
- Prepare decontamination solutions/liquid; *nominally fresh clean water and acetone*
- Wipe equipment down with a brush and fresh paper towel (or similar), using appropriate detergent
- Wash equipment using appropriate solution or detergent with potable water (hot water is preferable, if available)
- Rinse with deionised water and repeat above step twice (i.e. triple rinse)
- Allow equipment to dry on a clean uncontaminated surface
- Store equipment in an uncontaminated environment for future use
- Collect rinse and wash water and dispose of appropriately

4.2.5 CONSIGNMENT & CHAIN OF CUSTODY

Sample transportation should be in accordance with the procedures outlined in ISO 18400-105:2017.

Collected samples remain the custody of the sampler, or otherwise designated custodian, until these are formally relinquished to another party (i.e. courier or direct to the laboratory) with corresponding Chain of Custody documentation.

If utilising a courier to transit samples to the laboratory, consignment documentation should be retained and/or copies made.

Chain of Custody documentation should accompany all samples at all times. Templates for Chain of Custody documentation must be obtained from the relevant analytical laboratories in advance. This should be completed in full for each and every consignment, with copies made.

Although a maximum period of one (1) week is allowed for the transfer of soil samples for physical analysis, those for chemical analysis should be transferred as soon as possible to ensure maintenance of an appropriately cooled environment. It is preferred that daily arrangements are made for the transfer of samples for chemical analysis.

5 LABORATORIES ANALYSIS

5.1 PHYSICAL ANALYSIS

Soil samples collected for physical analysis are to be transferred to the Kenya Marine and Fisheries Research Institute (KMFRI). The physical analytical suite is to comprise:

- Particle Size Distribution (PSD)
- Permeability
- Erodability
- Porosity
- Soil-water Retention

Samples for the above physical analysis must consist of a minimum of 1kg retained within an appropriate bag to ensure integrity, and be transferred within a maximum period of one (1) week from collection.

The primary contact details for KMFRI are as follows:

- Kenya Marine and Fisheries Research Institute
Silos Road, English Point, Mkomani
Mombasa, Kenya
Tel... +254 (20) 802 1561 | +254 (20) 802 1560 | +254 (20) 217 8357

5.2 CHEMICAL LABORATORY ANALYSIS

Soil samples collected for chemical laboratory analysis are to be transferred to SGS Kenya Limited (SGS), an approved and accredited facility. The chemical analytical suite is to comprise:

- Metals (cadmium, chromium, copper, lead, nickel and zinc)
- Benzene, toluene, ethylbenzene and xylene (BTEX)
- Total Petroleum Hydrocarbons (TPH)
- Polycyclic Aromatic Hydrocarbons (PAH)

Samples for the above chemical analysis must consist of a minimum of 1kg retained within an airtight glass container. These must be stored in an adequate temperature controlled environment such as a laboratory provided cooler box with ice-bricks to maintain a temperature in line with the laboratory's accreditation. All samples must be transferred to the laboratory within periods in line with its accreditation; this should acknowledge the analysis of volatile contaminants and typical holding times of less than 48 hours. Sample containers suspected of containing high concentrations of contaminants should be handled and stored separately.

The primary contact details for SGS are as follows:

SGS Kenya Limited
Victoria Towers
Kilimanjaro Ave Upper Hill
Nairobi, 00200
Kenya
Tel... +254 709 633 000 | +254 20 273 3690



SEDIMENTS SAMPLING PROTOCOL

TO: Norken International Ltd
FROM: Ms. Mélanie Lévesque, WSP Canada Inc.
PROJECT NO: 201-10312-00
DATE: November 30, 2020

Prior to field mobilization, make sure you have the following list of materials.

LIST OF MATERIALS:

- Small Ponar Grab or shovel
- Spoon
- Acetone and hexane
- Chemical waste bottle and funnel
- Distilled water
- Laboratory jars**
 - For granulometry
 - For analytical parameters
- Box of nitrile gloves
- Waterproof pencil
- Field sheet
- Camera
- GPS
- Certificate of analysis
- Cooler and ice pack

**Also ensure that all bottles/jars are properly identified with the name of each station.

1. SEDIMENTS SAMPLING PROTOCOL

- 1** Between each sampling site (but not between each attempt at the same site) the grab and spoon need to be cleaned.
 - a** Rinse well with water to remove all stuck sediment
 - b** Rinse with acetone*
 - c** Rinse with hexane*
 - d** Rinse with acetone*
 - e** Rinse a last time with distilled water
 - f** Once washed, make sure not to touch the inside grab's walls and the head of the spoon

* Collect all the used chemicals (acetone and hexane) in a chemical waste bottle. It is possible to clean the grab and the spoon on a tray or big plastic bag so the chemicals are easily recoverable. Use nitrile gloves and make sure to be in a well ventilated space during the cleaning.

- 2 Take GPS coordinates of the site as well as photos.
- 3 Record the time and date on the field sheet (Appendix A) prepared for this.
 - a Depending on the hardness of substrate, many attempts with the grab could be required to obtain enough sediments for the analyses. Note each of the attempt on the field data sheet.
 - b If the sediments are too hard (too compact) to collect with the grab and if the stream is not too deep, it is possible to use a shovel instead of the grab. Clean it the same way as described in point #1.
 - c Sediments samples can be collected in several ways, depending on the size of the stream and accessibility to the site. In shallow streams and rivers, it is best to stand in the center of the stream and let the grab fall there. If the stream is deeper and/or has a greater current, a small boat could be used to access the center of the stream. If no boat is available, go to the the farthest possible in the stream and use the grab, while always remaining safe.

At each site, 3 sub-samples (3 grabs or 3 shovels) will be taken in order to make a composite sample.

- 4 Set the grab in «open position»
- 5 Let the grab fall **fast in a straight vertical line** in the water column.
- 6 When the grab has reached the substrate (it needs to sink to about 6-8 cm in the sediment), pull hard on the rope to close the grab and lift it back to the surface. Be careful: once full, the grab can be really heavy.

The content of the three sub-samples must be homogenized in a clean container before putting them in laboratory jars

- 7 Wearing new nitrile gloves (these gloves will only be used once), open the small windows on top of the grab and, take a picture of the sediments. Then, with the spoon, scoop the surface of the sediments in the grab and put them in the jars for the laboratory analysis. Avoid taking sediments in contact with the sides of the grab.

WARNING: The inner parts of jars, lids, head of spoon and grab's inner walls should not be touched directly.

2. QUALITY CONTROL

A minimum of 10% of the duplicate samples must be collected and analyzed.

TRIP BLANK

Transport blanks must be taken to the sampling site and returned to the laboratory as a sample. They must always accompany other containers during transport and storage, before and after sampling, and when returning samples to the laboratory. The trip blank container must never be opened.



FIELD BLANK

Field blanks must be brought to and handled at the sampling site and returned to the laboratory as a sample. Containers of field blanks should therefore be opened in the field for approximately the same length of time as the sample containers at the time of sampling. They must always accompany the other containers before, during and after sampling and when returning samples to the laboratory.

3. CONSERVATION

Verify that all bottles/jars are properly filled and properly identified at the station and the date of sampling.

Place all your sediment samples in a cooler container with ice packs to keep the samples at 4 degrees Celsius. If you are not able to bring the samples to the laboratory on the same day, place the samples in the refrigerator as soon as possible and keep them for at least 4 hours before shipping them with ice packs.

4. IN SITU MEASURES

For each sampling station, granulometry, odor, color, presence of debris, presence of organic material and living organism will be described by the person doing the sampling.

5. ANALYTICAL PARAMETERS

Summary table with the detection limit (when available) for the parameter to analyze for the sediment.

PARAMETER		DETECTION LIMIT
Physicochemistry		
Granulometry		not applicable
Total organic content		NA
Organic compounds		
PAH		NA
Inorganic compounds		
Metals	Copper	22 mg/kg
	Lead	25 mg/kg
	Zinc	80 mg/kg
	Cadmium	0.33 mg/kg
	Nickel	NA
	Chromium	NA

* List of metals: copper, lead, Zinc, cadmium, nickel, chromium



APPENDIX 1

FIELD SHEET



Sediment Sampling Data Sheet

Site # or stream name: _____

Date: _____

Time: _____

Approx watercourse depth _____

Person recording data: _____

Site description:

Latitude: _____

Longitude: _____

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

TRY	TRY SUCCESSFUL?	VOLUME %
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PARAMETER	DESCRIPTION
Granulometry	
Odor	
Color	
Presence of debris	
Organic material	
Living organism	

Picture of sediments #: _____



FLORA FAUNA & MAN

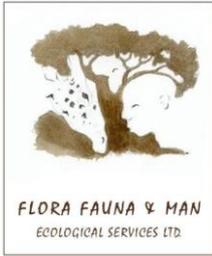
ECOLOGICAL SERVICES LTD.

Rironi to Mau Summit Highway Expansion and Upgrade Project Sampling Plan and Biodiversity Baseline studies. Anticipated Methodological approach.

Contents

Rironi to Mau Summit Highway Expansion and Upgrade Project.....	1
Sampling Plan and Biodiversity Baseline studies.	1
Anticipated Methodological approach.	1
1. Introduction.....	2
2. Study area – impact zones.....	2
3. Study area in brief.....	2
3.1. Broad vegetation types.....	2
3.2. Land cover types.....	6
3.3. Preliminary Standardised Biodiversity Sensitivity Analysis (SBSA) classes.....	9
4. General sampling strategy.....	9
5. Grid cells sampling.....	11
5.1. Defined sampling area:.....	11
5.2. Undefined sampling area – adaptive (selective) sampling strategy:.....	11
6. Preliminary sampling locations selection.....	12
7. Sampling location selection approach.....	12
8. Baseline ecosystem and habitat definition related studies strategy within the sampling grid cells.....	13
8.1. General considerations.....	13
8.2. Scaling of the field work effort.....	14
9. Baseline “mobile biodiversity” (fauna) definition studies strategy within the sampling grid cells.....	15
9.1. General considerations.....	15
9.2. Specific considerations.....	15
9.3. Scaling of the field work effort.....	17
9.4. Additional details on methods for mobile lifeforms.....	18
9.4.1. With regard to mammal studies.....	18
9.4.2. With regard to avian studies.....	19
9.4.3. With regard to reptiles and amphibian studies.....	19
9.4.4. With regard to insects studies.....	20
9.4.5. With regard to freshwater studies – fish and aquatic insects.....	21
10. References cited and/or consulted.....	22
11. Appendix 1: Methodological background to the preliminary SBSA.....	24
12. Appendix 2: List of potential locations for sampling.....	27
13. Appendix 3: Maps for the study area and the proposed sampling locations.....	34





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

1. Introduction

WSP Canada has been commissioned by Rift Valley Highway Limited (RVHL) to complete the Environmental and Social Impact Assessment (ESIA) for the Rironi to Mau Summit Highway Expansion and Upgrade Project, in order to anticipate and identify adverse environmental and social risks and develop robust mitigation measures through the application of mitigation hierarchy. As part of the WSP Canada consortium in the proposal made to RVHL, Flora Fauna & Man Ecological Services Ltd (FFMES) will be undertaking the biodiversity baseline studies. These studies are planned to take place in February 2021 (dry season) and in April 2021 (wet season) for a period of 10 and 12 days, respectively. This document describes the general sampling strategy and the methodological approach for the biodiversity baseline studies.

2. Study area – impact zones

The study area defined as relevant represents a linear system spanning +/-176 km in length. As the project is a road expansion and upgrade, the area of direct influence is deemed to be limited in its extension on either side of the linear and a distance of 2 km on either side is deemed as sufficient to incorporate all likely direct impacts (Van der Ree et al., 2015). Indirect impacts are deemed as likely to be satisfactorily incorporated within an area spanning 10 km on either side of the linear. Finally, the overall influence area is highlighted in Discrete Management Unit (DMU) defined by The Biodiversity Consultancy (TBC) (TBC, 2018) (see Figure 1). The study area for direct impact (980 km²), nevertheless, is vast, and can be considered of “landscape scale” (Bourgeron et al. 2011) as it exceeds 50,000 ha. The freshwater systems (sections of land traversed by rivers, streams or covered by water such as lakes and ponds) within the direct impact study area represent 361 km² (36.8% of the total study direct impact study area).

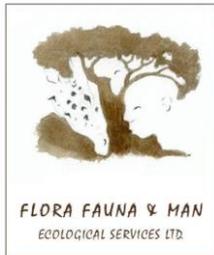
3. Study area in brief

3.1. Broad vegetation types

The map for the vegetation potential of eastern Africa developed in the context of the Vegetation and Climate Change in East Africa Project (VECEA) by Kindt et al. (2011) and simplified by van Breugel et al. (2015) is considered as adequate to determine the nature of the “precursor” natural vegetation zones that define the study area. The map was sourced from the VECEA website and is used as a guide to highlight the main broad vegetation types, considered here as habitat types, that the road alignment traverses. The general region of Kenya straddled by the project encompasses a total of 19 natural vegetation types from the VECEA work, which are briefly presented in Table 1.

The DMU defined by TBC during a preliminary assessment of likely impacts of the road on the ecological context of the region it will traverse, (TBC, 2018) is concerned with 13 of these (Figure 1). However, the area that has been defined as the direct impact zone above is concerned with only eight of these (highlighted in green in Table 1). The eight habitat types highlighted can therefore be considered as the likely original vegetation that would have prevailed in the various areas traversed by the road prior to human induced changes. These broad vegetation types must therefore be considered as the precursor vegetation against which the ecological assessment and the biodiversity assessment must consider the current state of degradation or transformation and fragmentation within the direct impact zone.





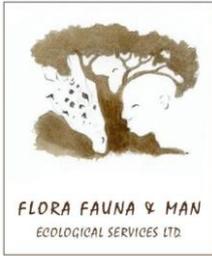
FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Table 1: brief presentation of the broad vegetation types for the region of interest for the Rironi – Mau Summit highway section designated for up gauging in Kenya.

#	Broad probable precursor vegetation type	Brief general description
1	Afromontane rain forest	Afromontane rain forest is remarkably similar in structure and physiognomy to Guineo-Congolian lowland rain forest with an upper stratum of 25 to 45 tall trees that are heavy branched and wide-spreading; a middle tree stratum of 14 to 30 m tall, with narrow crowns but do not form a dense canopy; a lower tree stratum of 6 to 15 m tall and forming a dense canopy, followed by a shrub layer of 3 to 6 m tall but poorly differentiated from the lower tree layer. The Afromontane rain forest differs from the Guineo-Congolian rain forest in the occurrence of tree ferns <i>Cyathea</i> spp. and <i>Podocarpus/Afrocarpus</i> spp.
2	Afromontane undifferentiated forest	Undifferentiated Afromontane forest is usually shorter than Afromontane rain forest and despite some floristic overlap is of distinctive composition, often with a dominance of <i>Juniperus procera</i> or <i>Hagenia abyssinica</i>
3	Single-dominant <i>Hagenia abyssinica</i> forest	<i>Juniperus procera</i> forest generally occurs on drier mountain slopes between 1800 and 2900 m above sea level and although they often form dense forests, it is a strong light-demander and does not regenerate in its own shade. Its presence is largely dependent on fire. <i>Hagenia abyssinica</i> forest generally occurs as almost pure stands of 9 to 15 m tall individuals between montane forest, thickets and shrubland at altitudes of 1800 to 3400 m above sea level. Although scattered individuals were observed during the reconnaissance visit, typical <i>Hagenia abyssinica</i> forest formations were not noted.
4	Afromontane moist transitional forest	In Kenya, more than 95% of samples are in an altitude interval of 1000 – 1750 m. For most samples in Kenya the rainfall has a wide distribution with almost 80% of samples in the 1000 – 1800 mm rainfall per annum interval. <i>Albizia gummifera</i> and <i>Newtonia buchananii</i> , could be potential indicators of Afromontane moist transitional forest
5	Lake Victoria transitional rain forest	They are transitional between lowland forests which are mostly made up of Guineo-Congolian species, and higher-elevation Afromontane forests, and the transitional forests include both characteristic lowland and highland species.
6	Afromontane dry transitional forest	A dry type of vegetation consisting of Afromontane and non-Afromontane species occur on dryer slopes of East African mountains as highly fragmented remnants, with well-preserved examples near Nairobi (White 1983). The main canopy is 15 to 18 m tall with emergent up to 25 m high.
7	Somalia-Masai <i>Acacia-Commiphora</i> deciduous bushland and thicket	Deciduous bushland and thicket are the climax over a large part of the Rift Valley (Somalia-Masai Region) where red sandy soils are dominant, typically consisting of dense often impenetrable bushland thickets of 3 to 5 m height, with scattered emergent trees of up to 9 m tall. Deciduous trees are dominant with evergreen trees only contributing between 2.5 and 10% towards the aboveground biomass. Although substantial variation is present in floristic composition, <i>Acacia</i> , <i>Commiphora</i> and <i>Grewia</i> species are nearly always present.
8	Evergreen and semi-evergreen bushland and thicket	This vegetation types occurs on drier slopes of mountains and upland areas, often forming an ecotone between Afromontane forest and deciduous bushland.
9	Upland <i>Acacia</i> wooded grassland	Areas mapped as Upland <i>Acacia</i> wooded grassland are an "alternative steady state" of Evergreen and semi-evergreen bushland and thicket.
10	Afroalpine vegetation	Only on highest mountains of tropical Africa (≥ 3800 m). Afroalpine vegetation can be characterized by the occurrence of Giant <i>Senecio</i> species (up to 6 m; <i>Senecio</i> subgenus <i>Dendrosenecio</i>), Giant <i>Lobelia</i> species (up to 6 m), shrubby <i>Alchemilla</i> species and other plants of remarkable lifeforms. Since most of the species also occur in the montane Ericaceous and Afromontane forest belts, Afroalpine vegetation can be regarded as an archipelago-like floristic region of extreme floristic impoverishment
11	Afromontane bamboo	Afromontane bamboo <i>Yushania alpina</i> (<i>Sinarundinaria/Arundinaria</i>) occurs on most of the high mountains at altitudes of 2380 to 3000 m above sea level in Kenya. Also often present as an understory in <i>Juniperus</i> forest.
12	Montane Ericaceous belt	White (1983) refers to Afromontane evergreen bushland and thickets that occur on most of the higher African mountains and that characteristically occupy a large part of the Ericaceous mountain belt. They are also found on the crests and summits of smaller mountains (especially those that are situated close to the ocean or a large lake) or locally on shallow soils within the Afromontane forest belt. Where the ground is not very rocky and has been protected for several years, such as on wetter mountains, almost impenetrable thickets of 3 to 13 m are formed. On drier and rocky slopes, the vegetation is an open community of bushes that is often discontinuous and merges into Afromontane shrubland.
13	Halophytic vegetation	This unit represent a small group of plants that can grow on saline soils typically found along the Rift Valley lake systems. Characteristic species found around these lakes are <i>Cyperus laevigatus</i> , <i>Sporobolus spicatus</i> and <i>Sueda monoica</i> .
14	Edaphic wooded grassland on drainage-impeded or seasonally flooded soils	This vegetation type is drainage-impeded or found on seasonally flooded soils. Where estimated tree cover is > 10%, the vegetation is classified as edaphic woody grasslands while the remainder is classified as edaphic grasslands.
15	Afromontane desert	Areas covered with rock or snow on mountain peaks were the differences in soil characteristics (such as soil colour) are more conspicuous than the vegetation itself and where the individual plants are never abundant enough in large enough areas to justify the classification of the vegetation as another physiognomic vegetation type such as grassland or shrubland.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

#	Broad probable precursor vegetation type	Brief general description
16	Riverine wooded vegetation	Typical species expected in larger drainage systems include <i>Diospyros mespiliformis</i> , <i>Ficus sycomorus</i> , <i>Syzygium guineense</i> and <i>Trichelia emetica</i> . However, many species from adjacent vegetation types also occur
17	Moist <i>Combretum</i> wooded grassland	<i>Combretum</i> wooded grassland is the major wooded grassland vegetation type of East Africa (Kenya, Tanzania and Uganda). In these <i>Combretum</i> wooded grasslands, various broad-leaved <i>Combretum</i> species are associated with larger-leaved species of <i>Terminalia</i> in wetter areas, and with smaller-leaved <i>Terminalia</i> species in drier areas.
18	Dry <i>Combretum</i> wooded grassland	<i>Combretum</i> wooded grassland is the major wooded grassland vegetation type of East Africa (Kenya, Tanzania and Uganda). In these <i>Combretum</i> wooded grasslands, various broad-leaved <i>Combretum</i> species are associated with larger-leaved species of <i>Terminalia</i> in wetter areas, and with smaller-leaved <i>Terminalia</i> species in drier areas.
19	Edaphic grassland on drainage-impeded, seasonally flooded soils or freshwater swamp	This vegetation type is drainage-impeded or found on seasonally flooded soils. Where estimated tree cover is > 10%, the vegetation is classified as edaphic woody grasslands while the remainder is classified as edaphic grasslands.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

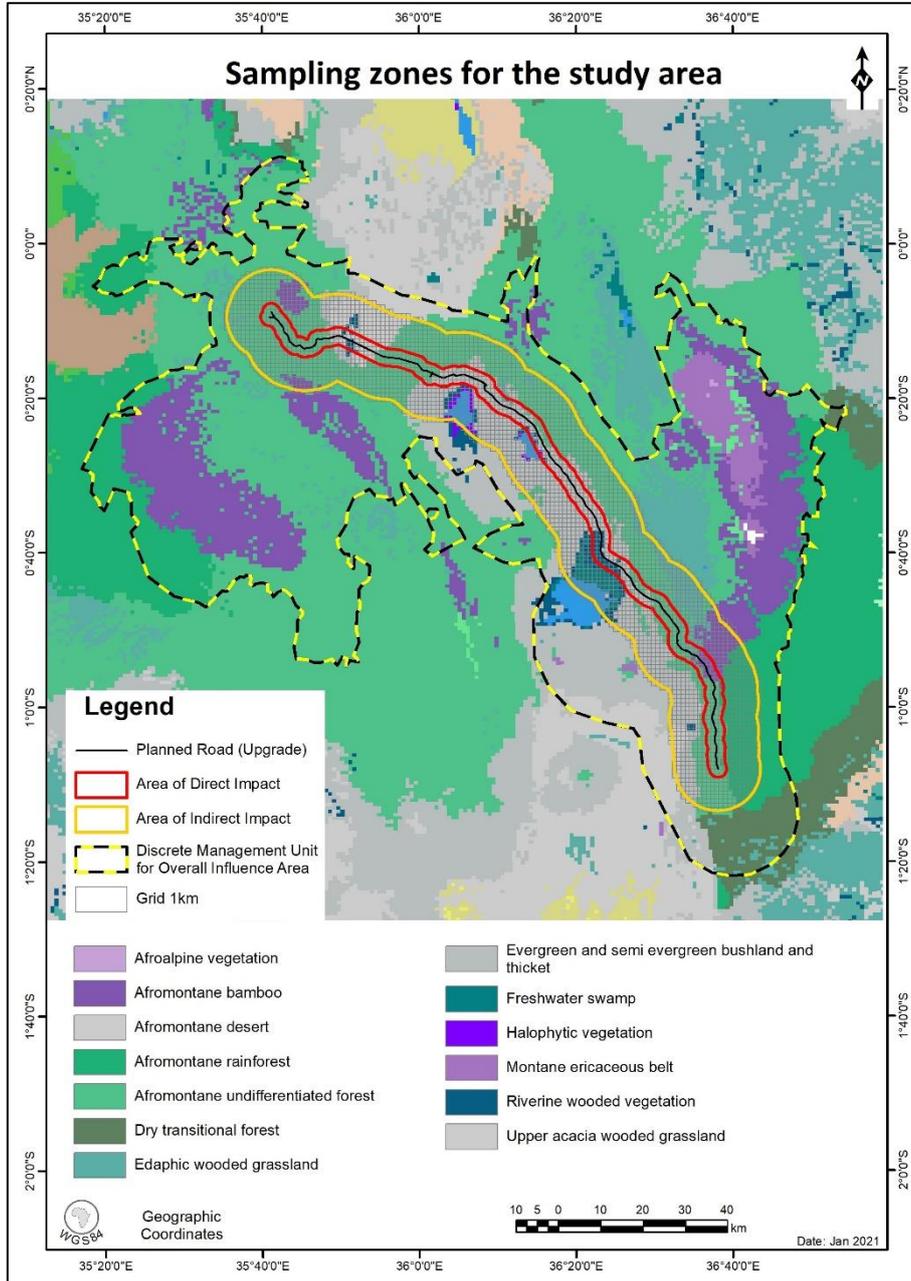
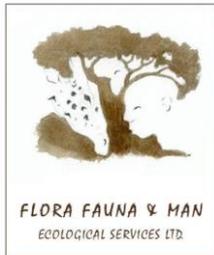


Figure 1: overview of the landscape of concern for the proposed Rironi – Mau summit highway up gauge in Kenya.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

3.2. Land cover types

As land cover and land use in 2020 / 2021 in the area of interest for the project represents a complex assemblage of human modified landscape portions mixed with more natural remnant portions, a land cover / land use mapping exercise was undertaken to obtain an up to date overview of the situation and the possible evolution of habitat conditions over the precursor broad vegetation / habitat types previously described. The Copernicus Land cover / land use map for 2019 was used as guide to develop a FFMES own interpretation. These are presented in Figures 2 and 3 below respectively. The land use / land cover classes used in each situation are summarised in Table 2. The land cover and land use types defined by FFMES are deemed as relevant for a simple check in the field and will be used as a guide for the interpretation of changes in the landscape of interest.

Table 2: land cover and land use classes of relevance for the study area between Rironi and Mau Summit in Kenya, based on two land cover and land use analyses.

Copernicus land cover and land use descriptions for 2019			FFMES based simplified land cover and land use classes descriptions for 2020	
Map code	Land Cover Class	Definition according UN LCCS	Land cover / land use class No	Brief description
111	Closed forest, evergreen needle leaf	Tree canopy >70 %, almost all needle leaf trees remain green all year. Canopy is never without green foliage.	1	Villages and towns
113	Closed forest, deciduous needle leaf	Tree canopy >70 %, consists of seasonal needle leaf tree communities with an annual cycle of leaf-on and leaf-off periods	2	Mines and major excavations
112	Closed forest, evergreen, broad leaf	Tree canopy >70 %, almost all broadleaf trees remain green year round. Canopy is never without green foliage.	3	Cultivation and severe deforestation/degradation (with old lands and minor settlements included)
114	Closed forest, deciduous broad leaf	Tree canopy >70 %, consists of seasonal broadleaf tree communities with an annual cycle of leaf-on and leaf-off periods.	4	Permanent cultivation (green houses)
115	Closed forest, mixed	Closed forest, mix of types	5	Plantations
116	Closed forest, unknown	Closed forest, not matching any of the other definitions	6	Medium to severe deforestation/degradation and old lands
121	Open forest, evergreen needle leaf	Top layer- trees 15-70 % and second layer- mixed of shrubs and grassland, almost all needle leaf trees remain green all year. Canopy is never without green foliage.	7	Sparse woodlands and grasslands
123	Open forest, deciduous needle leaf	Top layer- trees 15-70 % and second layer- mixed of shrubs and grassland, consists of seasonal needle leaf tree communities with an annual cycle of leaf-on and leaf-off periods	8	Open to dense woodlands
122	Open forest, evergreen broad leaf	Top layer- trees 15-70 % and second layer- mixed of shrubs and grassland, almost all broadleaf trees remain green year round. Canopy is never without green foliage.	9	Degraded closed woodlands and forests
124	Open forest, deciduous broad leaf	Top layer- trees 15-70 % and second layer- mixed of shrubs and grassland, consists of seasonal broadleaf tree communities with an annual cycle of leaf-on and leaf-off periods.	10	Closed woodlands and forests
125	Open forest, mixed	Open forest, mix of types	11	Water
126	Open forest, unknown	Open forest, not matching any of the other definitions	12	Wetlands
20	Shrubs	These are woody perennial plants with persistent and woody stems and without any defined main stem being less than 5 m tall. The shrub foliage can be either evergreen or deciduous.		
30	Herbaceous vegetation	Plants without persistent stem or shoots above ground and lacking definite firm structure. Tree and shrub cover is less than 10 %.		
90	Herbaceous wetland	Lands with a permanent mixture of water and herbaceous or woody vegetation. The vegetation can be present in either salt, brackish, or fresh water.		
100	Moss and lichen	Moss and lichen		
60	Bare / sparse vegetation	Lands with exposed soil, sand, or rocks and never has more than 10 % vegetated cover during any time of the year		
40	Cultivated and managed vegetation/agriculture (cropland)	Lands covered with temporary crops followed by harvest and a bare soil period (e.g., single and multiple cropping systems). Note that perennial woody crops will be classified as the appropriate forest or shrub land cover type.		
50	Urban / built up	Land covered by buildings and other man- made structures		
70	Snow and Ice	Lands under snow or ice cover throughout the year.		
80	Permanent water bodies	Lakes, reservoirs, and rivers. Can be either fresh or salt-water bodies.		





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

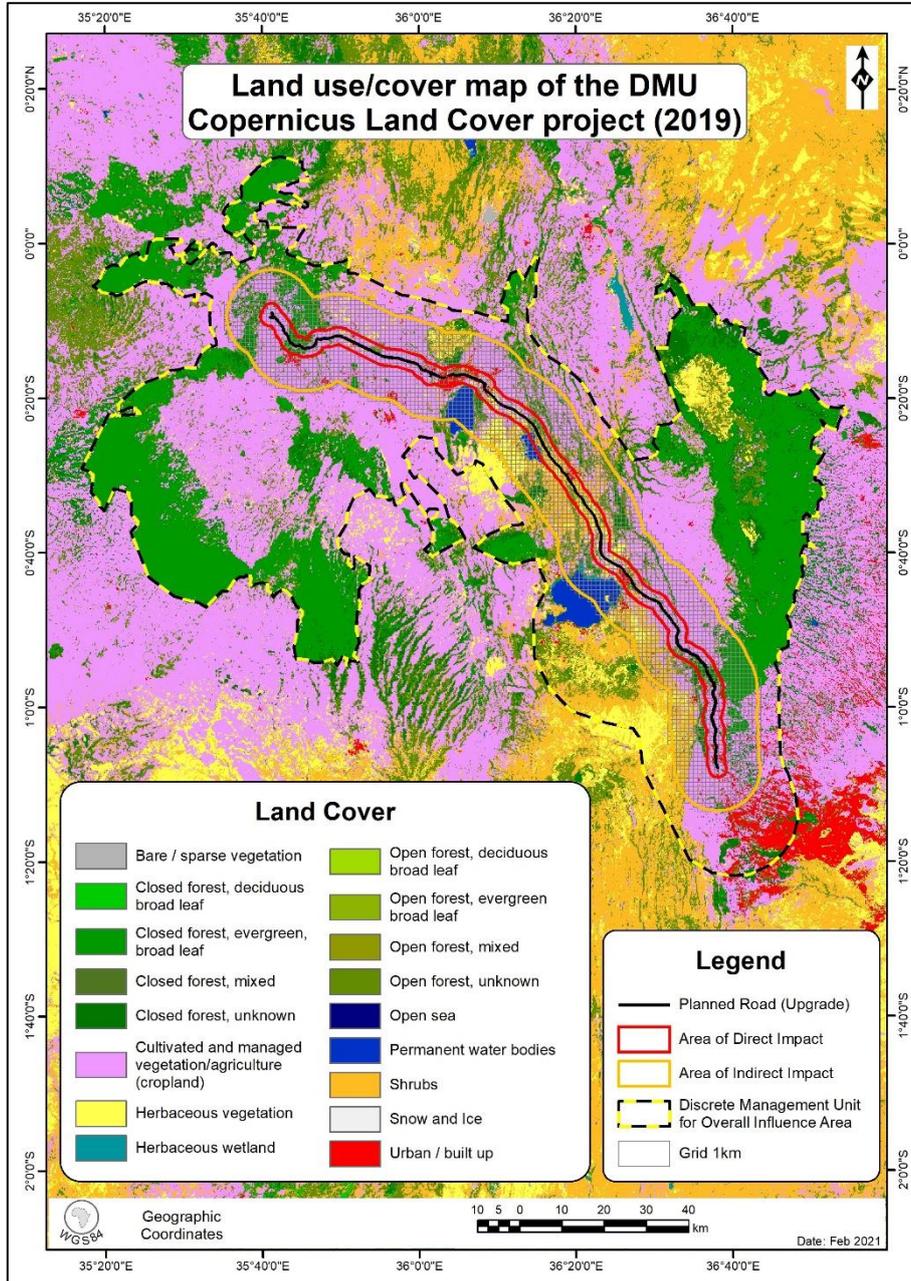


Figure 2: the Copernicus land cover and land use (2019) map interpretation of the situation in the area of interest for the project.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

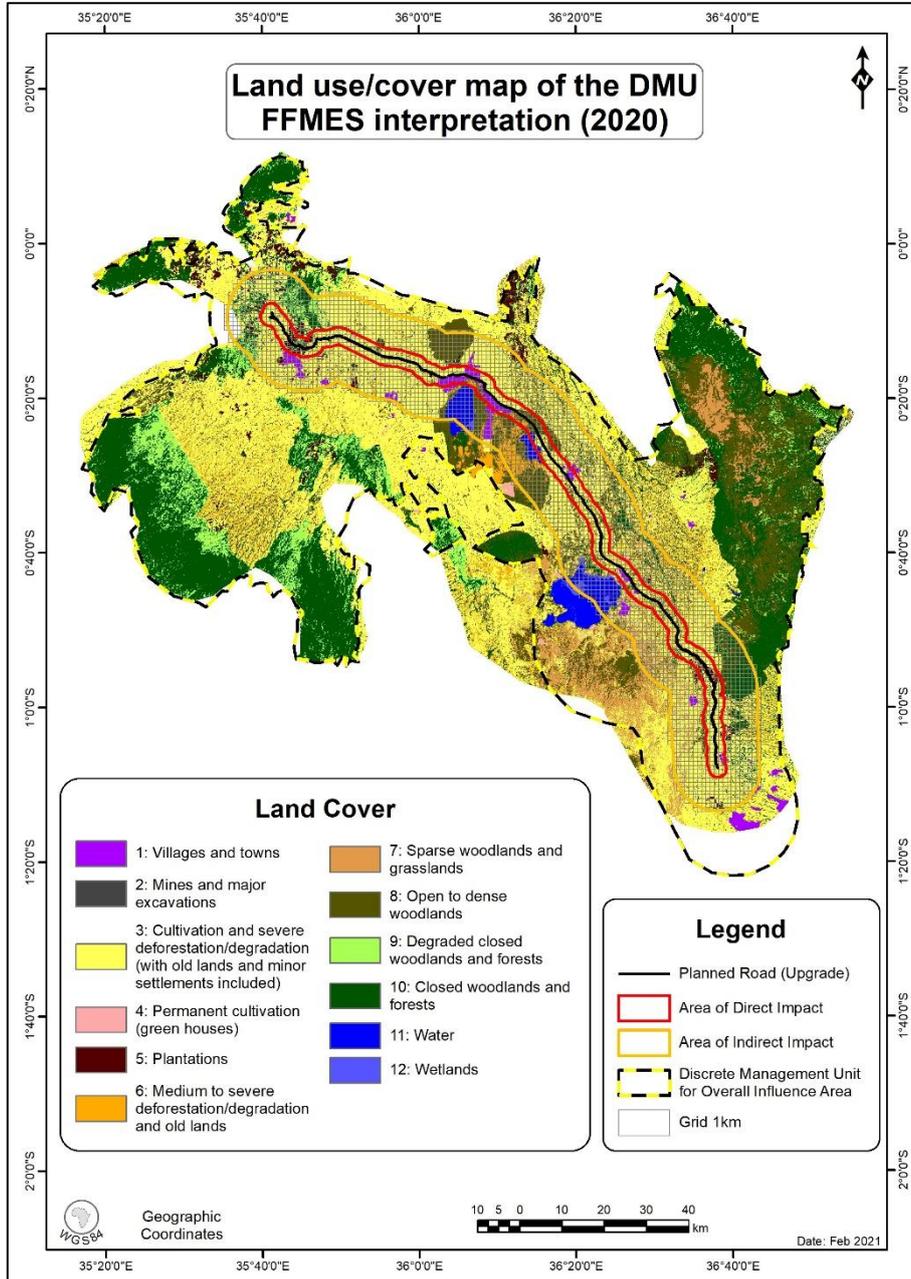
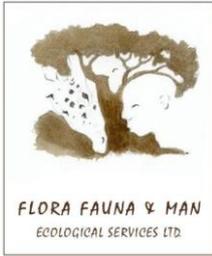


Figure 3: the simplified FFMES based interpretation of land cover and land use (Nov 2020) map of the situation in the area of interest for the project.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

3.3. Preliminary Standardised Biodiversity Sensitivity Analysis (SBSA) classes

To further help with the definition of important areas for sampling, a preliminary Standardised Biodiversity Sensitivity Analysis (SBSA) has been undertaken. The methodological process followed to undertake this analysis is presented in Appendix 1. The output generated represents a classification of the landscape of concern on a scale ranging from 1 (very low sensitivity) to 5 (very high sensitivity). The analysis was undertaken at a scale of 1 ha precision, which allows the targeted selection of sites of higher sensitivity at a high resolution. Figure 4 provides the summary of the analysis in a map format.

4. General sampling strategy.

The “landscape scale” situation for the area to be investigated precludes a census approach or a small areas approach. Hence, a “landscape approach” is required, which typically relies on a grid-based system, where each cell of the grid is considered a potential sampling grid cell (Bourgeron et al., 2001; Hayek and Buzas, 2010). Sampling then needs to occur within a representative number of such grid cells. Based on work conducted in a range of dry landscapes to wet and humid landscapes in Australia, Bourgeron et al. (2001) suggest using a “multistage stratified semi-random sampling” (MSSRS) approach employed over such a grid-based system. The MSSRS is applied to the full extent of the study area, where grid cells represent the basic unit to guide sampling. This approach is considered as optimal to define the study area when it is both vast and complex (Bourgeron et al., 2001) and allows for summarising the landscape in a number of sampling units that can be considered in a rational manner. When confronted with a large and complex study area and faced with time and manpower limitations, Bourgeron et al. (2001) further recommend that a representative section of the study area, representing a minimum of at least 5% of the total study area, needs to be visited in greater depth. When using a sampling grid cells system to represent the landscape of concern, this means that from the total number of grid cells that represent the study area, at least 5% of the grid cells need to be visited and used to lay at least one research location and subject to additional general overview. However, a target of 10% is suggested as closer to what should be considered for an “optimal” overview. This structured approach of simplifying the landscape into a grid system, has been used regularly for large scale studies and has been considered to provide an adequate and representative illustration of a landscape (Hayek and Buzas, 2010; Greenwood and Robinson, 2006; Morris and Emberton, 2009) and its variations considering time and resources available.

For such study areas simplified to grid cell system, a decision is required on the level of detail required. Typically, for areas spanning up to 2,000 km², using a 1 km² grid cell size can be considered as appropriate, however, on larger scale study areas, grid cell sizes may have to be increased to increase exploration affordability (Bourgeron et al, 2001; Hayek and Buzas, 2010). Such a choice needs to be further motivated by the diversity and homogeneity of ecosystems encountered whereby the less diverse and more homogenous ecosystems are, the more judicious it becomes to use a larger grid cell size.

Considering the direct impact area of 980 km² spanning eight broad habitat types as well as 10 land use / land cover classes, the use of a 1 km² grid cell sampling system is deemed adequate. Further considering the 10% target suggested by Hayek and Buzas (2010), an optimal target of 98 sampling grid-cells will need to be visited for terrestrial fields of investigations to ensure the spatial representativeness requirements, although a minimum target of 49 sampling grid cells may also be considered. This 98 sampling grid-cells subset of the study area for direct impact should be subjected to a highly detailed (high number of observations) sample effort in order to have a representative illustration of the landscape (Morris and Emberton, 2009; Greenwood and Robinson, 2006) and its variations. From such a representative sample, extrapolations can be made, with levels of confidence that will have to be defined. For freshwater ecology, as the sampling area represents 361 km², the 10% requirements highlight that 36 sampling grid cells should be visited as an optimal target, while 18 sampling grid cells should be the minimum target.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

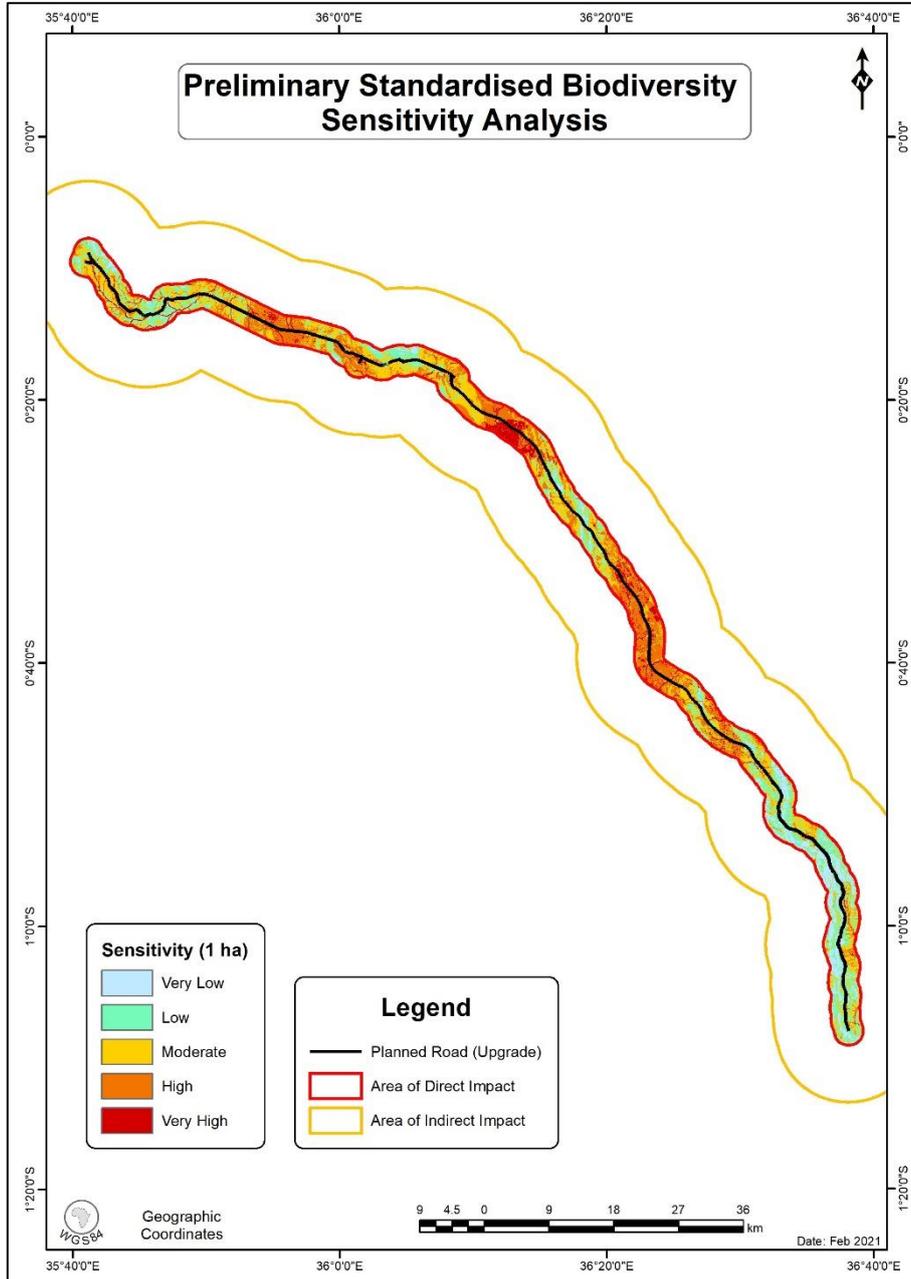
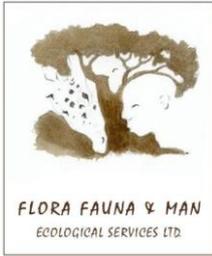


Figure 4: the preliminary SBSA output for the 2 km buffer on either side of the road representing the area of direct impact, as established prior to the biodiversity baseline field visit by the group of biodiversity specialists incorporated by FFMES for the project. A total of three experts incorporated had the opportunity to join a reconnaissance visit, hence providing a higher level of confidence in the output.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Additional sampling for features likely to be affected indirectly needs to be considered in the indirect impact zone. However, sampling for the latter should be concerned with representativeness for the purpose of information required rather than representativeness in the landscape overall.

Because the available baseline reference literature for the study area in Kenya is both outdated and limited in scope (Zhou et al. 2017), the sampling strategy should further leave room for adaptive methodological inputs in the sampling approach (Morris and Emberton, 2009). As such an allowance is made for adaptive (selective) sampling in order to cater for:

- New information obtained during the baseline studies and warranting further research,
- Complement current study pattern if judged insufficient,
- Selective sampling of specific attributes considered necessary.

As a MSSRS approach is suggested, the following should apply:

- Stratification should rely on providing an overview of:
 - o Broad habitat types,
 - o Land cover / land use classes,
- Stages of selection should be further guided by
 - o Within 2 km distance from the main road alignment considered,
 - o Proximity of an access route to ensure the sampling targets can be reached (although 100 m distance away from road or track or human feature should be observed if possible and relevant) and do not represent a logistical impossibility,
 - o Predicted sensitivity for the sampling site location should be the highest possible (plot placement should be preferred within areas ranked with values of 5, 4 & 3),
- Final selection of the sampling location in the field should be left to expert decision, preferably within 100 m of the predicted site assigned through the sampling planning exercise, provided that it fits the stratification requirements.

5. Grid cells sampling.

5.1. Defined sampling area:

As suggested above, the following targets apply for terrestrial work scope

- Total direct impact study area: 980 grid cells of 1 km² or 98,000 ha,
- Defined sampling grid cells: 98 grid cells of 1 km² or 9,800 ha (10 % of study area).

For freshwater ecology work scope, the following targets apply:

- Total direct impact study area: 361 grid cells of 1 km² or 36,100 ha,
- Defined sampling grid cells: 36 grid cells of 1 km² or 3,600 ha (10 % of study area).

5.2. Undefined sampling area – adaptive (selective) sampling strategy:

- Within the same total study area as above, or outside, placement as required once in-depth studies are launched and placement can be refined to complete the defined sampling strategy,
- 15 sampling grid cells of 1 km² (1,500 ha or 2% of direct impact study area) to be located either randomly or subjectively, for terrestrial ecology purposes
- 7 sampling grid cells of 1 km² (700 ha or 2% of direct impact study area) to be located either randomly or subjectively, for freshwater ecology purposes





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

The combination of defined and undefined sampling areas represents >10% of the total direct impact study area where baseline studies will be conducted.

6. Preliminary sampling locations selection.

On the basis of the recommendations made in the previous sections, a preliminary selection of sampling locations fitting the specified stratification and selection stages has been developed. This has culminated in a preliminary list of 442 potential sampling locations and a total of 284 potential sampling grid cells within the study area. The list of potential locations and grid cells, further highlighting habitat types, land use / cover class and sensitivity for the selected location is provided in Appendix 2 as a guide. Appendix 3 provides an overview of the sampling locations as a map system over the study area. Table 3 below provides an overview of the number of potential locations identified per broad habitat class (BHC) and per land cover class (LCC) as well as per sensitivity class.

Table 3: Overview of the potential locations pre-determined for the baseline field surveys, to be used by the survey team to select their field survey locations. The potential locations have been identified using the stratification and selection stages suggested.

Broad habitat classes (BHC)	Descriptions	Land cover classes (LCC) and sensitivity classes												Total per BHC															
		3 CSDD			5 PI			6 MSDDOL			7 SWG				8 ODW			9 DCWF			10 CWF			12 Wtl					
		2	3	4	1	4	2	2	3	4	5	3	4		5	2	5	2	3	4	5	2	3	4	5				
AfmB	Afromontane bamboo (AfmB)	2	4	1	4	2		4	4					5	2					2	4					34			
AfR	Afromontane rainforest (AfR)			3			3	1		3					3							2	1			16			
AUF	Afromontane undifferentiated forest (AUF)			11	13		9		2	14	2			1	15	7		1	5	2	1	3	7	6	99				
ESEBT	Evergreen and semi evergreen bushland and thicket (ESEBT)	2	25	9	2	2			17	13	2	2	3		14	33			10			13	4		151				
EWG	Edaphic wooded grassland (EWG)			6	4		2	1		8					7			4					6		38				
HalV	Halophytic vegetation (HalV)	3							1	2	1			1	2	2					2	2			16				
RWV	Riverine wooded vegetation (RWV)				11					9					21		2		2				9	6	60				
UAWG	Upper Acacia wooded grassland (UAWG)			4	3				6					6				3				6			28				
Total		5	6	50	40	6	18	2	1	6	54	25	2	2	3	2	5	49	63	6	1	18	4	3	7	39	19	6	442
Total / LCC		101			26			86			7			119			29			68			6						

Land cover classes detail:

- 3 CSDD Cultivation and severe deforestation/degradation (with old lands and minor settlements included)
- 5 PI Plantations
- 6 MSDDOL Medium to severe deforestation/degradation and old lands
- 7 SWG Sparse woodlands and grasslands
- 8 ODW Open to dense woodlands
- 9 DCWF Degraded closed woodlands and forests
- 10 CWF Closed woodlands and forests
- 12 Wtl Wetlands

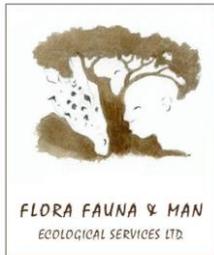
7. Sampling location selection approach

The field survey team leaders will need to evaluate the suggested list of locations for sampling and identify, with respect to their field of investigation, which sampling locations provide the best chances of providing the level of evidence required.

The sampling locations will be selected in pairs, either on the same grid cell or grid cells that are adjacent or closely related in space. This requirement is established to ensure a wet and dry season pattern investigation pattern of the locations in addition to the spatial representativeness.

The sampling locations will be selected to provide a representative balance of the broad habitat classes and the land cover types, considering that a minimum of three sample site per broad habitat class or land cover type is deemed as the absolute lowest sampling effort permissible per type (Larsen, 2016; Kent, 2012; Newton, 2007). Table 4 summarises the area of land in ha per broad habitat class and land cover type in the target study area to consider the levels of





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

representativeness. A possible outline of the number of sampling locations per broad habitat class and land cover type has been provided to target a theoretical figure of 110 locations being visited during the combined field work effort periods (dry season + wet season field work time), assuming 5 locations can be visited per day for the terrestrial aspects.

Table 4: overview of the area (in ha) per broad habitat class and per land cover / land use types in the study area, with summary as a percentage. Sampling targets to be considered per broad habitat class and per land cover / land use types are suggested on a basis of 110 sampling locations ideal target over the two seasons of field work planned.

Area in ha - Land cover types per VECEA habitat types within a 2 km buffer zone around the road alignment

OBJECTID	VECEA Class	1: Villages and towns	3: Cultivation and severe deforestation/deggradation (with old lands and minor settlements included)	4: Permanent cultivation (green houses)	5: Plantations	6: Medium to severe deforestation/deggradation and old lands	7: Sparse woodlands and grasslands	8: Open to dense woodlands	9: Degraded closed woodlands and forests	10: Closed woodlands and forests	11: Water	Total	% of total area in the VECEA class	Sampling targets adjusted to figures and representativeness		
														Veget.	Other	Mammals
1	Afromontane bamboo	0.0	1,288.4	0.0	611.3	209.1	0.4	295.1	1.8	187.9	0.0	2,593.9	3.5%	6	6	6
2	Afromontane rainforest	122.1	321.9	0.0	40.3	10.0	0.0	54.9	0.0	36.1	0.0	585.3	0.8%	6	6	6
3	Afromontane undifferentiated forest	275.1	21,585.8	0.0	1,913.3	1,869.3	49.8	4,150.6	644.6	1,730.6	1.6	32,220.7	43.8%	30	30	30
4	Edaphic wooded grassland	70.9	2,860.9	0.0	26.1	394.6	0.0	108.2	16.5	100.1	0.2	3,577.5	4.9%	9	9	9
5	Evergreen and semi evergreen bushland and thicket	5,229.3	13,783.5	127.6	48.6	1,921.8	141.3	4,485.9	51.3	207.1	55.8	26,052.3	35.5%	20	20	20
6	Freshwater swamp	0.0	114.3	0.0	0.0	20.4	0.0	13.9	0.0	6.3	0.5	155.5	0.2%	6	6	6
7	Halophytic vegetation	0.0	20.6	0.0	0.0	24.5	0.0	29.4	0.0	3.4	35.0	113.0	0.2%	6	6	6
8	Riverine wooded vegetation	106.8	2,751.8	51.0	8.5	572.9	2.7	582.8	22.0	190.0	41.7	4,330.2	5.9%	12	12	12
9	Upper acacia wooded grassland	14.2	2,704.0	64.0	3.1	140.9	0.0	312.3	34.2	103.2	1.1	3,377.0	4.6%	9	9	9
10	Water	3.8	32.8	0.0	0.0	22.7	0.0	25.0	0.0	2.3	395.2	481.8	0.7%	6	6	6
	Total	5,822.3	45,464.0	242.5	2,651.1	5,186.2	194.2	10,058.2	770.6	2,566.9	531.1	73,487.1	100.0%	110	110	110
	% of the total area in the land cover type	7.9%	61.9%	0.3%	3.6%	7.1%	0.3%	13.7%	1.0%	3.5%	0.7%	100.0%				
Sampling targets adjusted to figures and representativeness		12.0	23.0	6.0	9.0	13.0	6.0	20.0	6.0	9.0	6.0	110				
		12.0	23.0	6.0	9.0	13.0	6.0	20.0	6.0	9.0	6.0	110				
		12.0	23.0	6.0	9.0	13.0	6.0	20.0	6.0	9.0	6.0	110				

The sampling locations will then be selected to ensure that the highest levels of sensitivity are selected first in the available group of sampling locations suggested, to ensure that the maximum potential for contact with biodiversity is incorporated.

8. Baseline ecosystem and habitat definition related studies strategy within the sampling grid cells.

8.1. General considerations

These studies essentially rely on the vegetation studies accompanied by data collection on relevant ecological factors (Morris and Emberton, 2009) to define all habitats types found in the study area in a representative manner.

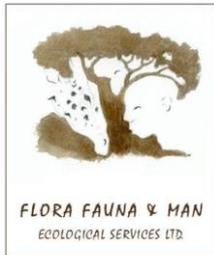
These studies focus on vegetation as it is an obvious and non-mobile element of biodiversity that is:

- Easy to sample (non-mobile and easily identified) (Kent, 2012; Sutherland, 2006; Newton, 2007);
- Long lived and therefore representative of 50 years timeframes dynamics within which most development projects fall (Newton, 2007),
- Dynamic, with relatively rapid response to disturbance (Newton, 2007),
- Sensitive and species rich (Sutherland, 2006; Morris and Emberton, 2009),
- The basic supply of habitats (structural diversity) for mobile organisms and therefore a good surrogate to define potential mobile organisms diversity (Morris and Emberton, 2009),

These studies need to provide an overview of variations, structure, function, sensitivity, and integrity of the habitats in order to establish habitat and ecosystem quality and the potential for 1) provisioning, 2) regulating and 3) supporting ecosystem services (IFC performance standard N°6, 2012).

Based on previous experience and using Larsen (2016) recommendations for standardized core methods for Rapid Biological Assessments as well as the best practice guidelines for undertaking biodiversity baseline studies (Gullison et al. 2015), at the field work level the following work is suggested:





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

- General ecological habitat description per structural group of vegetation:
 - o Height for emergent, canopy and sub canopy and ground level canopies for trees, shrubs and grasses,
 - o Cover for emergent, canopy and subcanopy and ground level canopies for trees, shrubs and grasses,
- Braun Blanquet phyto-sociological surveys:
 - o Genus and species identification,
 - o Cover abundance value per species per site,
- Abundance of woody species surveys, including dead wood, to define biomass content, and forestry /carbon sequestration potential,
- Baseline environmental parameters:
 - o Slope,
 - o Geo-morphology,
 - o Aspect,
 - o Wetness index,
 - o Soil clay fraction,
 - o Light,
 - o Noise,
 - o Humidity,
 - o Litter depth,
 - o Cavities abundance,
- Fragmentation index;
- Degradation index;
- Mobile biodiversity species encounters;
- Ecological functionality;
- Evaluation of human influence and any human related removals, such as:
 - o Cut stems index,
 - o Honey gathering evidence,
 - o Harvesting signs,
 - o Snares and traps records,
 - o Constructions and infrastructures index,
 - o Footpath index.

This work will be undertaken through a 0.06 ha plot of 10 m by 60 m “small plot” investigation. Such small plots are considered as a new standard for biodiversity baseline investigations in relation to vegetation work (Larsen, 2016). Moreover, rectangular plots are considered as more efficient to capture diversity than square plots (Kent 2012; Newton, 2007), while they reduce the impact of large tree shading on the sampling zone. As far as feasible, plots will be placed at least 100 m away from roads and human presence sites to limit such influences.

In addition to the “formal” plot survey sampling, an “informal” sampling approach will be kept in parallel. This will consist of keeping up a study area plant list, which will inform all species encountered while travelling to and from plots. Moreover, a basic description of habitats will be undertaken for all grid cells traversed by road to reach survey sites, to further complement descriptions from formal sampling.

8.2. *Scaling of the field work effort*





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

As replicate number is a key feature, the team undertaking the sessile lifeform surveys will aim to cover at least 5 plots per day as a minimum. This will provide an expected overview of at least $5 \times 10 = 50$ locations visited during the dry season field period and $5 \times 12 = 60$ locations during the wet season (total for wet and dry season = 110 locations visited). The plots/locations will be spread over the planned 98 sampling grid cells, or more if feasible. The following requirements will further be observed to ensure representativeness:

- All broad habitat types encountered in a sampling grid cell should be sampled,
- All land cover combinations per habitat type should be represented,
 - o Minimum aim (if technically feasible) of 1 survey plot per habitat type and per land cover class encountered in the sampling cell,

9. Baseline “mobile biodiversity” (fauna) definition studies strategy within the sampling grid cells.

9.1. General considerations

These studies essentially rely on the fauna identification studies accompanied by data collection on relevant ecological factors (Morris and Emberton, 2009).

These studies are inherently limited due to the following aspects:

- Number of lifeforms is substantial and number of species is high,
- Different taxa require highly different sets of skills and methods that are not necessarily compatible (Morris and Emberton, 2009),
- Many species are inconspicuous, elusive, fugitive, nocturnal or highly seasonal (Morris and Emberton, 2009),
- Species tend to use many different habitats or sections of the same habitat for different functions depending on the lifecycle they are in, which makes their study highly complex (Morris and Emberton, 2009),
- Many species are highly mobile and can move long distances in short timespans that may defeat all efforts of identification during restricted timelines of study periods (Morris and Emberton, 2009),
- As a result, distribution and abundance is complex to determine unless long periods encompassing potential variations in the species lifecycles are considered, this is usually impossible for initial baseline studies and can be considered better suited to monitoring studies (Morris and Emberton, 2009).

The definition of broad habitat types presented in this document will be used to ensure representativeness within such units, although simplification may be required and considered to ensure the effort requirement is not impossible. For mobile biodiversity studies it may be more judicious to focus on “structural” groups of habitats as recommended in Morris and Emberton (2009). These structural groups of habitats are expected to correspond better to the land use and land cover classification presented earlier in the present document.

In a general manner, these “mobile biodiversity” studies, due to their inherent limitations, need to provide an overview of:

- Presence / absence of notable species / target groups – taxa,
- Definition of keystones / umbrella / landscape species,
- Indicator species identification or definition,
- Importance of species for the site under consideration,
- Limited indications of abundance and distribution (study time and effort limitation),
- Limited indication of species richness / diversity,

9.2. Specific considerations





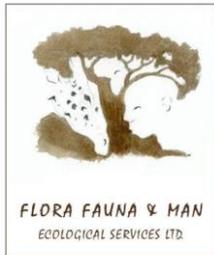
FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Based on previous experience and using Larsen (2016) recommendations on standardized core methods for Rapid Biological Assessments, at the field work level the following methodologies, singly or in combination (preferably) would be considered and employed whenever feasible:

- Mammals (excluding bats):
 - Walked recce transects (200 – 500 m depending on habitat type) for direct and indirect observations of small, meso and macro mammals, ensuring that each broad structural habitat type is visited at least once;
 - Timed (15 to 20 minutes) point counts at the end of each transect, where all mammals within species definition sighting distance of the observer using binoculars will be recorded (presence and number);
 - Live trapping of micro and small mammals using Sherman live traps;
 - Three trap arrays of 40 traps each will be deployed,
 - One trap array will be used per location, using an L shape of 10 traps by 30 traps or a square shape of 10 traps per side,
 - Traps will be baited with a combination of:
 - Meat based baits to attract carnivores;
 - Seed based baits to attract herbivores;
 - The use of pitfall traps will be considered in some locations, however, this will be evaluated on a case by case basis and may only be deployed during the wet season after consideration of the dry season results.
 - Roadkill surveys, using a combination of:
 - Specified sectors evaluation with one visit every three to five days;
 - Ad hoc records by all team members during the field work period;
 - Mobile network of camera traps for meso and macro mammals,
 - A total of up to 50 camera traps will be deployed as arrays of 5 units on a location (10 sites per deployment period) and all arrays (or a selection) will be moved every 4 – 5 days to another location.
 - Seasons of trapping may be considered if camera traps can be deployed in areas with low risk of theft. In this case, some arrays may remain in position for 6 weeks between the two field seasons planned.
 - Fixed network of camera traps for meso and macro mammals,
 - A total of 50 camera traps will be placed using a stratified system based on the 1 km² grid. These cameras will be deployed in secure areas, which are considered as the conservation areas or multi use areas where land tenure is under responsibility of a limited number of people and where conditions provide a reasonable chance to keep cameras in place for at least 4 months.
 - These cameras will be deployed according to the grid pattern within 2 km of the road within the conservancies highlighted in the rift valley portion of the road alignment, namely:
 - Soysambu conservancy;
 - Marula estates farms and conservancy;
 - Whilst the cameras will be positioned in a manner that allows for the sampling of the broad habitat types, and will be targeting open spaces to maximise the chances of capturing passing wildlife. Cameras will be set to trigger on motion sensor activation and through regular interval timed trigger to cater for detection of passing wildlife beyond sensor distance.





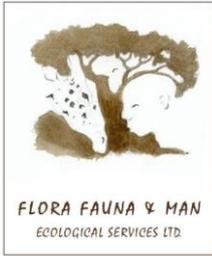
FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

- Ad hoc observations from all team members whilst conducting their own surveys during the field work period.
- Avifauna:
 - Fixed point observations at peak activity times,
 - Timed counts on habitat defined sectors, by day and night (using records of calls at night)
 - Itinerant observations on habitat discovery transects at various times of the day,
 - Camera trapping on water points (in collaboration with mammals survey),
 - Timed night driving transects on tracks for nocturnal species,
 - Ad hoc observations from all team members whilst conducting their own surveys during the field work period.
- Herpetofauna (amphibians and reptiles)
 - Walked recce transects by day and night for direct and indirect observations, ensuring that each broad structural habitat type is visited at least once,
 - Fixed point and timed counts using listening devices and “sound” identification,
 - Live trapping using pitfall trapping (if possible to setup) and funnel trap trapping arranged in trap array systems with drift fences. This approach will be deployed during the wet season when this capture method is most effective and the dry season survey period will enable the consideration of the best sampling locations to deploy this technique. This technique will be deployed with an attention to also capture shrews and mice as a complement for the mammal study.
- Invertebrates:
 - Sweep net capture of odonates on wetlands using standardized sweeping transects if substrate allows for the method to be implemented;
 - Photographic record of odonates on wetlands and ponds where possible;
- Fish, freshwater habitat condition and freshwater invertebrates:
 - Capture using an array of nets (fyke nets, cast nets, gill nets, sweep nets, seine nets, in the following habitats:
 - Small scale lotic habitats (headwaters & forest streams),
 - Medium and large-scale lotic habitats (large streams and rivers),
 - Lentic and slow water habitats (lakes, ponds, swamps & floodplains)
 - Purchase of specimens from fishermen,
 - Habitat condition will be assessed using South African Scoring System (SASS) version 5 targeted at benthic macro invertebrates,
 - Water samples to be taken for water quality sampling and a sub sample will be further taken for diatom separation. This will be submitted to an accredited laboratory for analysis upon return,
 - Additional water samples will be taken at rivers, streams, lakes, ponds and dams for environmental DNA (eDNA) analysis. The latter is a highly useful support tool for informing the presence of vertebrates that use water either as their medium for life or as a place for drinking and part of their lifecycle. eDNA allows for the identification of a range of water dependent cryptic or rare species that other methods would not allow to capture in a short amount of time. This work will be undertaken by the freshwater team but will serve to inform all other mobile lifeform investigations. All samples will be send to an accredited laboratory in the UK for analysis,
 - An Intermediate Habitat Integrity Assessment (IHIA) assessment will be performed at all relevant sites.

9.3. *Scaling of the field work effort*





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

As these mobile lifeform surveys take time, a general guideline of 3 to 5 survey sites per day can be expected for terrestrial components (30 to 50 locations visited during the dry season and 36 to 60 locations visited during the wet season). This highlights that 66 to 110 locations may be visited over the course of the two field work periods. The lower figure highlights that a possibility exists for not meeting the 98 sampling grid cells target, however the 5% of the study area minimum required (representing 49 sampling grid cells) will be feasible.

For freshwater systems a target of 1 – 2 survey sites per day can be expected. For the freshwater systems, the study area of relevance has been simplified to only those grid cells where freshwater considerations are relevant, which represents 361 sampling grid cells. The effort is therefore aiming to sample 36 locations within a corresponding number of sampling grid cells as an optimal target and 18 locations within a corresponding number of sampling grid cells as a minimum target. If an average of 1.5 site is reached per day of field work effort, the optimal target may not quite be reached, however the minimum figure will be exceeded.

9.4. Additional details on methods for mobile lifeforms

9.4.1. With regard to mammal studies

Direct and indirect observations will be undertaken. Moreover, the following details on techniques are suggested:

Sherman traps

One trap array will be used per location, using an L shape of 10 traps by 30 traps or a square shape of 10 traps per side,

- Traps will be baited with a combination of:
 - o Meat based baits to attract carnivores;
 - o Seed based baits to attract herbivores;
- The use of pitfall traps will be considered in some locations, however, this will be evaluated on a case by case basis and may only be deployed during the wet season after consideration of the dry season results.

Each of the Sherman traps arrays will be placed at their location within the study area for a period of several nights (expected 3 nights, exact duration to be determined once in location).

Bait used will be sardines for carnivores or a peanut butter, vegetable oil, and oats mix for herbivores. Baiting will be distributed to favour herbivores with an expected 30 traps per array receiving the herbivore bait.

The use of Sherman traps to sample small mammal populations is necessary in order to comply with minimum sampling requirements for regional and international conservation authority standards.

Spoor tracking and scat collection

Spoor tracking enables detailed sampling of mammalian species without the need for trapping or direct observation. All spoors, including footprints, den sites, burrows, hairs, scrapings and diggings should be recorded and documented by detailed photography. Spoor tracking enables data to be processed on two distinct levels.

- a) Spoor count indices enable certain species to be counted, showing population densities.
- b) Spoor tracking allows for species diversity to be ascertained.

In addition to spoor tracking, predator (owl, jackal, and domestic dog) scats will be collected from within the study area, along the survey lines but also in general. These scats will be examined for the presence of jawbones and teeth for further identification if required.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Camera Survey

Cameras will be set to record 3 images or a 10 sec video clip every time an animal enters the field of vision of the motion sensor (known as an event), with a 30 seconds delay between events. The initial camera trap station locations will be chosen to cover as much of the study area as possible (especially with regards to habitat types). The cameras allocated to the mobile network of cameras will be left for as long a period as possible in a location whilst considering the logistics of deployment and the imperative of sampling a maximum number of locations within the field work period. After a maximum of 5 days, cameras should be retrieved, moved to different locations, and images should be downloaded (through a memory card swap) before being reset.

Ad hoc direct observation

All mammals that are seen and identified without uncertainty during the sampling period by any of the team members should be noted and their geographic coordinates and the surrounding habitat be recorded. Animals will be encountered through driving, normal routine movement through the site, active searching of refugia and finally through spotlighting at night. Some animals may be located through vocalisations.

9.4.2. With regard to avian studies

During the survey, bird species and their respective habitat types should be identified, and where necessary, verified using relevant literature. The occurrence of bird species should also be recorded by means of their calls and other signs such as nests, discarded eggshells, feathers and even road kills. In addition, the expected occurrence of cryptic or elusive species should be verified by the targeted playback of their respective calls (e.g. nocturnal/crepuscular taxa such as owls and nightjars).

In order to obtain information regarding the dominant/typical taxa as well as differences in community composition on the study area, an assessment should be conducted whereby several point counts will be chosen that represent the different natural habitat types on the study area. During each point count, the number of bird species seen within a 60 m radius should be recorded, as well as their respective abundances. Each point count should last approximately 15-20 minutes.

Additional species should also be recorded by means of random transect walks to assist with the direct and indirect observations, ensuring that each structural habitat type is visited at least once per period of activity: night, crepuscular, day.

9.4.3. With regard to reptiles and amphibian studies

Because reptiles and amphibians are ectothermic their behaviour and activity patterns are heavily influenced by climatic conditions, particularly the presence of rain. It is therefore important to conduct a survey over as long a period as possible and ensure that the breeding season (usually summer) is included and that favourable conditions for herpetofauna activity are encountered. A range of methods may be employed for the projected surveys, to ensure the widest possible diversity of species can be encountered.

Pitfall traps

Pitfall trap arrays or funnel trap arrays, depending on the soil conditions, should be placed within the areas where herpetofauna diversity is expected to be greatest within a particular habitat. This will require ground-truthing inspection of several potential sites based on recent remote sensing images of the area. Pitfall traps are very effective in trapping small reptiles, particularly lizards, small snakes and amphibians. Because the trap arrays need to be large, setting up of the pitfall/funnel traps is a laborious and time-consuming process which should require a minimum of two labourers for





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

the construction and for the removal of the pitfall trap arrays. The efficacy of pitfall trap arrays will be increased by the addition of funnel traps along the drift fences.

Active searching

Reptiles should be searched for on foot on either side of transect lines of various lengths within a particular area. Suitable areas should be selected on the basis of:

- Potential reptile diversity;
- Ease of access;
- Cost considerations;

Searches along transects should be conducted during the day only. Searching for reptiles along these transects will involve:

- Lifting up and searching under debris (organic/man-made) or rocks (rocks will be returned to their original position);
- Digging up of suitable burrows that appear to be in use (or using a borescope);
- Scanning for any signs of reptiles such as shed skins, the positive identification of which will be taken as an observation of that species;
- Catching any observed reptile by hand (snakes and slow lizards) or using a noose (fast lizards). All captured reptiles will be photographed and released unharmed;

During the night it is very fruitful to search for reptiles (especially snakes) by driving slowly along roads in the study area and collecting any reptile crossing or basking on the road. This method is particularly effective for covering a large area in a relatively short time span.

Amphibians (frogs and toads) are usually nocturnal and should be searched for by torchlight at night along watercourses, dams and in ponds/wetlands in the area with the help of a sufficiently experienced assistant. Positive identification of acoustic signals (males call to attract females) should also be used as a means of identification. Acoustic signals should be recorded with high-precision recording equipment whenever possible and identification confirmed with existing recordings.

Local knowledge

During a survey it will be important to acquire any local knowledge of herpetofauna species, especially if evidence can be provided (e.g. photographs). Local residents may be interviewed where possible.

The following may thus be undertaken either singly or in combination:

- Direct and indirect observations; ensure that each structural habitat type is visited at least once per period of activity: night, crepuscular, day;
- Walked line transects for direct and indirect observations, 250 – 500 m long, define width surveyed per habitat type,
- Live trapping (pitfall traps), and live capture (direct, nets, seines...),
- Calls surveys,
- Night surveys,

9.4.4. With regard to insects studies

The invertebrate surveys specified for the project will focus on odonates. The odonates communities will be collected by sweeping the grassy layer within all moist and wetland habitats (when present) with a hand net. Each sweep sample





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

should consist of a walked transect of 50 to 100 sweeps. The number of transects will depend on the surface area of each of the habitats sampled. All taxa caught should be identified to Recognisable Taxonomic Units (RTU) or morpho-species.

9.4.5. With regard to freshwater studies – fish and aquatic insects

A pluralistic approach can emphasise differences between ecological communities based on species composition and environmental variables. Elements of these variables such as water quality and biological receptors can be correlated, thus providing an understanding of the spatial and temporal distribution observed, as well as highlighting the cause-effect relationship responsible for variation in communities observed. A range of elements will thus be considered as presented below.

Driver metrics

Driver metrics consist of three main components, these include: geomorphology, hydrology and water quality. Changes in geomorphology and hydrology are often the result of catchment scale impacts and, in some instances, are cumbersome metrics to assess. As a result a habitat integrity surrogate is proposed for these two metrics. The habitat assessments employed should consider the instream and riparian habitat integrity as defined by Kleynhans (1996), as well as fish habitat availability (Kleynhans, 2007). River habitats consist of in-stream and riparian habitat components, which will indicate changes in geomorphology and hydrology. The IHI provides a tool for assessing these habitat types. It incorporates factors and potential impacts, such as water abstraction, flow regulation, bed and channel modification, removal of indigenous riparian vegetation as well as encroachment of alien vegetation.

Water Quality

Chemical monitoring of water quality should at least include all constituents that require legal compliance listed in the local standards. If local guidelines are absent, analysis of major cat- and anions will aid in hydrochemical characterisation. Major ions to include are Calcium, Magnesium, Sodium, Potassium, Sulphate, Carbonate, Bi-Carbonate and Chloride.

Phytoplankton

Diatoms are microscopic, unicellular algae and are used as indicators of water quality as they respond rapidly to specific physico-chemical conditions in water.

Invertebrates

Aquatic macro-invertebrates have been used to assess the biological integrity of stream ecosystems with relatively good success throughout the world (Rosenberg and Resh, 1993). Aquatic macro-invertebrate assemblages and communities offer a good reflection of the prevailing flow regime and water quality in a river. In addition they form an essential component of the riverine ecosystem .

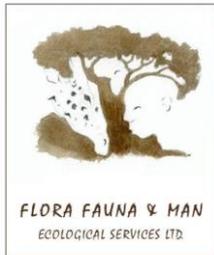
Fish

Fish communities possess numerous characteristics that render them important in the assessment of ecological integrity. The cause effect relationship between particular drivers (velocity depth classes, cover, flow modification and water quality) and fish responses will highlight an impact on fish assemblages induced by discharge activity.

The following group of methods will thus be used, singly or in combination:

- Direct observations;
- Ensure that each structural habitat type is visited at least once per period of activity: night, crepuscular, day;





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

- Ensure that upstream and downstream points of current impact sites are surveyed;
- Live capture (using direct capture, electric shocking, fyke nets, cast nets, gill nets, sweep nets, seine nets),
- Define and record functional habitat parameters (nesting habitat, feeding habitat, resting habitat, breeding habitat),
- Night surveys,
- Physico-chemical parameters of water at each survey plot,

10. References cited and/or consulted

- Bourgeron, P.S., Humphries, H.C. & Jensen, M.E. 2001. Representativeness assessments. Pp 292 – 306. In: *A guidebook for integrated ecological assessment*. Eds: Jensen, M.E. & Bourgeron, P.S. Springer Verlag.
- Bourgeron, P.S., Humphries, H.C. & M.E. Jensen 2001. General data collection and sampling design consideration for integrated regional ecological assessments. Pp 92-107 In: *A guidebook for Integrated Ecological Assessment*. Eds. Jensen, M.E. & Bourgeron, P.S. Springer Verlag. ISBN: 0-98582-4.
- Greenwood, J.J.D. & Robinson, R.A, 2006. Principles of Sampling & General Census Methods. Pp 11 – 185; in: *Ecological Census Techniques, A Handbook, 2nd Edition*. Ed: Sutherland, W.J. Cambridge University Press, Cambridge, UK. ISBN: 13-978-0-521-60636-3.
- Gullison, T., Hardner, J., Anstee, S., & Meyer, M. 2015. Good practices for the collection of biodiversity baseline data. International Council on Mining and Metals.
- INTERNATIONAL FINANCE CORPORATION PERFORMANCE STANDARDS 6. 2012. *Biodiversity Conservation and Sustainable Management of Living Natural Resources*. <http://www.ifc.org/06042015>
- Hayek, L. A. C., & Buzas, M. A. 2010. *Surveying natural populations: quantitative tools for assessing biodiversity*. Columbia University Press.
- Kent, M. 2012. *Vegetation description and data analysis, a practical approach*. Wiley-Blackwell Publishers, Chichester, UK.
- Kindt, R., van Breugel, P., Lillesø, J.-P.B., Bingham, M., Sebsebe Demissew, Dudley, C., Friis, I., Gachathi, F., Kalema, J., Mbago, F., Minani, V., Moshi, H.N., Mulumba, J., Namaganda, M., Ndangalasi, H.J., Ruffo, C.K., Jamnadass, R. and Graudal, L. 2011 *Potential natural vegetation of eastern Africa. Volume 2: Description and tree species composition for forest potential natural vegetation types*. Forest & Landscape Working Papers no. 62-2011
- Larsen, T.H. 2016. *Core standardised methods for rapid biological field assessment*. Conservation International.
- Morris, P. & Emberton, R., 2009. Ecology. Pp 235 – 293; In: *Methods of Environmental Impact Assessment*, 3rd Edition. Eds: Morris, P. and Therivel, R. Routledge, New York, USA. ISBN10: 0-415-44175-7.
- Morrison, M. L., Block, W. M., Strickland, M. D., Collier, B. A., & Peterson, M. J. 2008. *Wildlife study design*. Springer Science & Business Media.
- Newton, A.C. 2007. *Forest Ecology and Conservation, A handbook of Techniques*. Oxford University Press, Oxford, UK. ISBN: 978-0-19-856745-5.
- Pianosi, F., Beven, K., Freer, J., Hall, J.W., Rougier, J., Stephenson, D.B. & Wagener, T. 2016. Sensitivity analysis of environmental models: A systematic review with practical workflow. *Elsevier. Environmental modelling & Software*. 79(2016), 214-232.
- Sutherland, T. 2006. *Ecological Census Techniques, A Handbook, 2nd Edition*. Ed: Sutherland, W.J. Cambridge University Press, Cambridge, UK. ISBN: 13-978-0-521-60636-3.
- The Biodiversity Consultancy. 2018. Bennun, L., Serckx, A., Tatum-Hume, E. & Katariya, V. Proposed Proposed Expansion of Rironi-Mau Summit Highway, Kenya: Critical and Natural Habitat Screening and Recommendations for Biodiversity Management. Report prepared on behalf of the World Bank. The Biodiversity Consultancy Ltd, Cambridge, UK.



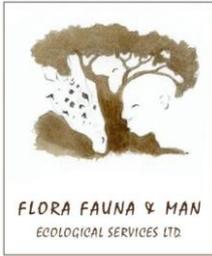


FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

-
- van Breugel, P., Kindt, R., Lillesø, J. P. B., & Graudal, L. 2015. An alternative simplified version of the VECEA potential natural vegetation map for eastern Africa.
- Van Der Ree, R., Smith, D. J., & Grilo, C. (2015). *Handbook of road ecology*. John Wiley & Sons.
- White, F. 1983. The vegetation of Africa. A descriptive memoir to accompany the Unesco/AETFAT/UNSO vegetation map of Africa. <http://geonetwork.grid.unep.ch/08042015>
- Zhou Y., Liu B., Mbuni Y., Yan X., Mwachala G., Hu G. & Wang Q. 2017. Vascular flora of Kenya, based on the Flora of Tropical East Africa. *PhytoKeys* 90: 113–126. <https://doi.org/10.3897/phytokeys.90.20531>





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

11. Appendix 1: Methodological background to the preliminary SBSA

This approach makes use of a model resting on as many landscape features as can be integrated in the form of “small – scale datasets” of relevance for study area, but usually relying on at least the following: geology, topography, soils, vegetation, land use and known infrastructure. Attributes within each landscape feature are ranked from one (1 – very low) to five (5 – very high) in terms of how a specific attribute within a landscape feature contributes to a specific environmental issue (threatened ecosystem and species, visual). Predictably the model is data dependent and the amount of data and expert inputs used determines the accuracy of the model. In the present case, this exercise – as it rests on available data from literature, preliminary data gathered through a reconnaissance visit and the experience of the team to which it was presented for evaluation – is, therefore, only introductory in its application.

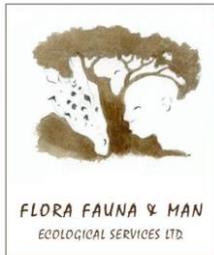
Within the African landscape, a variety of datasets are available ranging in scale from 1: 250 000 (small scale) to 1: 50 000 (large scale), and up to a 100 m pixel resolution; thus, each pixel representing one hectare (1 ha). It is therefore possible to generate initial outlays at broad scale based on digital elevation and Landsat Imagery.

In order to populate the model and obtain reference values for each of the aspects evaluated, environmental specialists are typically asked to rate the environmental attributes per landscape feature from the point of view that is deemed pertinent with respect to their respective fields of expertise. This approach is not limited to the biophysical and technical specialists but can also include the social specialists. Once all the landscape features are rated by the specialists in terms of their field of expertise, the model is executed, recombining the inputs of all experts involved and it provides a relative overview of expected biodiversity sensitivity (Pianosi *et al.*, 2016) for the target study area. Areas of high sensitivity to the group of features evaluated are rated with values of five (5), while areas of low sensitivity are rated with a value of one (1). These results serve here as a guiding element to direct field work towards areas of assumed higher levels of importance and probable presence of higher levels of biodiversity features, hence increasing the chances of detecting species, including rare and elusive species.

For this project, ESRI's ArcView version 10.1 was used to develop the model. The following 11 small scale datasets (or features) were used, representing a total of 76 Variables to evaluate by each specialist:

- Vegetation A – Broad vegetation types according to VECEA (20 variables), evaluated from a broad perspective.
- Vegetation B – Broad vegetation types according to VECEA (20 variables), evaluated from the perspective of suitability for the lifecycle of the species of concern listed by TBC for the study area and DMU (TBC, 2018).
- Vegetation C – Land use and land cover types according to FFMES (12 variables), evaluated from a broad perspective.
- Distance to villages / settlements (6 variables) – representing six classes of distance to such human features and asking the experts how each distance class may influence biodiversity presence in general. This feature was considered important to gauge how the biodiversity lifeforms respond to permanent or near permanent human presence and noise, as well as the associated disturbance effect that may be linked to it (Sutherland, 2006; Morrison *et al.* 2008).
- Distance to rivers or streams or waterlines (5 variables) – representing five classes of distance to the nearest water line (whether a temporary or permanent water system) were defined and the experts were requested to express how this may influence the presence of biodiversity lifeforms. As water availability is a highly sensitive item for the presence of most biodiversity lifeforms in the landscape, this feature was considered important (Sutherland, 2006; Morrison *et al.* 2008).
- Distance to roads or tracks developed by humans (5 variables) – similar representation and request as per distance to villages above. As mobile biodiversity lifeforms may be negatively affected by human presence in the landscape, the presence of roads and tracks, promoting human presence may be a concern and was





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

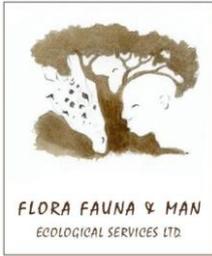
considered as an important element to consider and rank. This also applies to sessile biodiversity lifeforms, as humans will initially select plants nearest to access roads or paths for harvesting (Sutherland, 2006; Morrison et al. 2008).

- Altitudinal classes (8 variables representing altitudinal classes set between a low of 990 m and a high of 3,983 m) – These were defined for the greater landscape and used for assessment. Altitudinal positioning in the landscape may promote the development of local micro climate or conditions of higher endemism, which in turn may be increasingly sensitive to any changes, whether directly related to human presence/use or indirectly (local climate change as a result of dust for example) (Sutherland, 2006; Morrison et al. 2008);
- Slope (analysis in degrees from 0 - >20 degrees) (5 variables: 0 – 5°, 5 – 10°, 10 – 15°, 15 – 20°, >20°) – Slope is a factor of direct use or direct avoidance by a range of lifeforms and can be represented as a refuge habitat in some instances when humans are typically excluded through slope, the variable was therefore considered as important to evaluate (Sutherland, 2006; Morrison et al. 2008),
- Aspect (5 variables: Flat, North, East, South, West) – The general orientation of each pixel in the landscape was defined into these five variable values. The orientation of the landscape in relation to the sun has an influence on vegetation types and associated use of the vegetation by wildlife. This was considered important to assess (Sutherland, 2006; Morrison et al. 2008).
- Wetness Index (based on SAGA GIS software) (5 variables: 1 = Very low moisture to 5 = Very High) – This feature represents a combined analysis of soil moisture (very low to very high) and soil texture (very coarse texture to very fine texture) datasets available to define the following five variables from:
 - Terrestrial - Rocky/ wilting point
 - Terrestrial - Wilting point/ field capacity
 - Transitional - Field capacity/ temporary (seep) wetlands
 - Wetland - Temporary/ seasonal wetlands
 - Aquatic - Seasonal/ permanent wetlands

This is considered an important variable that will dictate the presence of plant species groups and the associated presence of wildlife depending on its affinities for the associated plants and correlated moisture and texture levels (Sutherland, 2006; Morrison et al. 2008).

- Topographical ruggedness (based on SAGA GIS software) (5 variables from very low to very high) – Ruggedness is defined through a further analysis of soil texture and slope, and represents the likely combined presence of topographical level cavities, crevasses and “chaotic nature” formations promoted by increasingly complex associations of slope and ground texture, this is represented through five increasing variables in a way that makes the terrain increasingly complex to cross and use. This feature is an important element of availability of refuge for seeds and many wildlife species at numerous parts of their lifecycle (Sutherland, 2006; Morrison et al. 2008).
- Water Lines length (5 variables to illustrate the length of individual streams or water line before they merge with another and successive increases in size until they form the larger river systems for the landscape) – The presence of water is a key parameter for freshwater ecology but may also dictate the presence and nature of all other lifeforms depending on their level of dependency. Moreover, water lines, depending on their size, may create opportunistic habitat or barriers, and may represent a key parameter for mobile or sessile biodiversity species presence (or absence). This was considered important to identify and assess (Sutherland, 2006; Morrison et al. 2008).
- Landform (Topographic Position Index Analysis) derived from the Shuttle Radar Topography Mission (SRTM) – (10 variables: 1 = Canyons / deeply incised streams, 2 = Midslope drainages, shallow valleys, 3 = Upland drainages / headwaters, 4 = U-shape valleys, 5 = Plains, 6 = Open slopes, 7 = Upper slopes / mesas, 8 = Local ridges / hills in valleys, 9 = Midslope ridges / small hills in plains, 10 = Mountain tops / high ridges) – Each pixel of the study area was tested for its “landform position”. The landform types in a landscape will be typified by





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

presence of different groups of lifeforms, or separate use of landform types for different parts of their lifecycle. This was considered a key criterion to assess (Sutherland, 2006; Morrison et al. 2008).

A total of six evaluations were undertaken in relation to the above list of variables:

- General ecological sensitivity (combining knowledge on vegetation and other life forms, by Ben Orban and Jerome Gaugris),
- Vegetation (by Ben Orban and Jerome Gaugris)
- Birds (by Lukas Niemand),
- Invertebrates (by Lukas Niemand),
- Freshwater, with support from Gina Walsh, freshwater ecology expert,
- Amphibians and reptiles, with support from Marius Burger, Herpetological expert,

All the above GIS small scale datasets layers, whether vector based (shapes) or raster (images) based, were summarised in a spread sheet format to enable the various specialists involved to evaluate the features contained in the raster layers in relation to their field of expertise (fauna, flora and aquatic species) in an objective manner. The approach is considered objective as it removes the expert from the field situation and forces the consideration of the reaction of lifeforms evaluated against a theoretical element.

All variables within each of the 13 small scale datasets were evaluated by the experts on a scale of one to five, where one represents very low sensitivity in relation to the variable considered and five represents a very high sensitivity in relation to the variable considered. All the evaluations conducted by the supporting experts for each small-scale dataset were then added to present a single resulting sensitivity value for each variable of each small-scale dataset.

The sensitivity evaluations for each small-scale dataset were then re ranked against a standard value of 100 to avoid introducing bias towards a small-scale dataset. Each of the datasets were then represented spatially using GIS, whereby each 100 m pixel of the original raster or vector file used was given the corresponding score for the class value that was assigned when developing the datasets. All the spatially represented layers were then combined (summed) to generate a total environmental sensitivity score. This was subsequently re-scaled based on a scale of five classes for simplicity of visualisation, from 1 (very low sensitivity) to 5 (very high sensitivity).





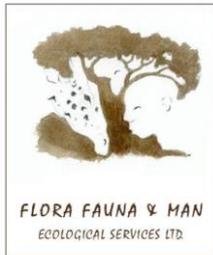
FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

12. Appendix 2: List of potential locations for sampling

Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell	Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell
1	AfR	5	5	CG69B	32	AfmB	3	3	CE64D
2	AfR	8	4	CG69A	33	AfmB	3	3	CE64C
3	AfR	6	4	CG69C	34	AfmB	3	3	CE64A
4	AfR	3	4	CG69D	35	AfmB	3	3	CE64B
5	AfR	3	4	CG70B	36	AfmB	6	3	CE64A
6	AfR	10	4	CG70A	37	AfmB	6	4	CE65A
7	AfR	10	3	CG68C	38	AfmB	6	3	CE64C
8	AfR	5	4	CG69A	39	AfmB	6	3	CE64C
9	AfR	8	4	CG69C	40	AfmB	6	3	CE64A
10	AfR	5	4	CG70A	41	AfmB	6	4	CF67A
11	AfR	8	4	CG69C	42	AfmB	6	4	CF66B
12	AfR	6	4	CG69C	43	AfmB	6	4	CF66B
13	AfR	5	4	CG69A	44	AfmB	8	3	CE66B
14	AfR	3	4	CG69A	45	AfmB	8	3	CE66A
15	AfR	10	3	CG70A	46	AfmB	8	3	CE65C
16	AfR	6	4	CG69A	47	AfmB	8	3	CD65B
17	AfmB	10	4	CD64D	48	AfmB	8	3	CE65C
18	AfmB	10	4	CE65A	49	AfmB	8	4	CF67A
19	AfmB	10	4	CE65B	50	AfmB	8	4	CF65C
20	AfmB	10	3	CE65D	51	EWG	3	5	AB23C
21	AfmB	10	3	CE65A	52	EWG	3	4	AA24B
22	AfmB	10	4	CD64D	53	EWG	3	5	AA24B
23	AfmB	5	4	CD64D	54	EWG	3	5	AB23D
24	AfmB	5	3	CE66A	55	EWG	3	5	AC25A
25	AfmB	5	4	CF67A	56	EWG	3	4	AB24D
26	AfmB	5	3	CE65D	57	EWG	3	4	AC25D
27	AfmB	5	3	CE65C	58	EWG	3	4	CC63C
28	AfmB	5	3	CE65C	59	EWG	3	4	CC63A
29	AfmB	3	4	CD63D	60	EWG	3	4	CC64B
30	AfmB	3	2	CE66C	61	EWG	5	4	CB60B
31	AfmB	3	2	CE66D	62	EWG	5	4	AC25D
					63	EWG	5	5	AB24D
					64	EWG	6	4	AC24C
					65	EWG	6	4	AB25B



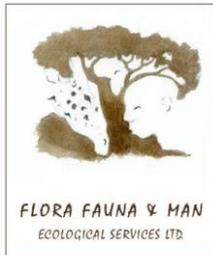


FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell	Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell
66	EWG	6	4	AA24D	101	AUF	3	5	BX56C
67	EWG	6	4	CC63D	102	AUF	3	5	BW55C
68	EWG	6	4	CC63B	103	AUF	3	5	BW55A
69	EWG	6	4	CD63C	104	AUF	3	5	BV54D
70	EWG	6	4	CD63C	105	AUF	3	5	AV30D
71	EWG	6	4	CC63D	106	AUF	3	5	AV30A
72	EWG	8	4	AB24B	107	AUF	3	5	AU29C
73	EWG	8	4	AB25B	108	AUF	3	5	AR28C
74	EWG	8	4	AA24B	109	AUF	3	5	AQ28C
75	EWG	8	4	AB23C	110	AUF	3	5	AG26D
76	EWG	8	4	AB24D	111	AUF	3	4	AC26B
77	EWG	8	4	AC25C	112	AUF	3	4	AC26B
78	EWG	8	4	AC26B	113	AUF	5	4	AD26C
79	EWG	9	2	AA23B	114	AUF	5	4	AE27A
80	EWG	9	2	AB23A	115	AUF	5	4	AE27D
81	EWG	9	2	AB23D	116	AUF	5	4	AE27B
82	EWG	9	2	AB23A	117	AUF	5	4	AD27B
83	EWG	10	4	CC63D	118	AUF	5	4	AF27D
84	EWG	10	4	CC64B	119	AUF	5	4	AG26A
85	EWG	10	4	CD63C	120	AUF	5	4	CD64C
86	EWG	10	4	CC63C	121	AUF	5	4	BZ59A
87	EWG	10	4	AA24B	122	AUF	6	4	BZ59B
88	EWG	10	4	AA24B	123	AUF	6	4	CA60D
89	AUF	3	5	CF76B	124	AUF	6	4	CA62B
90	AUF	3	4	CF77B	125	AUF	6	4	CC64D
91	AUF	3	4	CG77C	126	AUF	6	5	CF69B
92	AUF	3	4	CF74C	127	AUF	6	3	CA62D
93	AUF	3	4	CF73B	128	AUF	6	3	CB60C
94	AUF	3	4	CF72D	129	AUF	6	4	CA60A
95	AUF	3	4	CF72A	130	AUF	6	4	BY57D
96	AUF	3	4	CF71B	131	AUF	6	4	AU29C
97	AUF	3	4	CF70B	132	AUF	6	4	AT29D
98	AUF	3	5	CF68D	133	AUF	6	4	AS28C
99	AUF	3	5	CF68B	134	AUF	6	4	AS28D
100	AUF	3	4	CD64A	135	AUF	6	4	AG26B



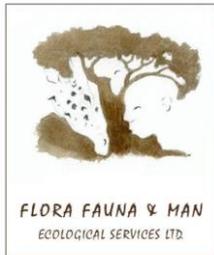


FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell	Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell
136	AUF	6	4	AG27A	171	AUF	10	4	AA22C
137	AUF	6	4	AF27B	172	AUF	10	5	AD26C
138	AUF	6	4	AF27D	173	AUF	10	5	AD27A
139	AUF	6	5	AC26D	174	AUF	10	5	AE26D
140	AUF	9	5	AA22D	175	AUF	10	4	AF27C
141	AUF	9	5	AA22C	176	AUF	10	5	AF27C
142	AUF	9	3	AB22C	177	AUF	10	4	AF27B
143	AUF	9	4	AD26A	178	AUF	10	5	AG26C
144	AUF	9	4	AD24C	179	AUF	10	4	BZ59B
145	AUF	9	4	AD27D	180	AUF	10	5	BZ59B
146	AUF	9	4	AE27A	181	AUF	10	4	CA59A
147	AUF	9	4	AE27D	182	AUF	10	3	CB63A
148	AUF	8	4	CG69A	183	AUF	10	4	CF68B
149	AUF	8	4	CF69B	184	AUF	10	3	CF69A
150	AUF	8	4	CF68D	185	AUF	10	2	CF70A
151	AUF	8	4	CF68C	186	AUF	10	3	CF74A
152	AUF	8	4	CF67D	187	AUF	10	4	CF70C
153	AUF	8	4	CF67C	188	HalV	3	2	BJ40B
154	AUF	8	2	CB62A	189	HalV	3	2	BK39C
155	AUF	8	4	CA62B	190	HalV	6	5	BH37D
156	AUF	8	4	CA60D	191	HalV	6	4	BH37B
157	AUF	8	4	CA60B	192	HalV	6	4	BG37D
158	AUF	8	4	BZ59D	193	HalV	3	2	BJ40D
159	AUF	8	4	BZ58D	194	HalV	6	2	BJ40B
160	AUF	8	4	BZ58B	195	HalV	10	2	BJ40B
161	AUF	8	4	BZ58C	196	HalV	8	2	BJ40B
162	AUF	8	5	BY57C	197	HalV	10	2	BK39C
163	AUF	8	4	BW55D	198	HalV	8	5	BH37B
164	AUF	8	5	BK37C	199	HalV	8	5	BH37D
165	AUF	8	5	BK38A	200	HalV	8	4	BH37D
166	AUF	8	5	BJ35C	201	HalV	8	4	BH37C
167	AUF	8	5	AV30D	202	HalV	10	4	BH37C
168	AUF	8	5	AU29C	203	HalV	10	4	BH37D
169	AUF	8	4	AT29B	204	RWW	8	5	BH37A
170	AUF	8	5	AH26C	205	RWW	8	5	BG37B



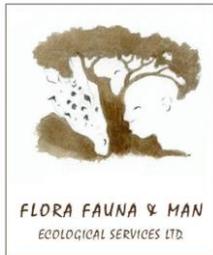


FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell	Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell
206	RWV	8	5	BH37B	241	RWV	3	5	AL26D
207	RWV	8	5	BH37D	242	RWV	9	5	AL27C
208	RWV	8	5	BH37B	243	RWV	9	5	AL27C
209	RWV	8	5	BG37B	244	RWV	9	2	AK26A
210	RWV	8	5	BG37B	245	RWV	9	2	AJ26B
211	RWV	10	5	BH37A	246	RWV	3	5	AM26C
212	RWV	10	5	BG37B	247	RWV	8	5	BS51A
213	RWV	8	5	BJ37C	248	RWV	8	5	BS51C
214	RWV	8	5	BJ37D	249	RWV	8	5	BR51D
215	RWV	6	5	BH37A	250	RWV	8	5	BR50D
216	RWV	8	5	BS49C	251	RWV	8	5	BS50C
217	RWV	10	5	BR49D	252	RWV	8	5	BR50B
218	RWV	10	5	BR50B	253	RWV	8	5	BS50A
219	RWV	10	5	BS50A	254	RWV	8	5	BR49C
220	RWV	10	5	BS52A	255	RWV	8	5	BS51A
221	RWV	10	5	BS51C	256	RWV	8	5	BS52C
222	RWV	10	5	BR52C	257	RWV	8	5	BU54C
223	RWV	10	5	BT53B	258	RWV	12	5	BT54C
224	RWV	3	5	BR52B	259	RWV	12	5	BS54D
225	RWV	3	5	BS52C	260	RWV	12	5	BP53C
226	RWV	3	5	BS53B	261	RWV	12	5	BP53A
227	RWV	3	5	BS52D	262	RWV	12	5	BP53A
228	RWV	3	5	BS52A	263	RWV	12	5	BT54C
229	RWV	3	5	BR51B	264	UAWG	3	5	AN27C
230	RWV	3	5	BR49D	265	UAWG	3	5	AN28A
231	RWV	3	5	BQ49B	266	UAWG	3	5	AP28A
232	RWV	3	5	BS49D	267	UAWG	3	4	AN26C
233	RWV	6	5	BS52A	268	UAWG	3	4	AM27A
234	RWV	6	5	BT53A	269	UAWG	3	4	AM27C
235	RWV	6	5	BS53B	270	UAWG	3	4	AN27B
236	RWV	6	5	BT53B	271	UAWG	6	4	AP28A
237	RWV	6	5	BT53D	272	UAWG	6	4	AN27C
238	RWV	6	5	BT54B	273	UAWG	6	4	AN27C
239	RWV	6	5	BR49C	274	UAWG	6	4	AP28A
240	RWV	6	5	BR51D	275	UAWG	6	4	AN27D



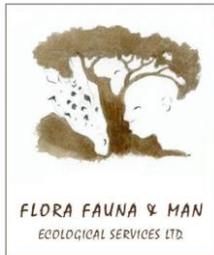


FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell	Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell
276	UAWG	6	4	AP28B	311	ESEBT	8	5	BE33A
277	UAWG	8	4	AN27D	312	ESEBT	8	4	BE34A
278	UAWG	8	4	AN27A	313	ESEBT	8	5	BE34B
279	UAWG	8	4	AP27A	314	ESEBT	8	5	BG35A
280	UAWG	8	4	AN27B	315	ESEBT	8	5	BG35D
281	UAWG	8	4	AN27A	316	ESEBT	8	5	BH36A
282	UAWG	8	4	AN27C	317	ESEBT	8	5	BH36B
283	UAWG	9	4	AJ25D	318	ESEBT	8	5	BH36D
284	UAWG	10	4	AJ25D	319	ESEBT	8	5	BJ36C
285	UAWG	9	4	AJ25D	320	ESEBT	8	5	BJ37A
286	UAWG	9	4	AJ25D	321	ESEBT	8	5	BJ38B
287	UAWG	10	4	AN27C	322	ESEBT	8	4	BK39D
288	UAWG	10	4	AM27B	323	ESEBT	8	4	BK40B
289	UAWG	10	4	AP28A	324	ESEBT	8	4	BL41D
290	UAWG	10	4	AL27B	325	ESEBT	8	4	BM42D
291	UAWG	10	4	AL26B	326	ESEBT	8	5	BP44A
292	ESEBT	5	4	AH26B	327	ESEBT	8	5	BP44C
293	ESEBT	5	3	AJ25C	328	ESEBT	8	5	BP45A
294	ESEBT	5	3	AJ26C	329	ESEBT	8	5	BP45B
295	ESEBT	5	4	AH25D	330	ESEBT	8	5	BP45D
296	ESEBT	9	4	AH25B	331	ESEBT	8	5	BQ46A
297	ESEBT	9	4	AJ25C	332	ESEBT	8	5	BQ46C
298	ESEBT	9	4	AJ25C	333	ESEBT	8	5	BQ46D
299	ESEBT	9	4	AJ26A	334	ESEBT	8	5	BQ47D
300	ESEBT	9	4	AJ26A	335	ESEBT	8	5	BR47D
301	ESEBT	9	4	BW57B	336	ESEBT	8	5	BR47C
302	ESEBT	9	4	BW57B	337	ESEBT	8	5	BR48A
303	ESEBT	9	4	BV56B	338	ESEBT	8	5	BR48D
304	ESEBT	9	4	BV56D	339	ESEBT	8	4	BR49B
305	ESEBT	9	4	BX57C	340	ESEBT	8	5	BS50A
306	ESEBT	8	4	AX30B	341	ESEBT	8	5	BS50D
307	ESEBT	8	4	AY30A	342	ESEBT	8	5	BS52A
308	ESEBT	8	4	AY30C	343	ESEBT	8	5	BT52A
309	ESEBT	8	4	AZ30B	344	ESEBT	8	5	BU53C
310	ESEBT	8	4	BC31D	345	ESEBT	8	4	BU53C



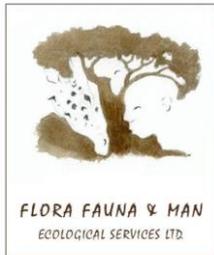


FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell	Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell
346	ESEBT	8	4	BV54A	381	ESEBT	6	4	BV54C
347	ESEBT	8	5	BV56B	382	ESEBT	6	5	BU53D
348	ESEBT	8	5	BW56A	383	ESEBT	6	4	BU53A
349	ESEBT	8	5	BW57B	384	ESEBT	6	5	BT52D
350	ESEBT	8	4	BX57A	385	ESEBT	6	5	BT52A
351	ESEBT	8	5	BX57D	386	ESEBT	6	5	BS52A
352	ESEBT	8	5	BX57D	387	ESEBT	6	4	BS49D
353	ESEBT	10	5	BX57A	388	ESEBT	6	5	BR49A
354	ESEBT	10	4	BX56D	389	ESEBT	6	5	BR48A
355	ESEBT	10	4	BU53D	390	ESEBT	6	4	BR48B
356	ESEBT	10	4	BV53A	391	ESEBT	6	5	BR47D
357	ESEBT	10	5	BU53B	392	ESEBT	6	5	BR47A
358	ESEBT	10	5	BS52B	393	ESEBT	6	4	BP46D
359	ESEBT	10	4	BS51C	394	ESEBT	6	5	BQ46A
360	ESEBT	10	4	BS50D	395	ESEBT	6	5	BR46A
361	ESEBT	10	4	BQ49B	396	ESEBT	6	4	BP44A
362	ESEBT	10	4	BQ47B	397	ESEBT	6	4	BN43D
363	ESEBT	10	4	BQ46D	398	ESEBT	6	5	BL41B
364	ESEBT	10	4	BN42A	399	ESEBT	6	4	BL39C
365	ESEBT	10	4	BL40C	400	ESEBT	6	4	BJ38D
366	ESEBT	10	4	BL39C	401	ESEBT	6	5	BJ37A
367	ESEBT	10	4	BH36D	402	ESEBT	6	4	BJ37D
368	ESEBT	10	5	BG35B	403	ESEBT	6	4	BH36C
369	ESEBT	10	4	AH26D	404	ESEBT	6	4	BH35C
370	ESEBT	7	3	BV56A	405	ESEBT	6	5	BF35B
371	ESEBT	7	3	BV56B	406	ESEBT	6	4	BD33D
372	ESEBT	7	5	BV56D	407	ESEBT	3	4	AJ26B
373	ESEBT	7	4	BW57A	408	ESEBT	3	4	AJ25C
374	ESEBT	7	4	BX57C	409	ESEBT	3	5	AJ26D
375	ESEBT	7	5	BX57C	410	ESEBT	3	4	AW30D
376	ESEBT	7	5	BW57B	411	ESEBT	3	4	AX31A
377	ESEBT	6	4	BX57D	412	ESEBT	3	4	BC31C
378	ESEBT	6	4	BX57B	413	ESEBT	3	4	BC32A
379	ESEBT	6	4	BV55D	414	ESEBT	3	4	BC32D
380	ESEBT	6	4	BV54A	415	ESEBT	3	4	BE34D





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell	Sampling point Pkuid	Habitat types abbreviated (please see descriptions on the right)	Land cover class	Sensitivity (expected)	Grid cell
416	ESEBT	3	5	BF34C	431	ESEBT	3	4	BP44C
417	ESEBT	3	5	BF34D	432	ESEBT	3	5	BP45A
418	ESEBT	3	4	BJ38B	433	ESEBT	3	4	BP45C
419	ESEBT	3	4	BK38C	434	ESEBT	3	5	BP45D
420	ESEBT	3	4	BK39A	435	ESEBT	3	5	BQ47B
421	ESEBT	3	4	BK39A	436	ESEBT	3	4	BR47C
422	ESEBT	3	4	BK39C	437	ESEBT	3	4	BS50B
423	ESEBT	3	4	BK40B	438	ESEBT	3	4	BS52D
424	ESEBT	3	4	BL40C	439	ESEBT	3	5	BT53B
425	ESEBT	3	4	BL41A	440	ESEBT	3	5	BU53C
426	ESEBT	3	4	BL41C	441	ESEBT	3	5	BY57C
427	ESEBT	3	3	BM42A	442	ESEBT	3	4	BX57B
428	ESEBT	3	3	BM42B					
429	ESEBT	3	4	BN43C					
430	ESEBT	3	4	BN44B					

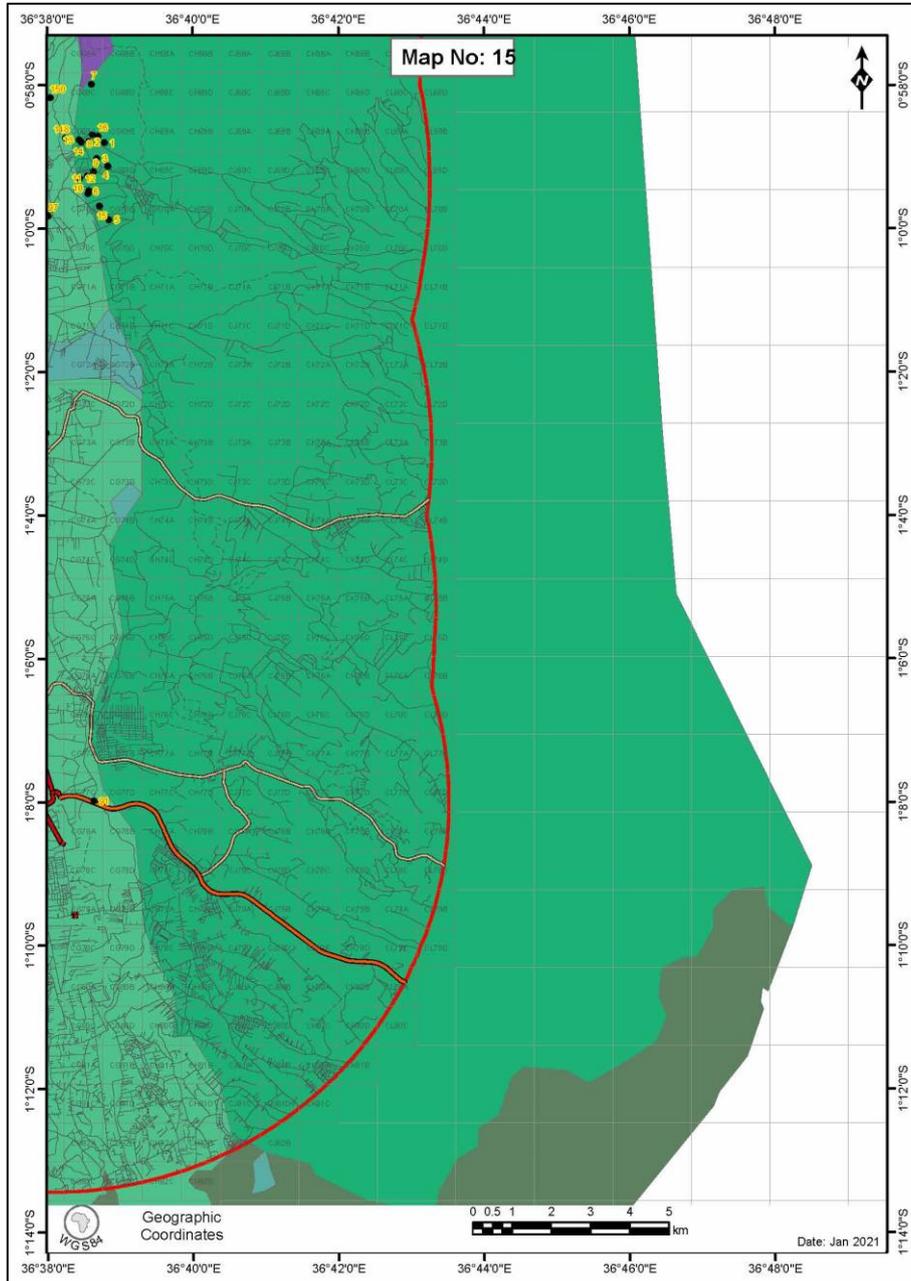


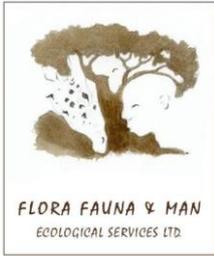


FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.

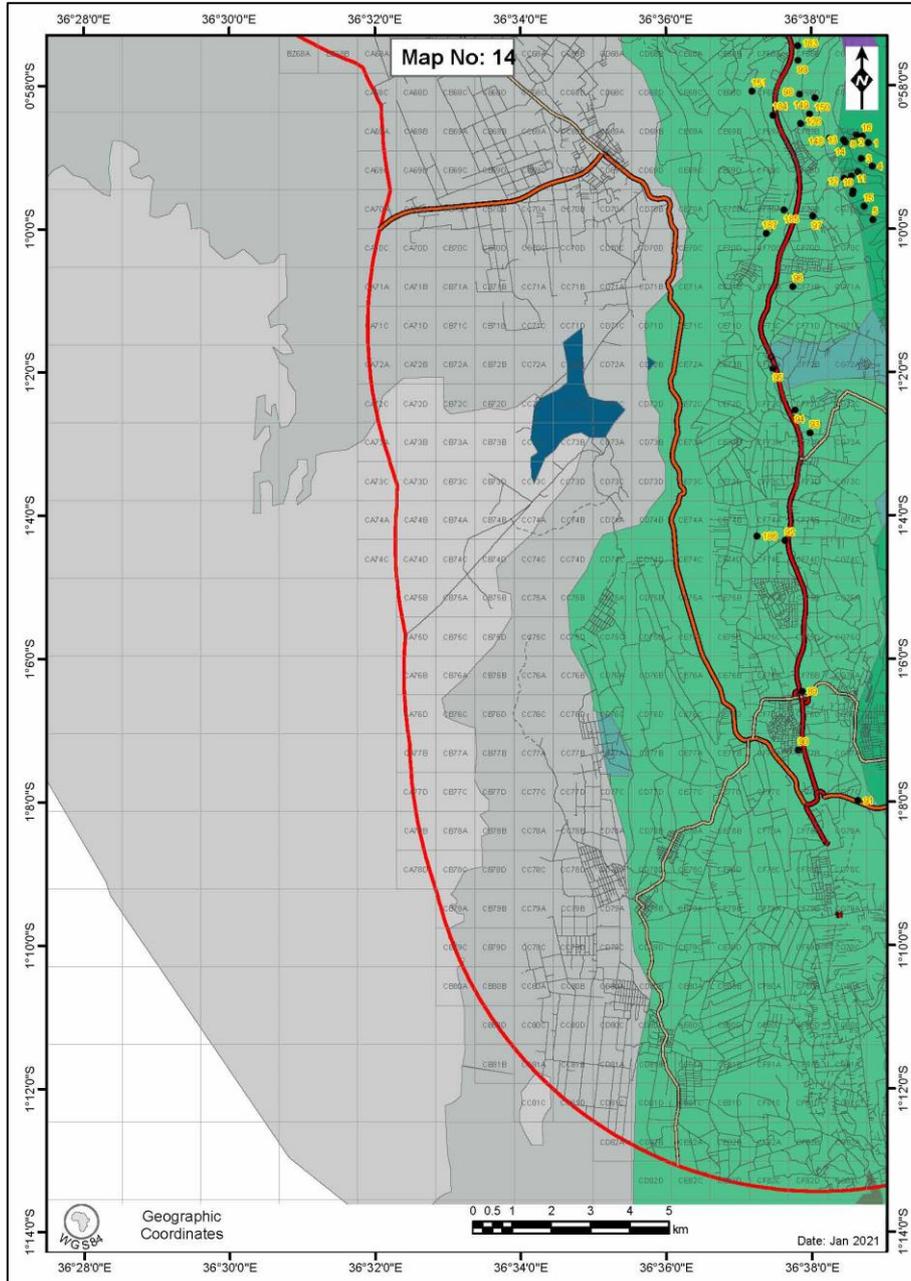
13. Appendix 3: Maps for the study area and the proposed sampling locations





FLORA FAUNA & MAN

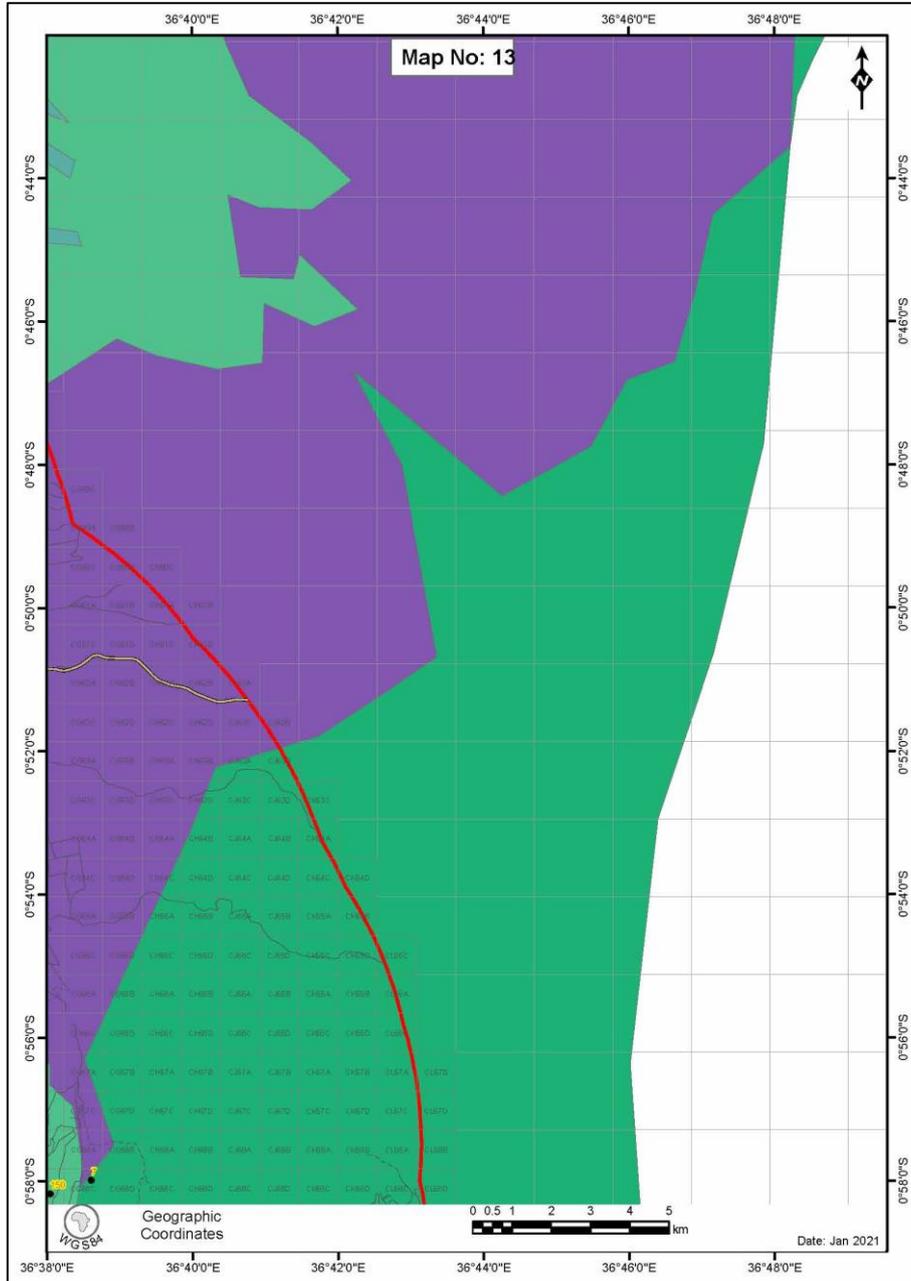
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

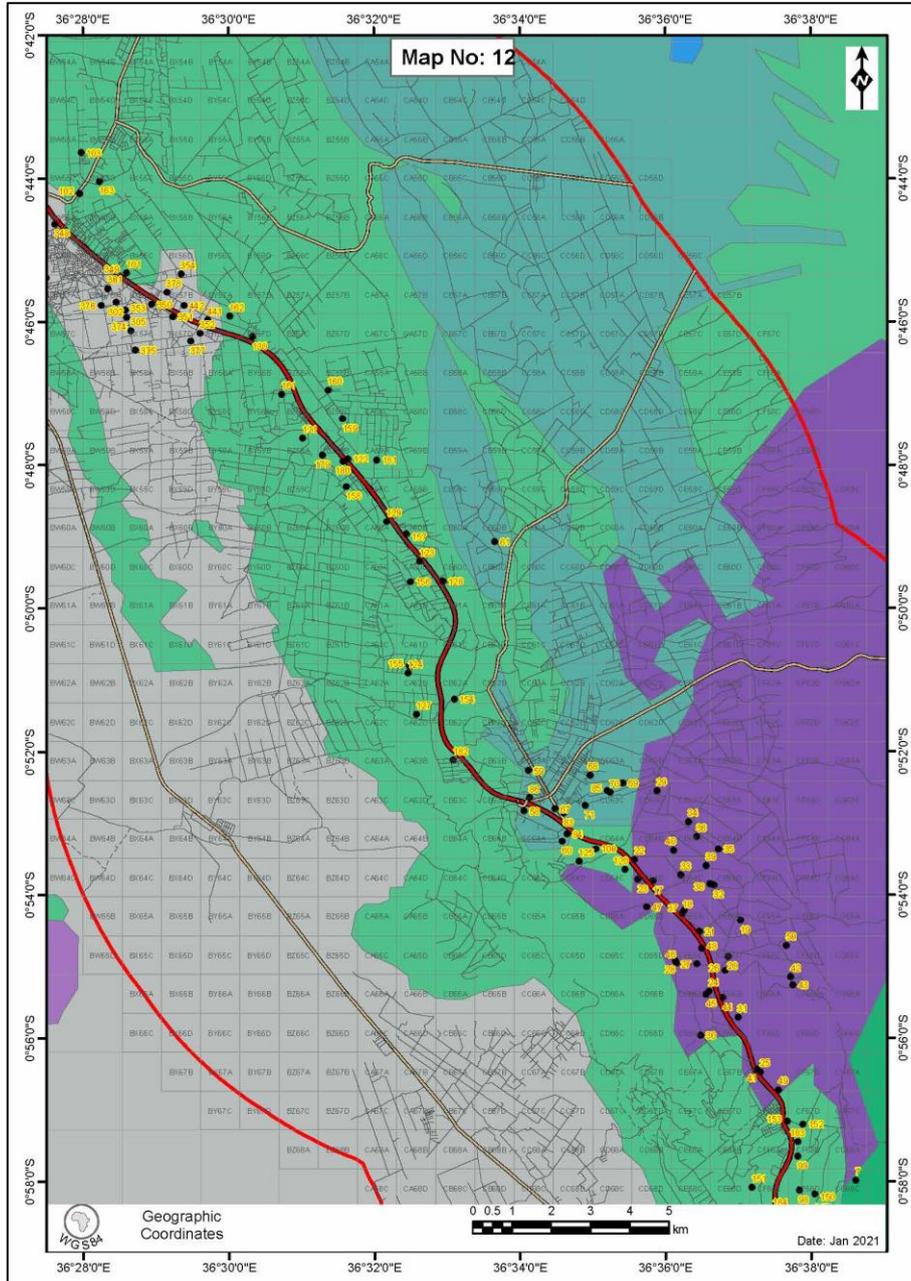
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

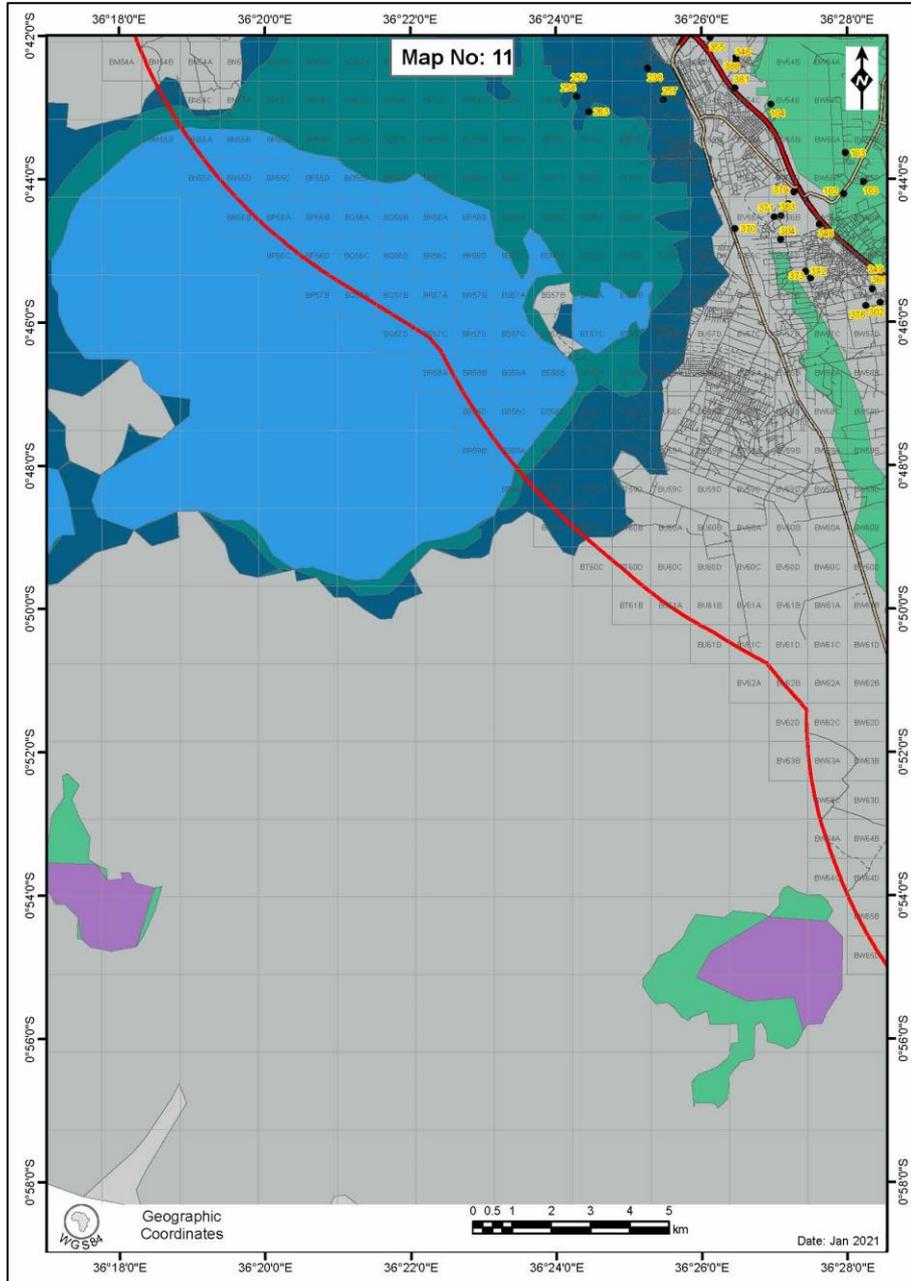
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

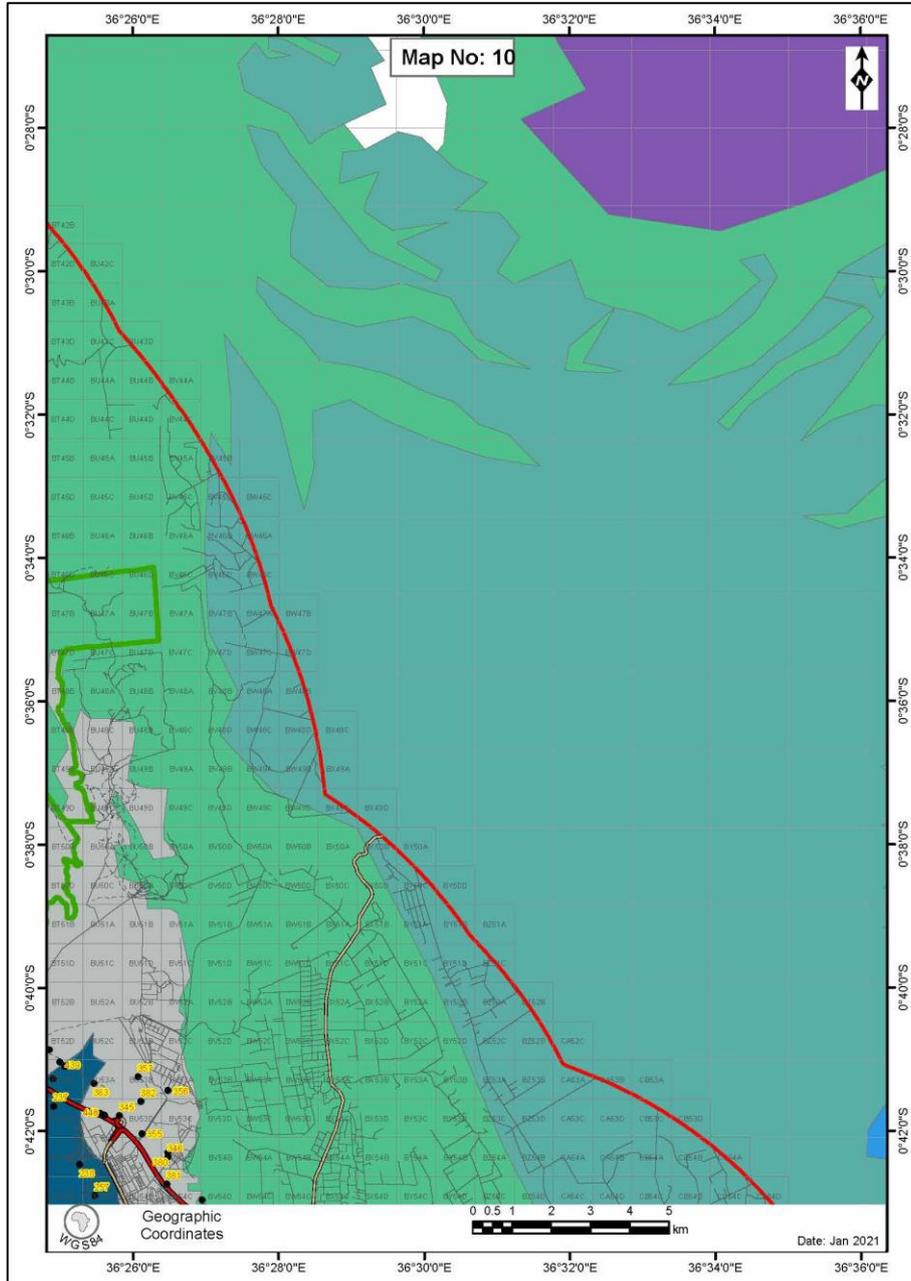
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

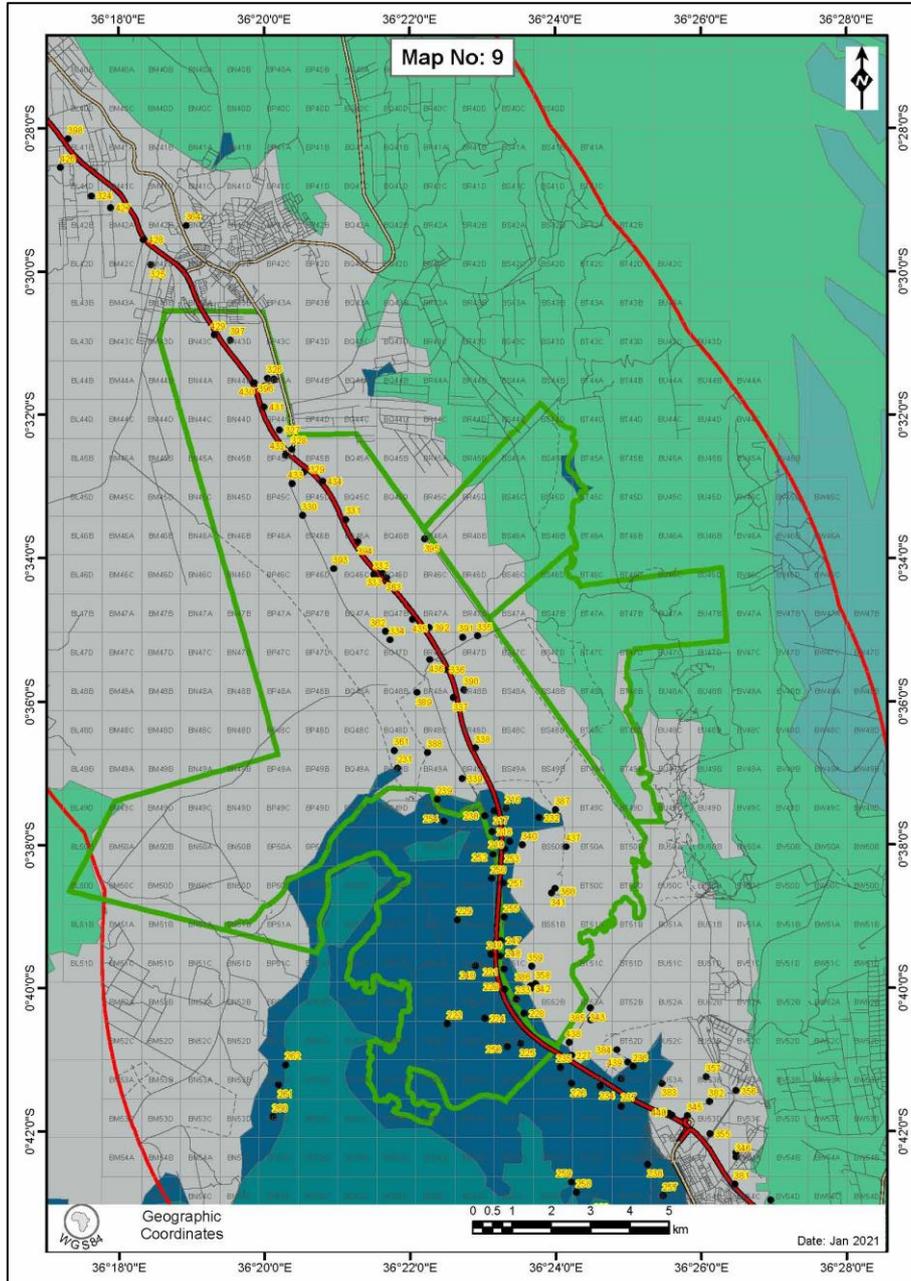
ECOLOGICAL SERVICES LTD.

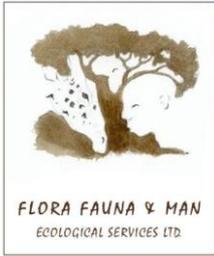




FLORA FAUNA & MAN

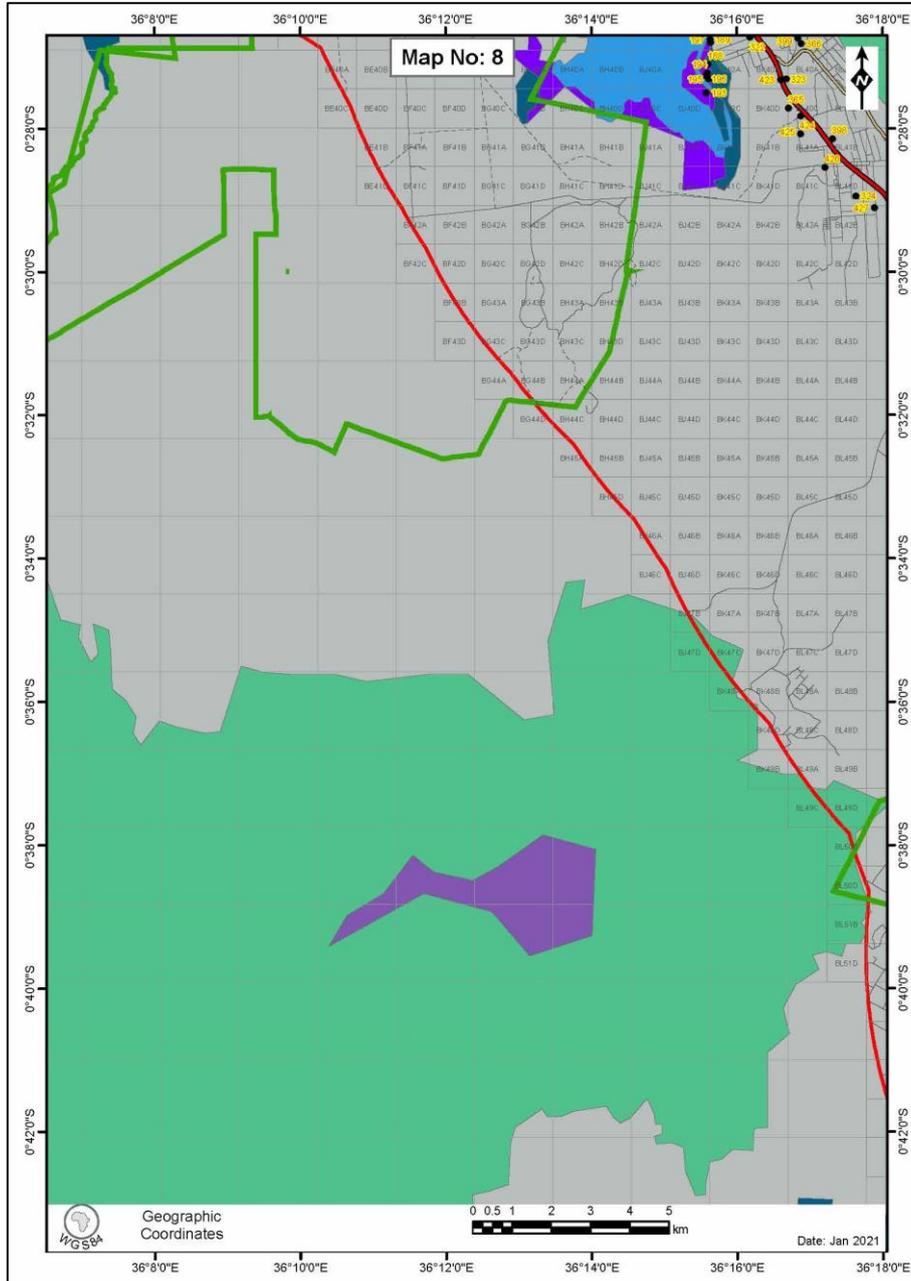
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

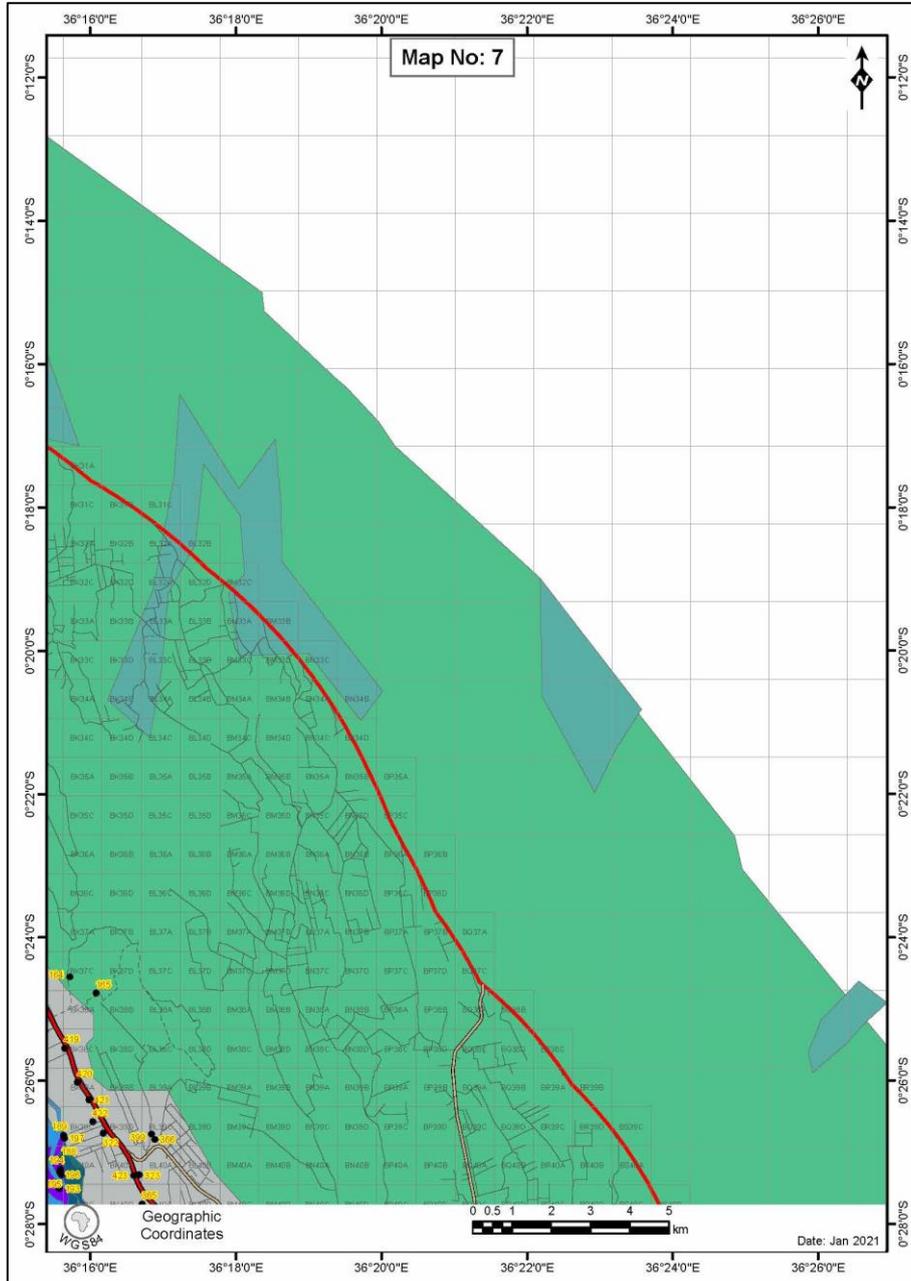
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

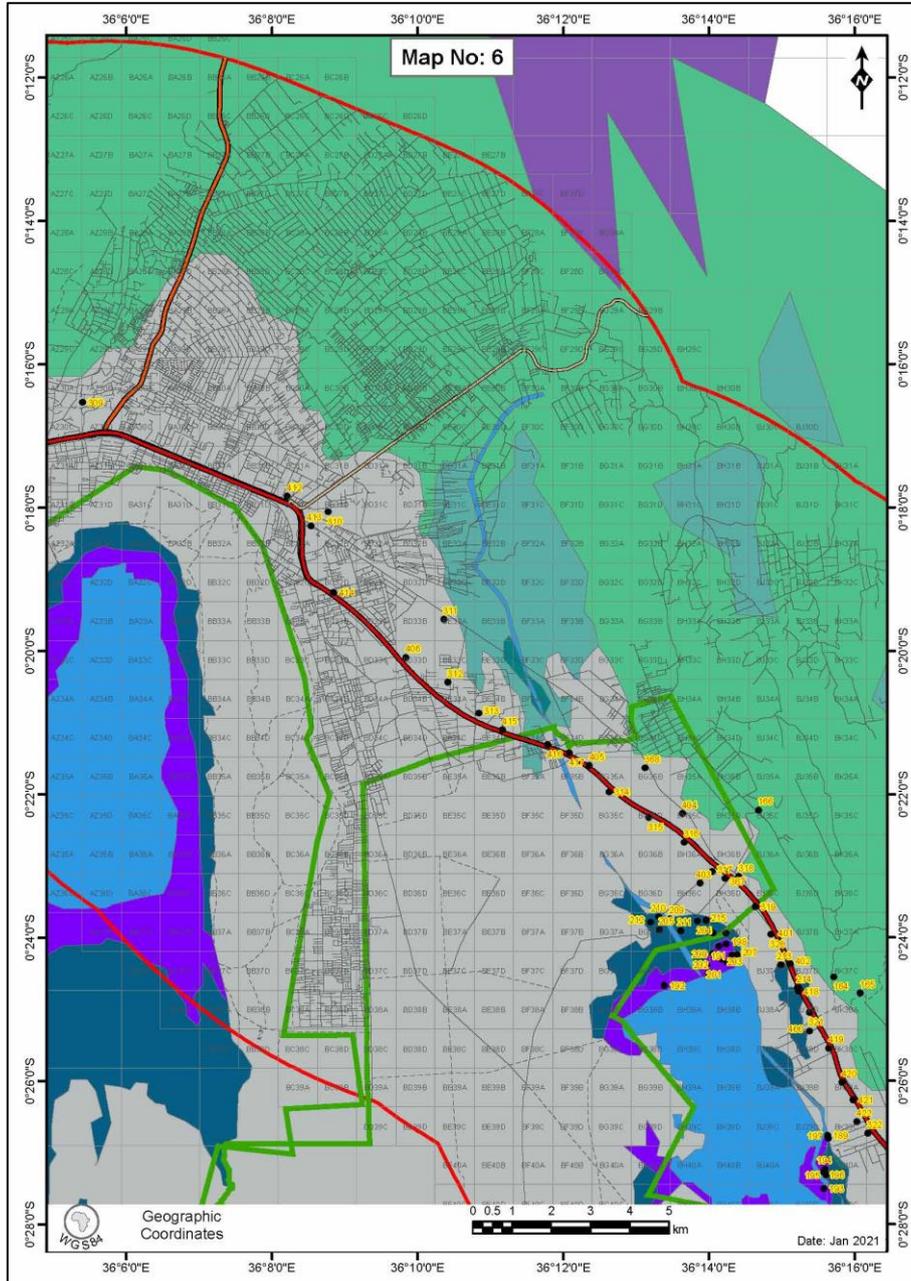
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

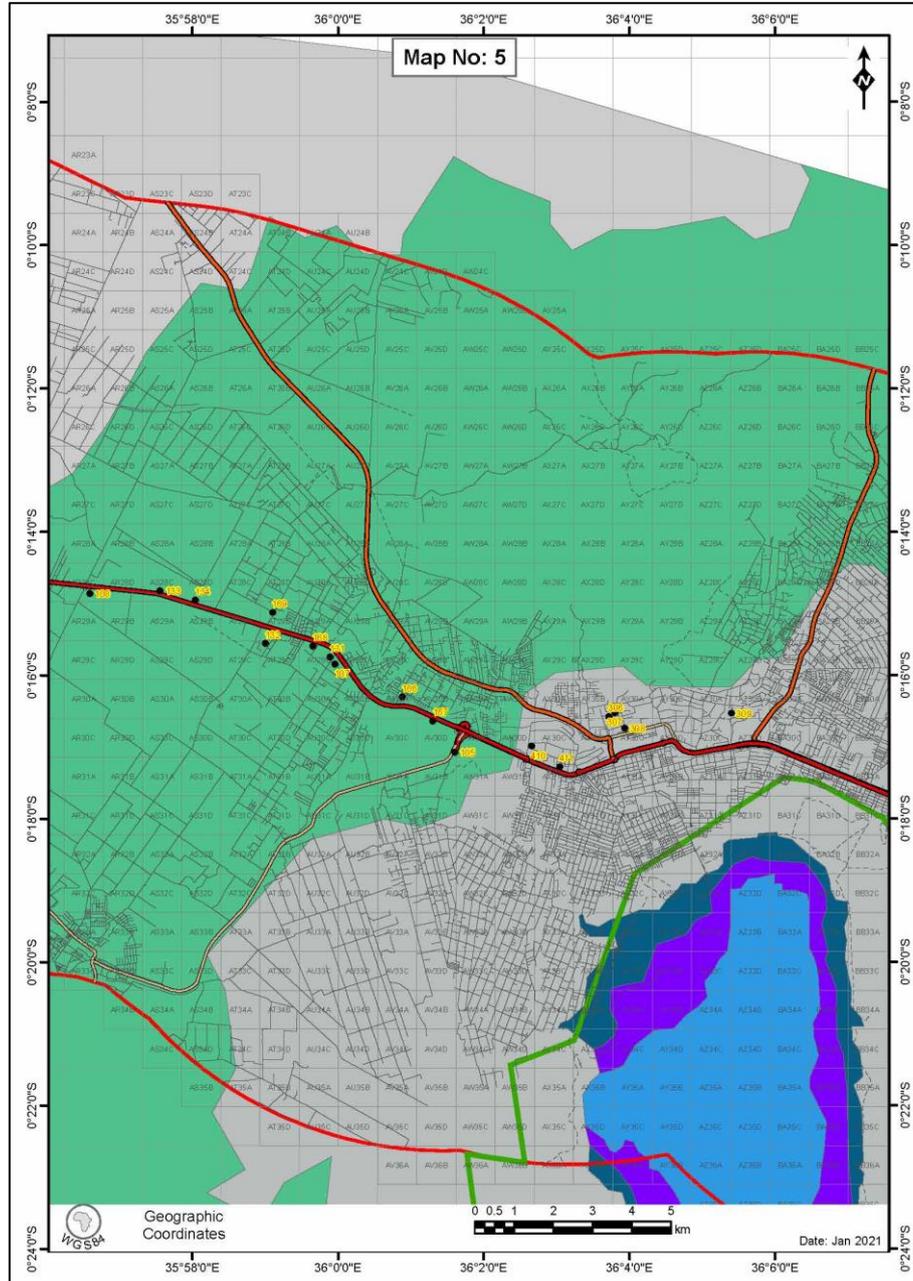
ECOLOGICAL SERVICES LTD.

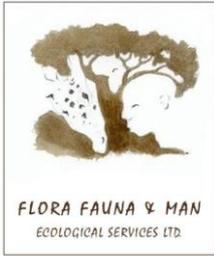




FLORA FAUNA & MAN

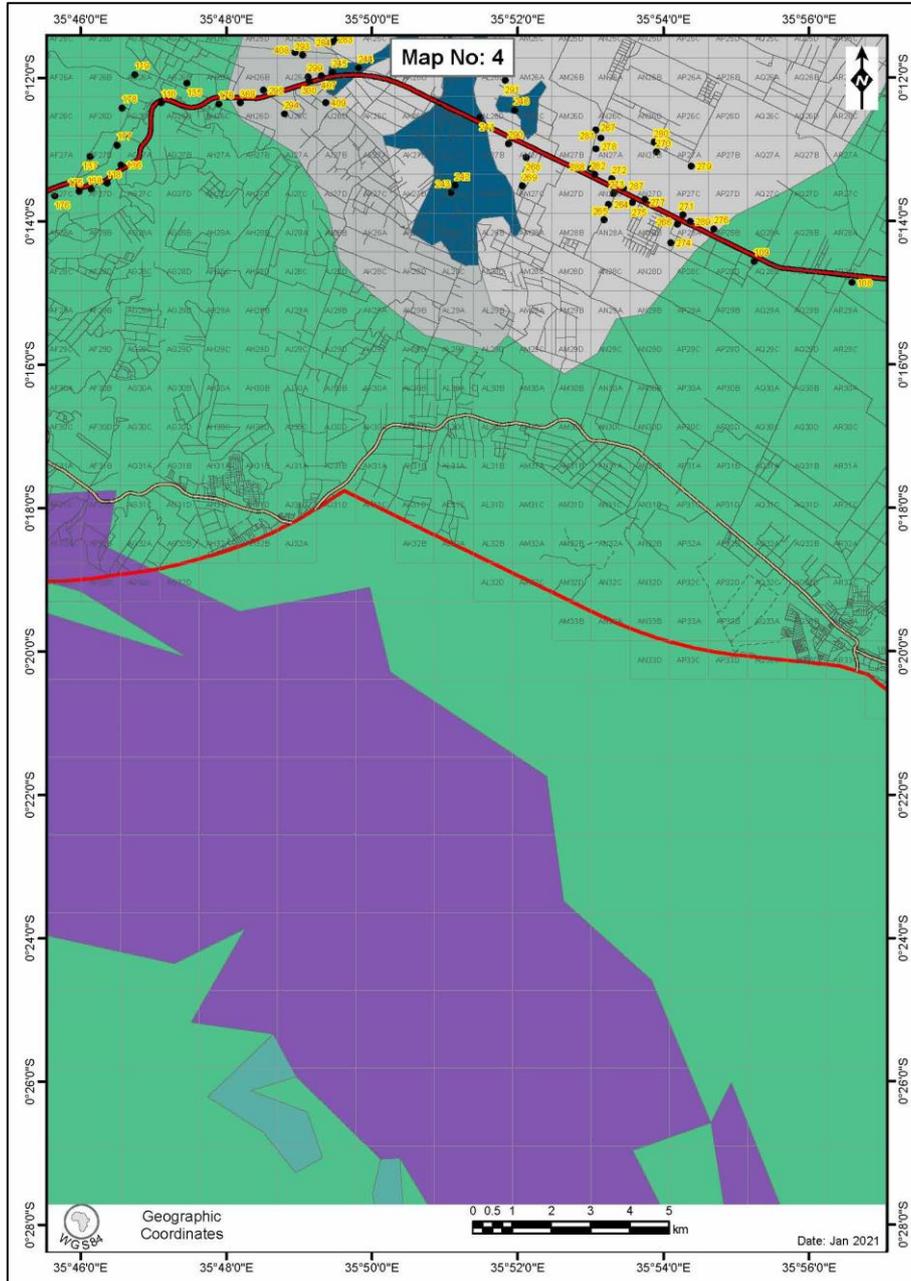
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

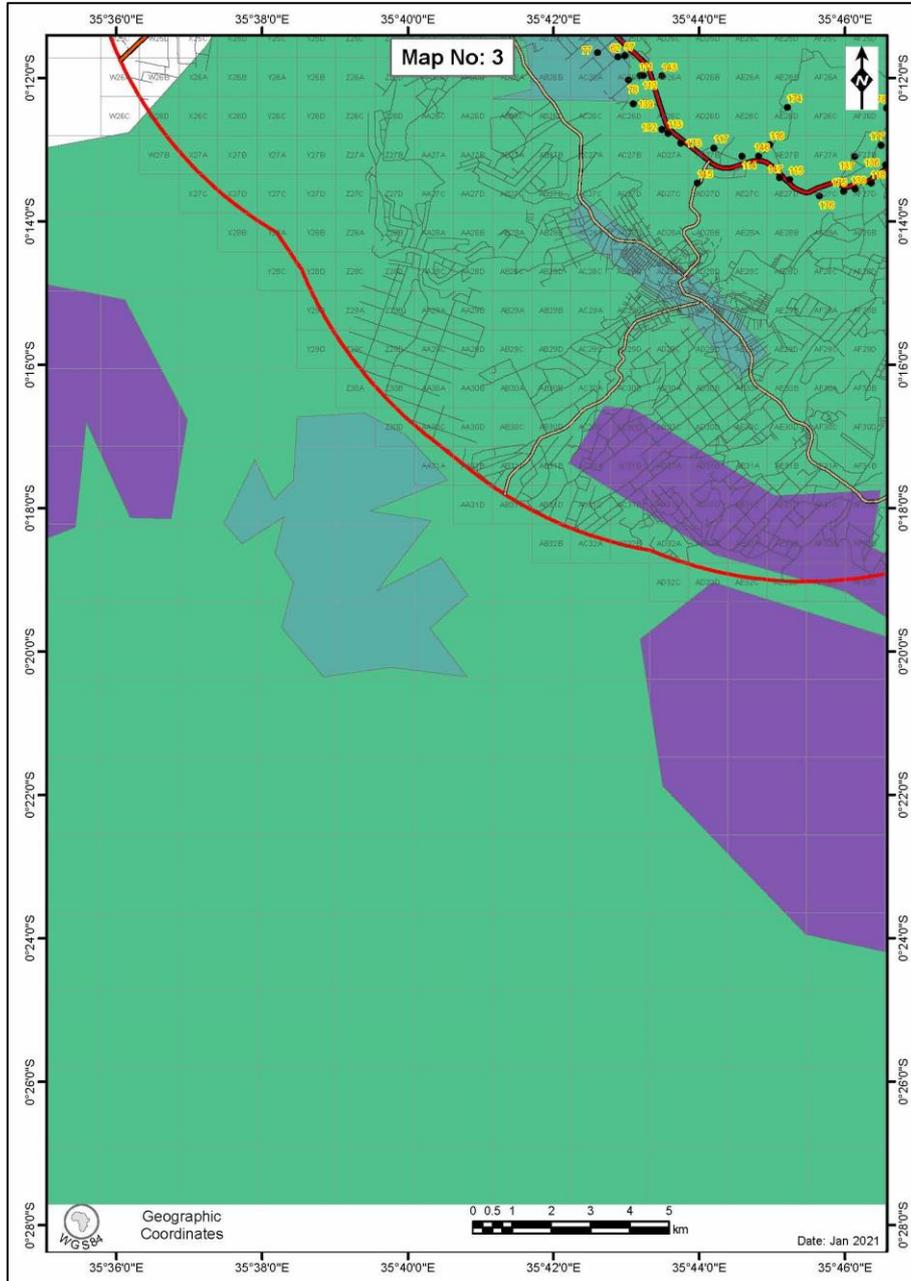
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

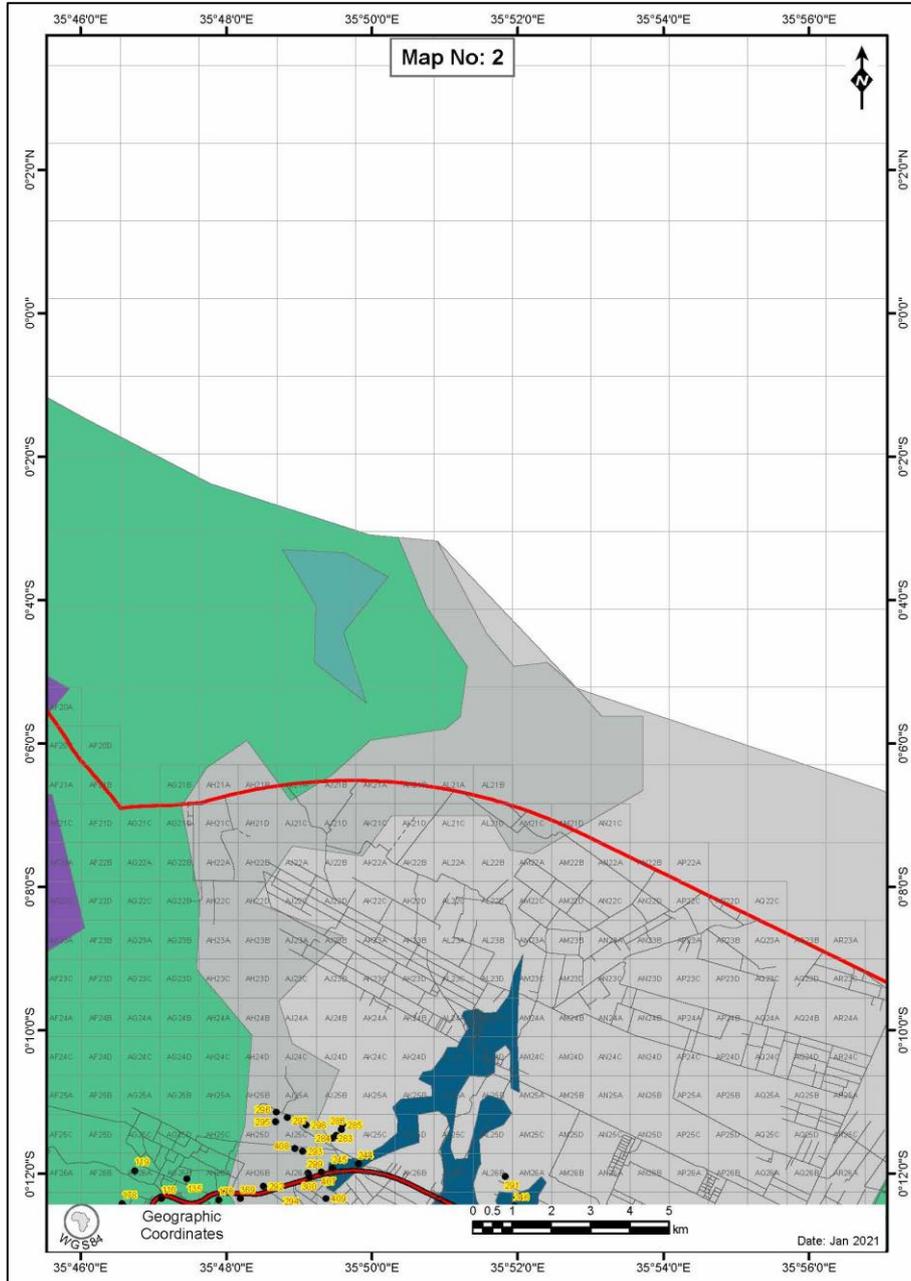
ECOLOGICAL SERVICES LTD.





FLORA FAUNA & MAN

ECOLOGICAL SERVICES LTD.



Social Survey Strategy – Training Guide

Nairobi-Nakuru-Mau Summit Highway Project

Revised Version

March 15th 2021



TABLE OF CONTENT

1	INTRODUCTION.....	4
2	DESCRIPTION OF THE PROJECT	5
2.1	Context	5
2.2	Main Objective of the Road Project	5
2.3	Components of the Nairobi-Nakuru-Mau Summit Highway Project.....	5
3	DESCRIPTION OF ACTIVITIES (PROCESS) TO UNDERTAKE THE SOCIAL SURVEYS.....	7
3.1	Methodological approach.....	7
3.2	Teams	7
3.3	Areas to survey	7
3.4	Expected outcomes.....	19
4	USE OF THE FIELD TOOLS	20
4.1	Electronic tablets And SNAP Survey	20
4.1.1	Access to Survey Questionnaires – SNAP Mobile Anywhere Application	20
4.1.2	Synchronization	20
4.1.3	Notes about SNAP Survey.....	21
4.1.4	Taking Photos	21
4.2	GPS.....	21
4.2.1	Find a survey area with GPS	22
5	SURVEYS QUESTIONNAIRES.....	23
5.1	Questionnaire for key informants and Chiefs	23
5.1.1	Close and open questions (paper version or Tablet).....	23
5.2	Questionnaire for Households living close to the road	28

5.2.1	Close questions (using tablets).....	28
5.3	Questionnaire for Street vendors (Informal street vendors in or around well demarcated markets or with stall in the Right of Way (ROW) or at transport junctions)	33
5.3.1	Close questions (using tablets).....	33
5.4	Questionnaire for Shops with physical infrastructures (in a building)	38
5.4.1	Close questions (using tablets).....	38
5.5	Questionnaire for Cattle and sheep owners bringing their animal on the ROW for grazing	42
5.5.1	Close questions (using tablets).....	42
5.6	Questionnaire for Pastoralist crossing the road (Maasai).....	46
5.6.1	Close questions (using tablets).....	46
6	HEALTH AND SAFETY IN THE FIELD	49



1 INTRODUCTION

This note is intended for the Social team in charge of social surveys for the Rironi-Nakuru-Mau Summit Highway. It will serve as a guiding tool during the field activities. It is a working document not intended to be disclosed outside of the team of experts.

This short note is divided in six sections:

1. Introduction;
2. Presentation of the project;
3. Description of activities (process) to undertake social surveys;
4. Use of the field tools (tablet, SNAP SURVEY and GPS);
5. Survey questionnaires;
6. Health and Safety in the field.



2 DESCRIPTION OF THE PROJECT

2.1 CONTEXT

The Government of the Republic of Kenya, through the Ministry of Transport, Infrastructure, Housing, Urban Development and Public Works represented by the Kenya National Highways Authority (KeNHA), identified the need for the rehabilitation, improvement and expansion of the Nairobi–Nakuru–Mau Summit (A8) highway.

The A8 highway is part of the Northern Corridor which is one of the busiest and most important transport corridors in East and Central Africa, providing a gateway through Kenya to the landlocked economies of Uganda, Rwanda, Burundi, Southern Sudan and Eastern DR Congo. It serves as a transportation link for approximately 6 million Kenyans. Expanding the road capacity and improving the road quality between Nairobi and Mau Summit will thus allow to accommodate the increasing traffic in a safe and sustainable manner.

This Project largely contributes to the realization and implementation of the PPP agenda in Kenya through the delivery of first-class Infrastructure projects capable of meeting social and economic requirements of the people of Kenya in a timely, transparent and accountable manner as envisioned in the Vision 2030 blue print and The Big Four Agenda.

After an international tender and a fair and transparent selection process, the Project was awarded to an international consortium which comprises of VINCI Highways, Meridiam Infrastructure Africa Fund and VINCI Concessions and which has incorporated a dedicated company in Kenya for the Project: Rift Valley Highway Limited. In this context, the Consortium mandated WSP Canada to undertake an Environmental and Social Impact Assessment (ESIA) for the Project to comply with International Lenders requirements.

The social survey you are going to work on is part of the ESIA.

2.2 MAIN OBJECTIVE OF THE ROAD PROJECT

Improve the safe movement of goods and people along the Nairobi-Mau Summit road and enhance connectivity between other parts of Kenya and the larger East and Central Africa.

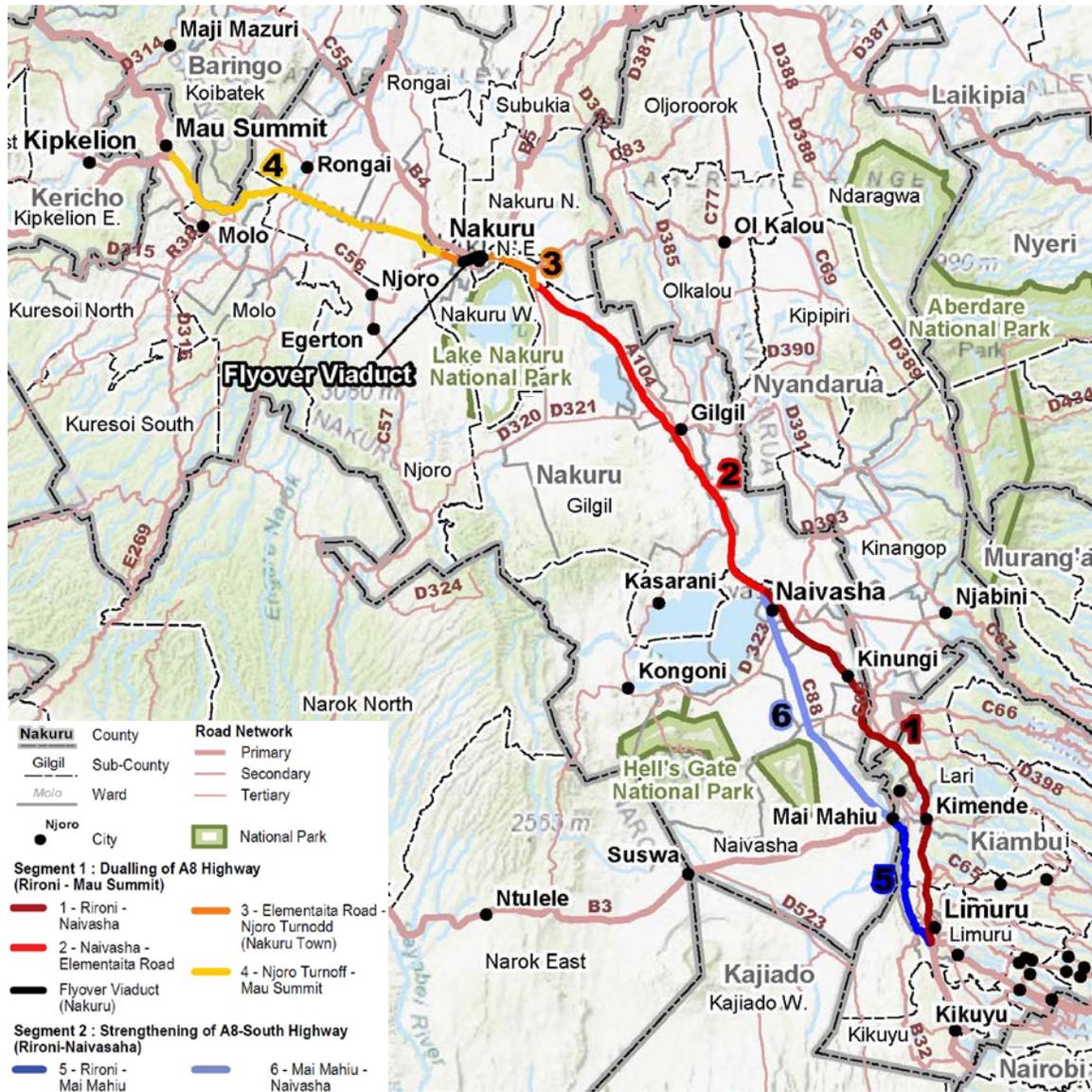
2.3 COMPONENTS OF THE NAIROBI-NAKURU-MAU SUMMIT HIGHWAY PROJECT

A8 Highway widening

Widening of a **175 km** section of the existing highway between Rironi and Mau Summit into a four-lane dual carriageway and future augmentation into a six lane carriageway in sections depending upon traffic volumes.

A8 South Highway Strengthening

Rehabilitation of a **57 km** section of the existing single carriageway of A8-South highway.



Map 1 Overview of the Roads Section included in the Nairobi-Nakuru-Mau Summit Highway Project

3 DESCRIPTION OF ACTIVITIES (PROCESS) TO UNDERTAKE THE SOCIAL SURVEYS

3.1 METHODOLOGICAL APPROACH

Social surveys will aim at the following categories of people:

- Social surveys with Chiefs and key informants (to be done by Julius Katui Ngundo).
- Social surveys with community members (by surveyors).

Dedicated social surveys will not take place in VMGs communities since they are not directly living along the road. However, whenever Maasai are encountered (probably close to Mai Mahiu and Longonot) they will have to be surveyed as well.

Social surveys intend to use tablets and a dedicated program (SNAP Survey).

3.2 TEAMS

On the field, the social survey team will be divided in two groups:

1. One-person administrating questionnaires at Chiefs and key informants (Julius Katui Ngundo) **(questionnaire 1 – see below)**
2. Two groups administrating questionnaires at randomly selected people using the ROW (street vendors, herders, shops) (4 surveyors) **(questionnaires 2 to 6 – see below)**

The social survey teams will progress together; the teams work in the same location at the same time.

For safety reason, surveyors have to work in pairs (1 man and 1 woman).

3.3 AREAS TO SURVEY

This section presents, based on a preliminary assessment of site sensitivities, the areas to survey and the survey effort.

Survey effort considers the fact that A8 will be subject to more significant impact than A8 South. This is because A8 will be doubled while A8 will remain with the same width and will only be subject to improvement.

Therefore, for a total of 120 man/days for surveyors:

- 15% of the survey effort will be invested in Kiambu county (+/-20 man/day)
- 5% of the survey effort will be invested in Nyandarua county (+/-6 man/day)
- 80% of the survey effort will be invested in Nakuru county (+/-94 man/day)

Survey questionnaire is presented in section 5. There are **6 survey questionnaires**:

1. Questionnaire for key informants and Chiefs (**Julius**);
2. Questionnaire for households living close to the road;

3. Questionnaire for street vendors (informal street vendors in or around well demarcated markets or with stall in the Right of Way (ROW) or at transport junctions) – along the ROW, there are several categories of street vendors:
 - People selling vegetables using stalls in the ROW and outside of markets (non-moving vendors);
 - People selling food using stalls around truck stops (non-moving vendors);
 - People selling goods using stalls in the ROW and outside of markets (non-moving vendors);
 - Walking vendors selling goods, vegetables or food (without any stalls) where traffic is slowing down such as city and town entrance, truck parking, junctions, etc.;
 - People selling vegetables inside markets (non-moving vendors);
 - People selling geese in the ROW;
 - People selling cow skins and sheep wool in the ROW;
 - People selling plants in plant nurseries encroaching on the ROW.
4. Questionnaire for shops with physical infrastructures (in a building);
5. Questionnaire for cattle and sheep owners bringing their animals in the ROW for grazing;
6. Questionnaire for pastoralist crossing the road (Maasai) – mostly near Mai Mahiu and Longonot.

The following pictures show examples of PAPs.

Figure 1 Example of households living close to the road



Figure 2 People selling vegetables using stalls in the ROW and outside of markets (non-moving vendors)



Figure 3 People selling plants in plant nurseries encroaching on the ROW



Figure 4 Cattle and sheep owners bringing their animals in the ROW for grazing



Figure 5 Shops with physical infrastructures (in a building)



In each county, the proportion of questionnaires to administer is as follow:

	Name of the questionnaire	Proportion of questionnaires to administer in each county
1	Questionnaire for key informants and Chiefs	Chiefs for identified locations shall be met. A total of 10 to 15 Chiefs shall be met base on the location presented in Table 1. One or two questionnaires per Subcounty shall be administered.
2	Questionnaire for households living close to the road	30 %
3	Questionnaire for street vendors (informal street vendors in or around well demarcated markets or with stall in the Right of Way (ROW) or at transport junctions)	30 %
4	Questionnaire for shops with physical infrastructures (in a building)	20 %
5	Questionnaire for cattle and sheep owners bringing their animal on the ROW for grazing	20 %
6	Questionnaire for Pastoralist crossing the road (Maasai) – mostly around A8 South in Mai Mahiu and Longonot	Whenever encountered

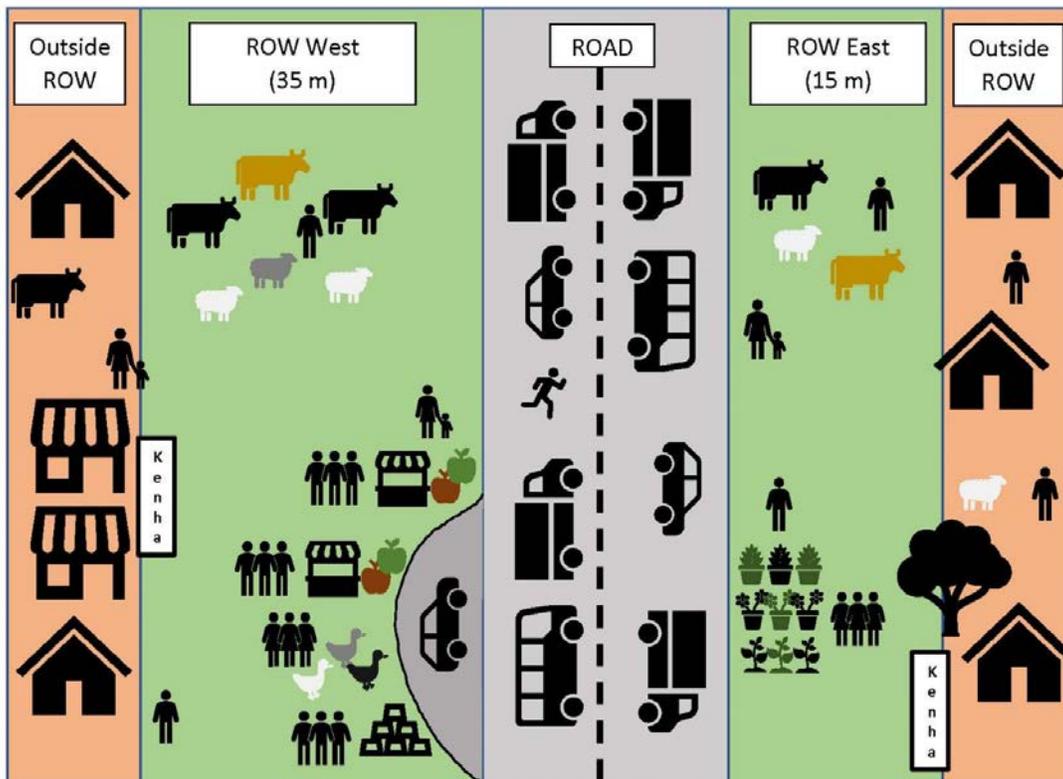
Social surveys have to remain in the Right of Way (ROW) or its vicinity (first rows of houses after the ROW). The ROW is physically delineated along the road. A concrete beacon is visible very few hundred meters as illustrated by the following pictures. Typically, the ROW is 35 meters on one side of the A8 (west) and 15 meters on the other side (east).

Figure 6 Beacons marking the limit of the ROW



The following figure illustrates a typical area where social surveys shall be undertaken.

Figure 7 Typical area to survey



When surveying, it is key to capture gender differences, therefore it is important to select both women street vendors and men street vendors.

The following table summarizes the social survey effort to invest for both **Julius Katui Ngundo** and the **teams of surveyors**. A map with the localisation and chainage is also provided. This information is also in the GPS.

Table 1 Areas to survey with road chainage

AREAS TO SURVEY	CHAINAGE	Julius Katui Ngundo Social surveys with Chiefs and key informants (day)	Team of surveyors Social surveys with community members (man/day) 4 surveyors will work in pairs
1. KIAMBU COUNTY (5 days) A8: 0+000 to 29+600 A8 South: 0+000 to 18+500			
Limuru Town	2+600 to 2+800 (A8)	The number of days to spend in this county will depend on the number of Chiefs to meet Lari Subcounty Locations: 1 Kijabe Location 2 Bathi Location 3 Magina Location (Magina and Gathumuri Sublocations)	6 m/d (1.5 days spent on this town with 4 surveyors) 12 PAPs to survey (see categories of PAPs above):
Lari Town	8+800 to 9+300 (A8)		6 m/d (1,5 days spent on this town with 4 surveyors) 12 PAPs to survey (see categories of PAPs above)
Kimende Township	17+300 to 17+600 East side (A8)		2 m/d (0.5 day spent on this town with 4 surveyors) 4 PAPs to survey (see categories of PAPs above)
Magina Town	21+100 to 21+500 West side (A8)		2 m/d (0.5 day spent on this town with 4 surveyors) 4 PAPs to survey (see categories of PAPs above)
Shop 1* (market area001**) and	12+600 to 12+800 West side (A8)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)

AREAS TO SURVEY	CHAINAGE	Julius Katui Ngundo Social surveys with Chiefs and key informants (day)	Team of surveyors Social surveys with community members (man/day) 4 surveyors will work in pairs
Shop 2* (market area**) Important street vendors and markets areas (*) waypoint's name (**) tracks	13+800 to 14+000 West side (A8)	4 Kinale Location 5 Gitithia Location (Nyambari Sublocation) 6 Kirenga Location (Kirenga and Mukey Sublocations) 7 Escarpment Location (Ibonia Sublocation) 8 Gitwamba Limuru Subcounty Locations: 9 Bibirioni (Murengeti and Ngaranga Sublocations) 10 Limuru (Tharoni Sublocation) 11 Rironi	
TOTAL EFFORT			+/- 20 man/day 40 PAPs to survey (see categories of PAPs above): <ul style="list-style-type: none"> - 12 questionnaires with households living close to the road - 12 questionnaires with street vendors - 8 questionnaires for shops with physical infrastructures (in a building) - 8 questionnaires with cattle and sheep owners bringing their animal on the ROW for grazing - XX questionnaires for Pastoralist crossing the road (Maasai) – whenever encountered

AREAS TO SURVEY	CHAINAGE	Julius Katui Ngundo Social surveys with Chiefs and key informants (day)	Team of surveyors Social surveys with community members (man/day) 4 surveyors will work in pairs
2. NYANDARUA COUNTY (1.5 days) A8: 29+600 to 33+700 A8 South: /			
Soko Mjinga market and Soko Mjinga market 001	29+200 East side (A8) 30+900 East Side (A8)	The number of days to spend in this county will depend on the number of Chiefs to meet Kinangop Subcounty Location: 1 Magumu (Gitwe and Bamboo Sublocations)	6 m/d (1.5 days spent on this town with 4 surveyors) 12 PAPs to survey (see categories of PAPs above)
TOTAL EFFORT			+/- 6 man/day 12 PAPs to survey (see categories of PAPs above): <ul style="list-style-type: none"> - 3 questionnaires with households living close to the road - 3 questionnaires with street vendors - 3 questionnaires for shops with physical infrastructures (in a building) - 3 questionnaires with cattle and sheep owners bringing their animal on the ROW for grazing - XX questionnaires for Pastoralist crossing the road (Maasai) - whenever encountered

AREAS TO SURVEY	CHAINAGE	Julius Katui Ngundo Social surveys with Chiefs and key informants (day)	Team of surveyors Social surveys with community members (man/day) 4 surveyors will work in pairs
3. NAKURU COUNTY (23.5 days) A8: 33+700 to 174+900 A8 South: 18+500 to 56+900			
Mai Mahiu (A8 South)	19+000 to 20+400 (A8 South)		8 m/d (2 days spent on this town with 4 surveyors) 16 PAPs to survey (see categories of PAPs above)
Longonot (A8 South)	34+100 to 35+000 (A8 South)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)
Karagita town (A8 South)	46+000 to 50+900 (A8 South)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)
Naivasha (A8 South and A8)	54+100 to 56+600 (A8 South) and 51+000 to 55+200 to 57+000 (A8)		10 m/d (2.5 days spent on this town with 4 surveyors) 20 PAPs to survey (see categories of PAPs above)
Kinungi	41+700 to 42+300 (A8)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)
Locality of Internally displaced people	64+000 to 64+500 West side (A8)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)
Gilgil town (A8)	84+200 to 86+000 (A8)		10 m/d (2.5 days spent on this town with 4 surveyors) 20 PAPs to survey (see categories of PAPs above)
Kikopey town (A8) place of rest of truck drivers	88+800 to 89+400 East side (A8)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)

AREAS TO SURVEY	CHAINAGE	Julius Katui Ngundo Social surveys with Chiefs and key informants (day)	Team of surveyors Social surveys with community members (man/day) 4 surveyors will work in pairs
Nakuru city	113+000 to 128+000 (A8)		30 m/d (7.5 day spent on this town with 4 surveyors) 60 PAPs to survey (see categories of PAPs above) With a focus on the following areas – Free Area (117+000 to 120+000) – Street vendors – Houses at the entrance and exit of town
Unknown town	151+200 to 152+200 (A8)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)
Unknown town 001	158+400 to 159+100 (A8)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)
Unknown town 002	165+400 to 166+800 East side (A8)		4 m/d (1 day spent on this town with 4 surveyors) 8 PAPs to survey (see categories of PAPs above)
Shops	32+300 to 32+700 East side (A8)		2 m/d (0.5 day spent on this town with 4 surveyors) 4 PAPs to survey (see categories of PAPs above)

<p>Plant vendors</p>	<p>92+900 to 97+600 East side (A8)</p>	<p>The number of days to spend in this county will depend on the number of Chiefs to meet.</p> <p>Nakuru East Subcounty Locations:</p> <ul style="list-style-type: none"> 1 Lanet 2 Free Area 3 Bondeni <p>Nakuru West Subcounty Locations:</p> <ul style="list-style-type: none"> 4 Kaptembwa 5 Viwandani <p>Molo Subcounty and Kuresoi North Subcounty Locations:</p> <ul style="list-style-type: none"> 6 Molo 7 Mau Summit <p>Rongai Subcounty Locations:</p> <ul style="list-style-type: none"> 8 Boror 9 Rongai 10 Sumeek 11 Visoi <p>Gilgil Subcounty Locations:</p> <ul style="list-style-type: none"> 12 Kiambogo 13 Eburru 14 Gilgil 15 Mbaruk 16 Karunga 	<p>2 m/d (0.5 day spent on this town with 4 surveyors)</p> <p>4 PAPs to survey (see categories of PAPs above)</p>
-----------------------------	--	---	--

AREAS TO SURVEY	CHAINAGE	Julius Katui Ngundo Social surveys with Chiefs and key informants (day)	Team of surveyors Social surveys with community members (man/day) 4 surveyors will work in pairs
		Naivasha Subcounty Locations: 17 Longonot 18 Maai Mahiu Naivasha Subcounty Locations: 19 Kinungi (Maraigushu Sublocation) 20 Naivasha Town (Sokoni Sublocation)	
TOTAL EFFORT			+/- 94 man/days 188 PAPs to survey (see categories of PAPs above): <ul style="list-style-type: none"> - 56 questionnaires with households living close to the road - 56 questionnaires with street vendors - 38 questionnaires for shops with physical infrastructures (in a building) - 38 questionnaires with cattle and sheep owners bringing their animal on the ROW for grazing - XX questionnaires for Pastoralist crossing the road (Maasai) - whenever encountered

**** Important:** Surveyors should take notes on the people they interview to ensure they surveyed the number of people requested in each category (see the "total effort" boxes for each county). Once the questionnaire is completed with SNAP Survey it is no longer possible to have any information about the respondent. Therefore, it is essential to take notes and share them between the two teams to make sure to reach the requested quotas.



3.4 EXPECTED OUTCOMES

For each person surveyed, a questionnaire shall be filled using the provided tools.

4 USE OF THE FIELD TOOLS

This section presents the tools that will be used to conduct the surveys.

4.1 ELECTRONIC TABLETS AND SNAP SURVEY

We will use the software SNAP Survey for the surveys.

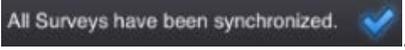
4.1.1 ACCESS TO SURVEY QUESTIONNAIRES – SNAP MOBILE ANYWHERE APPLICATION

- You can open the application by clicking on the icon: .
- After that, you must enter the account username and password to access the survey questionnaires:
 - **Username:** norken (lowercase)
 - **Password:** Kenya001 (first letter capitalized)

** It is very important to respect the letter format (capital letters, spaces, etc.) when you enter the codes, otherwise you will not be able to open the survey.

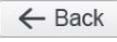
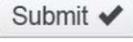
- After validation of the username and password, you will have access to the following questionnaire:
 - **Social Survey Kenya**

4.1.2 SYNCHRONIZATION

- Each evening, when you have an Internet access, you must synchronize the application by clicking on:  (top right corner in SNAP). It is possible that synchronization occurs by itself, but it is better to check.
- After synchronization, you will see this: .
- That way, WSP (who will treat the collected data) will receive the results that have been collected in an "offline" mode. It is therefore very important to regularly synchronize the application so that the survey results are sent to specialists.

4.1.3 NOTES ABOUT SNAP SURVEY

When you start an interview with the tablet, make sure you finish it.

1. When you want to enter a decimal number, you must use dots (.) instead of commas (,). If you use the comma, you will not be able to go to the next page, and the question will be **framed in red**. You have to make the correction.
2. If you have missed a mandatory question, the software does not allow you to go to the next page. The forgotten question will be **framed in red**.
3. The button  that you will see throughout the survey (at the bottom of the questionnaire) erases data on the page where you are at that moment. It will not erase the entire interview.
4. When you fill out a questionnaire, it is always possible to return to the previous pages to make a change without losing what has already been completed (by clicking on ) as long as the questionnaire is not sent. **IMPORTANT:** Do not touch the "go back" button located in the upper left corner of the questionnaire. This button will make you start the questionnaire all over again.
5. Once the questionnaire is sent (by clicking on ) , it is impossible to return in it and change some answers. Therefore, make sure you have checked everything you wanted to check before sending the survey. If ever a change is required, inform the coordinator of WSP or Norken.

4.1.4 TAKING PHOTOS

- The picture-taking must be conducted with the electronic tablet.
- To take a picture, just click on "Take a picture" where asked in the questionnaire; the tablet will take you directly to the camera. When taken, photos will be automatically associated with the questionnaire. It's that easy!

4.2 GPS

You must take a GPS waypoint when asked in the questionnaire. The waypoint must be taken with one of the orange etrex GPS and not with the tablet.

The seizure of GPS waypoints (WGS84) will provide geolocation coordinates in this format: hddd° mm.mmm'

Example: S ___° __.____ (8 numbers)

E ___° __.____ (7 numbers)

Make sure you are near the element that must be localized when you take the GPS waypoints.

The waypoint must be transcribed in full in the SNAP Survey questionnaires (where required) (ex: **S123°45.678 E12°34.567**).



4.2.1 FIND A SURVEY AREA WITH GPS

GPS will also help you know where to go to conduct the surveys. All locations are in GPS, in the form of waypoints (small flags) and polygons (areas).

1- To display the polygons:

Menu > Where to? > Tracks > The list of available polygons will appear. You will have to select the desired track. Then click on “GO” to get there.

If a destination was already selected, the GPS will display this: Currently navigating to "X (name of the previous track)". It offers two choices: 1- Find another 2- Stop Navigation. Select “Stop Navigation”. Go back to “Tracks” and choose the desired polygon from the list.

2- To display a waypoint (flag):

Menu > Where to? > Waypoints > Select the desired waypoint from the list. Click on “GO” to go to it on the map.

<p><u>Note:</u> In the GPS, tracks 1 to 6, 2001 and 3001 are about the road; they are not polygons.</p>



5 SURVEYS QUESTIONNAIRES

Here is a short introduction to say when you approach someone:

“Hi, I work for Norken, an engineering and management consultant firm, which works with WSP Canada to carry out a social survey with people along the road as part of the Nairobi-Nakuru-Mau Summit Highway Project. WSP Canada and Norken have been mandated by the Rift Valley Connect Consortium to undertake an Environmental and Social Impact Assessment (ESIA) for the Project to comply with International Lenders requirements. This survey is part of the ESIA. The questionnaire and its results will be confidential, only statistics will be disclosed (without mentioning any names). Do you have a few minutes to answer some questions?”

5.1 QUESTIONNAIRE FOR KEY INFORMANTS AND CHIEFS

Ideally, meeting with key informants and Chiefs will allow to help in the identification of households to survey. Julius is responsible for this questionnaire.

5.1.1 CLOSE AND OPEN QUESTIONS (PAPER VERSION OR TABLET)

Question number	Question	Answers
Introduction		
	Name of the surveyor	
Person(s) surveyed		
1.1	Name of the Chief or key informant	
1.2	Age of the respondent	
1.3	Gender	
Population		
1.4	Name of the locality	
1.5	Population of the locality	
1.6	Number of households in the locality	
1.7	Do you believe that population in the locality increased or decreased in the recent years	
1.7	If it increased, can you tell why	Conditionally ask question if the answer is: has increased in the recent years
1.7	If it decreased, can you tell why	Conditionally ask question if the answer is: has decreased in the recent years
1.8	Are most people of your locality connected to the grid	
1.9	Are most people of your locality connected to a sewerage	
1.10	Does most people have access to clean water (drinking water)	
1.10	Where do most people fetch water	

Question number	Question	Answers
1.11	Do you have a domestic waste collection system in place in your locality	
1.11	How are waste managed	Conditionally ask question if answer is no
Localisation of the locality		
1.12	Location of the locality	A8, A8 South
1.13	Location of the locality (if A8)	West side of the road (on the Rironi-Mau Summit section)
		East side of the road (on the Mau Summit – Rironi section)
		Both side of the road
1.14	Location of the locality (if A8 south)	West side of the road (on the Mai Mahiu-Navaisha section)
		East side of the road (on the Navaisha section – Mai Mahiu section)
		Both side of the road
1.15	Is social cohesion affected by the fact that the locality is located on both side of the road?	Yes, No (Conditionally ask question if the answer is: Both side of the road on Q1.13 or Q1.14)
1.15	If yes, please elaborate	Conditionally ask question if the answer is Yes on Q1.15
	Can you list the sublocations included in your location that are touching the ROW of the project?	
1.16	Can you tell us where schools are located in relation to the road	Far (more than 500 m), Near (around 200 m), Very near (right beside the ROW)
1.17	Can you tell us where health post or clinics are located in relation to the road	Far (more than 500 m), Near (around 200 m), Very near (right beside the ROW)
1.18	Can you tell us where other sensitive areas are located in relation to the road (church, place of worship, public place)	Far (more than 500 m), Near (around 200 m), Very near (right beside the ROW)
Question on the project		
1.19	Do you know when was the actual road built, please provide the date	
1.20	Have you heard of this project	
1.20	By which mean	Conditionally ask question if the answer is Yes on Q1.20
1.21	Were some people in your locality recently displaced to make place for this project. Please elaborate.	
Nuisances		

Question number	Question	Answers
1.22	Do people in this locality complain a lot about nuisance from the road (noise, dust, pollution)	
Health and safety		
1.23	Do you know someone from this locality that died from a collision with a vehicle on this road. Please elaborate (if the person answers yes)	
1.24	Do you know someone from this locality that was injured from a collision with a vehicle on this road. Please elaborate (if the person answers yes)	
1.25	Has the road brought crime to your locality? Please elaborate (if the person answers yes)	
1.25	Please elaborate	
Gender and gender-based violence		
1.26	When the road was initially built, were there any cases of gender-based violence (GBV) and sexual abuse amongst young women (along the road during construction)	Yes, No, I do not know, Prefer not to answer.
1.26	Please elaborate about what had happened	Conditionally ask question if the answer is Yes.
1.27	Do you believe that the road is bringing problems such as prostitution, human trafficking and sexual abuse or GBV	Yes, No, I do not know, Prefer not to answer
1.27	If yes, please elaborate	Conditionally ask question if the answer is Yes.
1.28	Are you worried that, with the road upgrading, GBV will take place during construction	Yes, No, I do not know, Prefer not to answer
1.28	what should be done to avoid this	Conditionally ask question if the answer is Yes.
Vulnerable people		
1.29	Who are the most vulnerable people in your community	
1.30	Is unemployment amongst young people a problem in your community	Yes, No
1.30	Please elaborate	Conditionally ask question if the answer is Yes.

Question number	Question	Answers
Population influx		
1.31	During the construction of the current road, was there any issue with population influx (people moving in the locality in hope to find job)	Yes, No, I do not know, Prefer not to answer.
1.31	please elaborate	Conditionally ask question if the answer is Yes.
1.32	With the current road, are you facing new problems of population influx (shanty towns, street vendors, etc.)	Yes, No. Please elaborate if answers yes.
1.32	please elaborate	Conditionally ask question if the answer is Yes.
Drainage		
1.33	Is the road blocking free movement of water from rivers, drains or wetlands (from one side to the other)	
Needs of the community		
1.34	In order of priority, can you list three needs in your community	First need Second need Third need
Benefits and impacts from the current road		
1.35	What has changed since the current road was built	
1.36	Is your locality getting any benefits from its localisation close to the road	Yes, No, Prefer not to answer.
1.36	If yes, please elaborate	Conditionally ask question if the answer is Yes.
1.37	Who are benefiting from the presence of the road (category of persons)	Open question; we are expecting category of persons to be listed. Can be replaced by a single/multichoices question if ever it is more efficient for surveyors. To be discussed during the training
1.38	Who are negatively impacted by the presence of the road (category of persons)	Open question; we are expecting category of persons to be listed. Can be replaced by a single/multichoices question if ever it is more efficient for surveyors. To be discussed during the training
1.39	Does your locality have a bus stop along the road	Yes, No
1.40	Do you believe that improvement (A8 South) or widening (A8) of the	Yes, No Please elaborate

Question number	Question	Answers
	road will bring positive outcomes to your community, please elaborate	
1.41	Do you believe that improvement (A8 South) or widening (A8) of the road will negatively impact your community?	Yes, No Please elaborate
1.42	Do you have any special request from the project (jobs for young, safety measures, etc.)	Open question
1.43	When a person has a complaint or a conflict with a neighbour, what is the actual grievance redress mechanism in place in your locality.	Open question
1.44	Do you have a grievance redress committee in place	Yes, No
1.45	Can you list the sublocations included in your location that are touching the ROW of the project?	Open question
1.46	Do you have regular contact with KeNHA when community members have complaints regarding the road and the traffic	Yes, No

5.2 QUESTIONNAIRE FOR HOUSEHOLDS LIVING CLOSE TO THE ROAD

It is difficult to plan social surveys with this category of PAPs. Therefore, the approach relies on randomly selecting households to administer the questionnaire. However, thanks to the first round of public consultation, community members will be warned of social surveys. In addition, meetings with Chiefs and key informants may help in the identification of households to survey.

5.2.1 CLOSE QUESTIONS (USING TABLETS)

Question number	Question	Answers
Introduction		
	Name of the surveyor	to fill
2.1	Exact GPS location of the house	to fill
2.1	Name of the locality	to fill
Person surveyed		
2.2	Name of the head of the household	to fill
2.3	Name of the respondent if head of the household is absent	to fill
2.4	Age of the person	to fill
2.5	Gender	Male, Female
2.6	Ethnic group	to fill
2.7	Matrimonial status	Single, Married, Widow
2.8	Number of persons permanently living under the same roof	to fill
Question on the project		
2.9	Have you heard of the project	Yes, No
2.10	If you have heard of the project, by which mean?	Chief, During a previous public consultation, by KeNHA, Discussions with neighbours, Other (please specify)
Household situation		
2.11	Characteristic of the wall of the house (type of material)	Masonry, Wood, Other (please specify)
2.12	Characteristic of the roof of the house (type of material)	Corrugated iron sheet, Wood, Other (please specify)
2.13	Dimension of the house (exterior dimension in meters)	Length: Width:
2.14	Take a picture (if possible)	
2.15	Please provide with age and gender of all person living under the same roof	Person 1: Age, Gender Person 2: Age, Gender Etc.
2.16	Source of energy	Grid, Personal generator, Community generator, Other (please specify)
2.17	Source of drinking water	City water (pipes), Personal well, Public well, I buy bottles, Rivers, Other (please specify)

Question number	Question	Answers
2.18	Toilets	Personal latrines, Community latrines, Open defecation, Other (please specify)
2.19	Where do you throw your trash	On a pile then I put the waste on fire, In a local river, In a ditch, the City picks the wastes, Other (please specify)
2.20	Location of the house	A8, A8 South
2.21	Location of the house (if A8)	West side of the road (on the Rironi-Mau Summit section) East side of the road (on the Mau Summit – Rironi section)
2.22	Location of the house (if A8 south)	West side of the road (on the Mai Mahiu-Navaisha section) East side of the road (on the Navaisha section – Mai Mahiu section)
2.23	Location of the house	Inside the ROW (encroaching), Outside the ROW, Not sure of the localisation in regard to the ROW
2.24	How often do you go to the other side of the road	Never, Rarely, Often, Every day
2.25	When do you go to the other side	Morning, Day, Evening, Night (multichoice)
2.26	Why do you go to the other side of the road	To meet with family members or friends, To go to work, To access town services, Other (please specify) (multichoice)
2.27	How do you cross the road?	By using an underpass; by using a pedestrian crossing; by using an overpass; I just cross the road
Tenure		
2.28	Are you the owner of your house	Yes, No, Prefer not to answer
2.29	Are you the owner of the land	Yes, No, Prefer not to answer
2.30	Do you pay a rent to someone?	Yes, No, Prefer not to answer
2.31	When was the house built	to fill (year)
Livelihood		
2.32	What is your main livelihood activity	to fill
2.33	Where do you work (where is this main livelihood activity taking place)	In the ROW, In the locality, In the field (I am a farmer), At my business location, Other (please specify)
2.34	How much money do you earn per month with this main livelihood activity (gross revenue)	to fill
2.35	Do you have a secondary livelihood activity	Yes, No

Question number	Question	Answers
2.36	Where is this secondary livelihood activity taking place	In the ROW, In the locality, At my business location, Other (please specify)
2.37	How much money do you make per month with this secondary livelihood activity (gross revenue)	to fill
2.38	Do other members of your household work	Yes, No
2.39	Does your spouse work	Yes, No, Not applicable
2.40	How much money do they bring per month to your household (gross revenue)	to fill
Household expenses		
2.41	Could you please classify the expenses of your household by order of significance 1= the less significant 10= the most significant	Food Rent Maintenance of the house Electricity Water supply Health Fee for children school Reimbursement of debts/loans Farming inputs Social obligation (wedding, funeral, etc.)
2.42	Is there a time of the year when household finances are more difficult	Yes, No, Prefer not to answer
2.42	Please mention when and why	to fill
2.43	Please mention when and why?	Conditionally ask question if the answer is Yes on Q2.42
Education		
2.44	Can you read	Yes, No, Prefer not to answer
2.45	What is the highest education level that you have achieved	No education, Primary School, Secondary School (High School), Vocational/Technical School, College Degree, University Degree, Other (please specify)
Health		
2.46	Do you have any recurrent health problems	Yes, No
2.46	If yes, please provide detail	Conditionally ask question if the answer is Yes
2.47	Where do you go when you have health problem	Dispensary, Medical Clinic (private practice health facility), Health Center, Medical Center, Hospital, Other (please specify) (multichoice answer)

Question number	Question	Answers
Nutrition		
2.48	How many meals a day do you eat (main meal)	
2.49	Do you believe that you eat enough everyday	Yes, No
2.50	Do your children eat enough everyday	Yes, No, Not applicable
Locomotion		
2.51	Do you own a motorised mean of locomotion	Yes, No
2.51	If yes, please specify	Conditionally ask question if answers is Yes
2.51	If no, how do you travel (means, by example walk, bicycle, bus, etc.)	Question posée conditionnellement si la personne répond non à la question précédente.
Vulnerability		
2.52	When you compare your household's situation to your neighbours, do you feel:	Richer than my neighbours; average with my neighbours; poorer than my neighbours, Prefer not to answer. Please specify.
2.53	Who do you ask if you need to borrow money?	to fill
2.54	Do you have debts	Yes, No, Prefer not to answer
2.55	Do you have savings	Yes, No, Prefer not to answer
2.56	Do you have a bank account	Yes, No, Prefer not to answer
2.57	Does your spouse/husband have access to your bank account (Conditionally ask question if the answer is Yes on Q2.56)	Yes, No, Not applicable, Prefer not to answer
2.58	Does your spouse/husband have a personal bank account	Yes, No, Not applicable
2.59	Do you think that pollution from the traffic affects your health	Yes, No
2.60	Do you think that traffic is a safety hazard	Yes, No
2.61	Are you irritated by traffic noise	Yes, No
2.62	Do you personally know someone that died from a collision with a vehicle	Yes, No
2.63	Do you personally know someone that was injured from a collision with a vehicle	Yes, No
2.64	Have you ever been displaced in the past (displaced by an infrastructure project)	Yes, No, Prefer not to answer If yes, please specify.

Question number	Question	Answers
Gender		
2.65	How is work divided between your spouse/husband and you	W (for woman) H (for man); Not applicable House maintenance Cleaning the house Fetching water Cooking Laundry Washing the dishes Children education Buying food
2.66	When the road was initially built, was there any cases of gender-based violence and sexual abuse amongst young women along the road. Please elaborate.	to fill
Open questions		
2.67	Do you believe that improvement (A8 South) or widening (A8) of the road will bring positive outcomes? Please elaborate.	
2.68	Do you believe that improvement (A8 South) or widening (A8) of the road will negatively impact you? Please elaborate.	
2.69	Do you have any special request from the project?	

5.3 QUESTIONNAIRE FOR STREET VENDORS (INFORMAL STREET VENDORS IN OR AROUND WELL DEMARCATED MARKETS OR WITH STALL IN THE RIGHT OF WAY (ROW) OR AT TRANSPORT JUNCTIONS)

It is impossible to plan social surveys with this category of PAPs. Therefore, the approach relies on randomly selecting street vendors to administer the questionnaire. However, thanks to the first round of public consultations, community members will be warned of social surveys.

Survey must only include adults (no children).

5.3.1 CLOSE QUESTIONS (USING TABLETS)

Question number	Question	Answer
Introduction		
	Name of the surveyor	to fill
Person surveyed		
3.1	Name of the respondent	to fill
3.2	Age of the respondent	to fill
3.3	Gender	Male, Female
3.4	Ethnic group	to fill
3.5	Type of street vendor	People selling vegetables using stalls in the ROW and outside of markets (non- moving vendors)
		People selling food using stalls in the ROW and outside of markets (non- moving vendors)
		People selling goods using stalls in the ROW and outside of markets (non-moving vendors)
		Walking vendors selling goods, vegetables or food (without any stalls) where traffic is slowing down such as city and town entrance, truck parking, junctions, etc.
		People selling vegetables inside markets (non-moving vendors)
		People selling geese
		People selling cow skins and sheep wool
		People selling plants in plant nurseries encroaching on the ROW
		Other, please specify
3.6	What do you sell	to fill
3.7	If you sell vegetable or food, what happens to the perishable when they are not sold? (Conditionally ask question in regards of the answer at Q3.5)	I eat them I lower the price I throw them away

Question number	Question	Answer
3.8	Do you have a licence to sell goods (official licence)	Yes, No, Prefer not to answer
3.9	Are you a member of an organization of street vendors	Yes, No, Prefer not to answer.
3.10	Have you been surveyed in the past for the road project	Yes, No, Prefer not to answer
3.11	How long have you worked here	to fill
3.12	Is the rainy season negatively affecting your sales?	Yes, I sell less; No, sells are the same
Livelihood		
3.13	What is your employment status ?	Self employed, Employed by a person, Prefer not to answer
3.14	How many hours a day do you work	to fill
3.15	How many hours a week do you work	to fill
3.16	Please describe a typical work day schedule	to fill
3.17	Is trading your only source of income	Yes, No, Prefer not to answer
3.18	If no, is trading your main source of income	Yes, No, Prefer not to answer
3.19	What else do you do to earn money?	
3.20	Are you the head of your household	Yes, No
3.21	Do you receive any help from your family (to work with you here)	Yes, No
3.22	Please describe your family members' work schedule	to fill
3.23	Can you give an estimate of your gross revenue from this activity (trading) per month	Yes, No
3.24	If yes, what is your gross revenue (per month)	to fill
Trading space		
3.25	Location of the person surveyed	Rural (no towns around), Entrance of a town In town, Exit of a town, Close to a market
3.26	Location of the person surveyed	A8, A8 South
3.27	Location of the person surveyed (if A8)	West side of the road (on the Rironi-Mau Summit section)
		East side of the road (on the Mau Summit – Rironi section)
3.28	Location of the person surveyed (if A8 south)	West side of the road (on the Mai Mahiu-Navaisha section)

Question number	Question	Answer
		East side of the road (on the Navaisha section – Mai Mahiu section)
3.29	Location of the person surveyed	Inside the ROW, Outside the ROW, Parking for trucks, Bus stops, On the road in an area of slow traffic
3.30	What premises do you use	Stall (moveable), Stall (fixed post), Sitting on the ground, Walking on the street, Other, please specify
3.31	Do you have to share the space with multiple street vendors	Yes, No, Prefer not to answer
3.32	How do you make sure that the location is available everyday	to fill
3.33	Do you rent the space you are using ?	Yes, No, Prefer not to answer
3.34	Who do you pay your rent to?	Local police man, Local authorities, An informal “landlord”, Prefer not to answer
3.35	Do you sometimes cross the road to sell goods?	Never, Rarely, Often, Always
3.36	If yes, at what period of the day	Morning, Mid-day, Afternoon, Evening, No specific time
Suppliers		
3.37	Where do you get your supply from	Myself (I grow and sell the vegetable or I am my own supplier of goods), Local supplier of vegetables or goods, Other (please specify)
3.38	If from a supplier, can you answer the following question What is your average benefit (in %) from selling the goods/vegetables	Conditionally ask question if the answer is Local supplier of vegetables or goods at Q3.37
3.39	Have the price from your suppliers increased or decreased in the recent years (inflation of prices)	Increased, Stayed stable, Decreased, Prefer not to answer
3.40	Do you suffer from intense competition to obtain goods/vegetables from suppliers	Yes, No, Prefer not to answer
3.41	What is the status of your supplier(s) ?	Formal supplier, Informal supplier, both, Prefer not to answer
3.42	Do you owe money to your suppliers (debts)?	Yes, No, Prefer not to answer
Family		
3.43	Where do you live (distance from here in kilometers and name of the town)	to fill

Question number	Question	Answer
3.44	How many people live in the same roof as you (your household)?	to fill
3.45	How many people from your household work	to fill
Insecurity		
3.46	Do you often face harassment from local authorities or the police	Yes, No, Prefer not to answer
3.47	Do you face harassment from truck drivers or vehicle drivers	Yes, No, Prefer not to answer
3.48	Do you sometimes have to pay bribes to local authorities or the police to remain at this place	Yes, No, Prefer not to answer
3.49	Do you sometimes face competition with other street vendors for the space you use	Yes, No, Prefer not to answer
3.50	Do you face competition with other street vendors for the products you sell	Yes, No, Prefer not to answer
3.51	Do you face physical abuse (violence) because of your work	Yes, No, Prefer not to answer
3.52	Have you ever been relocated or evicted	Yes, No, Prefer not to answer
3.53	If you are a woman, do you face gender-based violence (GBV) from men	Yes, No, Not applicable, Prefer not to answer
Vulnerability		
3.54	Are there any NGOs or organizations that work with street vendors in this area	Yes, No
3.54	If yes, please specify their names	Conditionally ask question if the answer is Yes
3.55	If yes, do they bring positive outcomes to your life	Yes, No
3.56	Who do you borrow money from when you need it?	to fill
3.57	Do you think that pollution from the traffic affects your health	Yes, No
3.58	Do you think that traffic is a safety hazard	Yes, No
3.59	Do you personally know someone that died from a collision with a vehicle	Yes, No If yes, please elaborate

Question number	Question	Answer
3.60	Do you personally know someone that was injured from a collision with a vehicle (or yourself)	Yes, No If yes, please elaborate
Hygiene		
3.61	Where do you throw your waste	Ditch, Culverts, Local rivers, Other (please specify), Prefer not to answer
3.62	Where do you go when you need to go to the toilet	In the wild, Public latrines, Other (please specify)
Education		
3.63	Can you read	Yes, No
3.64	What is the highest education level that you have achieved	No education, Primary School, Secondary School (High School), Vocational/Technical School, College Degree, University Degree, Other (please specify)
Health		
3.65	Do you have any recurrent health problems	Yes, No
3.65	If yes, please provide detail	Conditionally ask question if the answer is Yes
Nutrition		
3.66	How many meals a day do you eat (main meals)	to fill
3.67	Do you believe that you eat enough everyday	Yes, No
3.68	Do your children eat enough everyday	Yes, No
Open questions		
3.69	Why don't you use a market or a building to sell your goods/vegetables (an official designated place)	
3.70	What are the main challenges you face when working (in your own word)	
3.71	Do you believe that the road widening will bring positive outcomes? Please elaborate.	
3.72	Do you believe that the road widening will negatively impact you? Please elaborate.	

5.4 QUESTIONNAIRE FOR SHOPS WITH PHYSICAL INFRASTRUCTURES (IN A BUILDING)

It is impossible to plan social surveys with this category of PAPs. Therefore, the approach relies on randomly selecting shop owners to administer the questionnaire. However, thanks to the first round of public consultations, community members will be warned of social surveys.

5.4.1 CLOSE QUESTIONS (USING TABLETS)

Question number	Question	Answers
Introduction		
	Name of the surveyor	to fill
Person surveyed		
4.1	Exact GPS location of the shop	
4.2	Name of the business owner	to fill
4.3	Name of the respondent if business owner is absent	to fill
4.4	Age of the respondent	to fill
4.5	Gender	Male, Female
4.6	Ethnic group	to fill
4.7	Type of business	Souvenir shop
		Grocery store
		Mechanic and spare car parts
		Sim card and telephone credits
		Bar, restaurant, hotel
		Gas station
		Lumber retailer
		Furniture shop
		Hardware shop
		Drug store
		Farm input retailer
		Other, please specify
4.8	Do you have a licence to operate your business	Yes, No, Prefer not to answer
4.9	Are you a member of an organization of retailers	Yes, No, Prefer not to answer Please specify the organization:
4.10	Have you been surveyed in the past for the road project	Yes, No
4.11	Will you be displaced by the road project (are in within KeNHA ROW)	Yes, No
4.12	How many employees are working in the business	to fill
Trading space		
4.13	Location of the shop	A8, A8 South

Question number	Question	Answers
4.14	Location of the shop (if A8)	West side of the road (on the Rironi-Mau Summit section)
		East side of the road (on the Mau Summit – Rironi section)
4.15	Location of the shop (if A8 South)	West side of the road (on the Mai Mahiu-Navaisha section)
		East side of the road (on the Navaisha section – Mai Mahiu section)
4.16	Location of the shop	Inside the ROW (encroaching), Outside the ROW, Not sure of the localization in regard to the ROW
4.17	Are you the owner of the building	Yes, No
4.18	Are you the owner of the land	Yes, No, Prefer not to answer
	Do you pay a rent to someone for the space you use?	Conditionally ask question if the answer is No
4.19	Type of structure	Building made of masonry, Building made of wood, Other (please specify)
4.20	Access to electricity from the grid	Yes, No
4.21	When was the building built	to fill
4.22	Where do you throw your trash	On a pile, then I put the waste on fire, In a local river, In a ditch, the City picks the wastes, Other please specify, Prefer not to answer
4.23	Who maintains the junction (the entrance (service lane) between the highway and your business (grading, etc.))	to fill
4.24	How do vehicles access your business	The only access is from the highway (an exit), There is an access for vehicle from a service road (road parallel to the highway), There is no access for vehicle
4.25	Have you had discussions with KeNHA regarding the junction between the highway and the entrance to your business	Yes, No, Prefer not to answer
4.26	What was the outcomes of these discussions	The entrance will be maintained, The entrance will disappear, A new entrance will be built, Other (please specify), Prefer not to answer
4.27	Are you in competition with street vendors	Yes, No If yes, explain why
Family		

Question number	Question	Answers
4.28	Where do you live? (distance from here and name of the town)	to fill
4.29	How many people live under the same roof (your household)	to fill
4.30	How many people from your household work	to fill
4.31	Do your family members help you in the business	Yes, No, Not applicable, Prefer not to answer
Income		
4.32	What is the business gross revenue per month	to fill
4.33	What is the average monthly salary you pay to your employees	to fill
4.33	Do you have a single business permit?	Yes, No, Prefer not to answer
4.34	How much does this permit cost per year	to fill
4.35	Who are your main clients	Highway road users (truck drivers, car), Pedestrians coming from the nearby town, Both, Other (please specify)
4.36	Do you think that your business will be positively or negatively impacted during the construction	Positively, Negatively, I do not know
4.37	Do you think that your business will be positively or negatively impacted once the new road is in exploitation (two-way double lanes)	Positively, Negatively, I do not know
Education		
4.38	Can you read	Yes, No, Prefer not to answer
4.39	What is the highest education level that you have achieved	No education, Primary School, Secondary School (High School), Vocational/Technical School, College Degree, University Degree, Other (please specify)
Health		
4.40	Do you have any health problem	Yes, No
	If yes, please provide details	to fill
Nutrition		
4.41	How many meals a day do you eat (Main meals)	to fill

Question number	Question	Answers
4.42	Do you believe that you eat enough everyday	Yes, No
4.43	Do your children eat enough everyday	Yes, No, Not applicable
Open questions		
4.44	What are the main challenges you face when working (in your own word)	
4.45	Do you believe that the road widening will bring positive outcomes? Please elaborate.	
4.46	Do you believe that the road widening will negatively impact you? Please elaborate.	
4.47	Do you have any special request from the project	

5.5 QUESTIONNAIRE FOR CATTLE AND SHEEP OWNERS BRINGING THEIR ANIMAL ON THE ROW FOR GRAZING

It is impossible to plan social surveys with this category of PAPs. Therefore, the approach relies on randomly selecting herders to administer the questionnaire. However, thanks to the first round of public consultation, community members will be warned of social surveys.

Survey must only include adults (no children).

5.5.1 CLOSE QUESTIONS (USING TABLETS)

Question number	Question	Answers
Introduction		
	Name of the surveyor	to fill
Person surveyed		
5.1	Exact GPS location of the survey	
5.2	Name of the cattle/sheep owner	to fill
5.3	Name of the respondent if herd owner is absent	to fill
5.4	Age of the person	to fill
5.5	Gender	Male, Female
5.6	Ethnic group	to fill
5.7	Type of activity	Cattle owner
		Sheep owner
		Zebu owner
		Employee / worker
		Other, please specify
5.8	Are you a member of an organization of herders	Yes (please specify), No
5.9	Have you been surveyed in the past for the road project	Yes, No
Grazing space		
5.10	Location of the survey	A8, A8 South
5.11	Location of the survey (if A8)	West side of the road (on the Rironi-Mau Summit section)
		East side of the road (on the Mau Summit – Rironi section)
5.12	Location of the survey (if A8 south)	West side of the road (on the Mai Mahiu-Navaisha section)
		East side of the road (on the Navaisha section – Mai Mahiu section)
5.13	Do you have to share the space with multiple herders (the pasture land in the ROW)	Yes, No

Question number	Question	Answers
5.14	Does that bring conflicts?	Never, Rarely, Often, Always, Prefer not to answer
5.15	How do you make sure that the location is available everyday (the pasture land in the ROW)	to fill
5.16	Do you pay a rent to someone for the pasture land you use (the pasture land in the ROW)	Yes, No, Prefer not to answer
5.17	To whom do you pay the rent?	Local police man, Local authorities, An informal “landlord”, Other (please specify), Prefer not to answer
5.18	Do you solely use KeNHA ROW to find pasture land	Yes, No
	Where else do you bring your herd	Conditionally ask question if the answer is No
5.19	What is the significance of KeNHA ROW for your herd	Very important grazing spot, Average grazing spot, Not very important grazing spot (I easily find other places), Prefer not to answer
5.20	How many hours a day do you bring your herd to this place	to fill
5.21	Do you sometimes cross the road to bring your herd to the other side of the road	Never, Rarely, Often, Always
5.22	If yes, at what period of the day	Morning, Mid-day, Afternoon, Evening
5.23	Do you use underpass	Never, Rarely, Often, Always
5.24	If applicable, how far do you have to walk to reach the underpass	to fill for: distance in km, time to walk in minutes
5.25	How long have you used this space (the pasture land in the ROW)	to fill
5.26	How many animals have you lost due to collision with a vehicle in the last year	to fill
Livelihood		
5.27	How many cattle/sheep/zebu do you own	Cattle: Sheep: Zebu:
5.28	Is herding of livestock your only source of income	Yes, No, Prefer not to answer
5.29	what else do you do to make money	to fill
5.30	is herding of livestock your main source of income	Yes, No, Prefer not to answer
5.31	Are you the head of your household	Yes, No

Question number	Question	Answers
5.32	What is the use of your cattle/sheep	They are sold to the market for meat, They are used as guaranty for lender to borrow money for farm inputs, Dairy products, Skin, Other (please specify), Prefer not to answer
Challenges		
5.33	When is the most difficult period of the year for your livelihood activity	to fill
5.34	Where do you go to fetch water for your herd	to fill (identify location)
5.35	Have you had conflicts with other users (street vendors, pedestrians) of KeNHA ROW	Never, Rarely, Often, Always, Prefer not to answer
Family		
5.36	Where do you live (distance in km from here and name of the town)	to fill
5.37	How many people live under the same roof (your household)	to fill
5.38	How many people from your household work	to fill
5.39	Do your family members help you looking after the herd	Yes, No, Not applicable
Education		
5.40	Can you read	Yes, No, Prefer not to answer
5.41	What is the highest education level that you have achieved	No education, Primary School, Secondary School (High School), Vocational/Technical School, College Degree, University Degree, Other (please specify)
Health		
5.42	Do you have any health problem	Yes, No, Prefer not to answer
	If yes, please provide detail	to fill
Nutrition		
5.43	How many meals a day do you eat (main meal)	to fill
5.44	Do you believe that you eat enough everyday	Yes, No
5.45	Do your children eat enough everyday	Yes, No, Not applicable
Open questions		
5.46	Do you believe that the road widening will bring positive outcomes to you? Please elaborate.	

Question number	Question	Answers
5.47	Do you believe that the road widening will negatively impact you? Please elaborate.	
5.48	Widening the road means less space for your cattle to graze, will you easily find other suitable pasture land? Explain why.	
5.49	Do you have any special request from the project	

5.6 QUESTIONNAIRE FOR PASTORALIST CROSSING THE ROAD (MAASAI)

It is impossible to plan social surveys with this category of PAPs, mostly near Mai Mahiu and Longonot.

Therefore, the approach relies on randomly pastoralist to administer the questionnaire. However, thanks to the first round of public consultations, community members will be warned of social surveys.

Survey must only include adults (no children).

There is a good probability that this category of PAPs is not encountered.

5.6.1 CLOSE QUESTIONS (USING TABLETS)

Question number	Question	Answers
Introduction		
	Name of the surveyor	to fill
Person surveyed		
6.1	Exact GPS location of the survey	
6.2	Name of the cattle/sheep owner	to fill
6.3	Name of the respondent if herd owner is absent	to fill
6.4	Age of the person	to fill
6.5	Gender	Male, Female
6.6	Ethnic group	to fill
6.7	Type of activity	Cattle owner
		Sheep owner
		Zebu owner
		Tenant
		Other (please specify)
6.8	Are you a member of an organization of herders	Yes (please specify), No, Prefer not to answer
6.9	Have you been surveyed in the past for the road project	Yes, No
Use of the territory		
6.10	Location of the survey	A8, A8 South
6.11	Location of the survey (if A8)	West side of the road (on the Rironi-Mau Summit section)
		East side of the road (on the Mau Summit – Rironi section)
6.12	Location of the survey (if A8 south)	West side of the road (on the Mai Mahiu-Navaisha section)
		East side of the road (on the Navaisha section – Mai Mahiu section)
6.13	Have you ever been in a conflict for pasture land, with other farmers, etc.	Never, Rarely, Often, Always, Prefer not to answer

Question number	Question	Answers
6.14	Do you sometimes cross the road to bring your herd to the other side of the road	Never, Rarely, Often, Always, Prefer not to answer
6.15	at what period of the day	Morning, Mid-day, Afternoon, Evening
6.16	Do you use underpass	Never, Rarely, Often, Always, Prefer not to answer
6.17	how far do you have to walk to reach the underpass	to fill for: distance in km, time to walk in minutes
6.18	How many animals have you lost due to collision with a vehicle in the last year	to fill
6.19	How far do you travel with your herd (in kilometers)	to fill
6.20	Do you usually use this area for your herd	Yes, No, Prefer not to answer
Livelihood		
6.21	How many cattle/sheep do you own	Cattle: Sheep:
6.22	Is cattle herding your only source of income	Yes, No, Prefer not to answer
6.23	What else do you do to make money	to fill Conditionally ask if the answer is No at Q6.22
6.24	is herding of livestock your main source of income	Yes, No, Prefer not to answer
6.25	Are you the head of your household	Yes, No
6.26	Do you have any help from your family (to work with you)	Yes, No, Not applicable
6.27	What is the use of your cattle/sheep	They are sold to the market for meat, They are used as guaranty for lender to borrow money for farm inputs, Dairy products, Skin, Other (please specify), Prefer not to answer
Challenges		
6.28	When is the most difficult period of the year for your livelihood	to fill
6.29	Where do you go to fetch water for your herd	to fill
6.30	Have you had conflicts with other people in this area (street vendors, pedestrians)	Never, Rarely, Often, Always, Prefer not to answer
Family		
6.31	Where do you live (distance from here in km and name of the town)	to fill

Question number	Question	Answers
6.32	How many people live under the same roof (your household)	to fill
6.33	How many people from your household work	to fill
6.34	Do your family members help you looking after the herd	Yes, No, Not applicable
Education		
6.35	Can you read	Yes, No, Prefer not to answer
6.36	What is the highest education level that you have achieved	No education, Primary School, Secondary School (High School), Vocational/Technical School, College Degree, University Degree, Other (please specify)
Health		
6.37	Do you have any health problem	Yes, No, Prefer not to answer
	If yes, please provide detail	to fill Conditionally ask question if the answer is yes
Nutrition		
6.38	How many meals a day do you eat (main meal)	to fill
6.39	Do you believe that you eat enough everyday	Yes, No
6.40	Do your children eat enough everyday	Yes, No, Not applicable
Open questions		
6.41	Can you describe to us your seasonal movement with your herd in a typical year	
6.42	Do you believe that improvement of the road A8 South will bring you positive outcomes? Please elaborate.	
6.43	Do you believe that improvement of the road A8 South will negatively impact you? Please elaborate.	
6.44	Do you have any special request from the project	

6 HEALTH AND SAFETY IN THE FIELD

To avoid problems during the field, here are some indications that can guide you regarding health and safety throughout the mission.

- Throughout the fieldwork, each person needs to wear a safety vest (bright orange or yellow safety vest).
- Surveys cannot take place after 5 pm.
- It is forbidden to cross the road at all time.
- Adequate clothing to field work is also needed (e.g.: comfortable, for rain, etc.).
- The cars used in the field will be identified (ideally with the name of the local consultant) and equipped with a first aid kit and tools/materials that can be useful for some mechanical problems.
- It will be important to have the resources to stay hydrated throughout the day (bottled of water, juice, etc.).
- All teams should be required to have with them their functional cell phone set in the field to be reachable at all times.
- Each team members should have the cell phone numbers of his/her other colleagues.
- Due to the Covid-19:
 - You must wear your mask when interviewing someone;
 - All interviews should take place outside; but if the interview takes place inside the residence, the two investigators must enter to avoid any problem or incident;
 - All other Kenyan rules related to Covid-19 must be applied.

CONTACT PHONE NUMBERS

** For emergencies or questions during the surveys, contact one supervisor/coordinator of the investigation. Cell numbers are:

➤ **Coordinator/supervisor** (Julius)

Tel.:

➤ **Other team(s)**

Name:

Tel.:

Name:

Tel.:

Name:

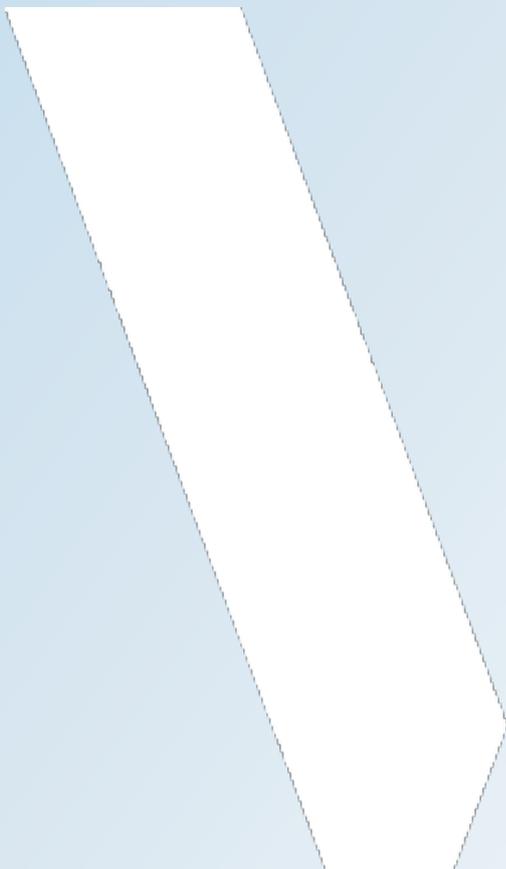
Tel.:

Name:

Tel.:

APPENDIX

5-2 *SOCIAL SURVEY QUESTIONNAIRES*



Social Survey Questionnaires

Introduction

Name of the surveyor 21

Survey Area - County :

--Click Here--	▼
1. Kiambu County	21
2. Nyandarua County	0
3. Nakuru County	0

Survey Area - Locality (Kiambu County) :

12	Limuru Town
9	Lari Town
0	Kimende Township
0	Magina Town
0	Shop 1
0	Shop 2

Survey Area - Locality (Nyandarua County) :

0	Soko Mjinga and Soko Mpya markets
---	-----------------------------------

Survey Area - Locality (Nakuru County) :

- 0 Mai Mahiu
- 0 Longonot
- 0 Karagita
- 0 Naivasha
- 0 Kinungi
- 0 Locality of Internally displaced people
- 0 Gilgil Town
- 0 Kikopey Town (place of rest of truct drivers)
- 0 Nakuru City
- 0 Unknown Town
- 0 Unknown Town 001
- 0 Unknown Town 002
- 0 Shops
- 0 Plant vendors

The questionnaire and its results will remain confidential. Only statistics will be disclosed. There will be no possibility to associate the results with any respondent.

Q0.0 Who are you surveying ?

1

1. Key informants and chiefs

5

2. Household living close to the road

6

3. Street vendors (Informal street vendors in or around well demarcated markets or with stall in the Right of Way (ROW) or at transport junctions)

5

4. Shops with physical infrastructures (in a building)

4

5. Cattle and sheeps owners bringing their animals on the ROW for grazing

0

6. Pastoralist crossing the road (Maasai)

1. Key informants and Chiefs

Person surveyed

Q1.1 Name of the Chief or key informant

1

Q1.2 Age of the respondent

1

Q1.3 Gender

1

Male

0

Female

Population

Q1.4 Name of the Locality

1

Q1.5 Population of the locality

1

Q1.6 Number of households in the locality

1

Q1.7 Do you believe that population in the locality increased or decreased in the recent years ?

1 It has increased in the recent years

0 It has stayed stable

0 It has decreased in the recent years

If it has increased, can you tell why ?

1

If it has decreased, can you tell why ?

0

Q1.8 Are most people of your locality connected to the grid ?

1 Yes

0 No

Q1.9 Are most people of your locality connected to a sewerage ?

1 Yes

0 No

Q1.10 Does most people have access to clean water (drinking water) ?

1 Yes

0 No

Where do most people fetch water ?

1

Q1.11 Do you have a domestic waste collection system in place in your locality ?

1 Yes

0 No

How are waste managed ?

0

Localization of the locality

Q1.12 Location of the locality

1

A8

0

A8 South

Q1.13 Location of the locality (if A8)

0

West side of the road (on the Rironi - Mau Summit section)

0

East side of the road (on the Mau Summit - Rironi section)

1

Both side of the road

Q1.14 Location of the locality (if A8 South)

0

West side of the road (on the Mai Mahiu - Navaisha section)

0

East side of the road (on the Navaisha - Mai Mahiu section)

0

Both side of the road

Q1.15 Is social cohesion affected by the fact that the locality is located on both side of the road ?

0

Yes

1

No

Please elaborate:

0

Q1.44 Can you list the sublocations included in your location that are touching the ROW of the project?

1

Q1.16 Can you tell us where **schools** are located in relation to the road ?

- 1 Far (more than 500 m)
- 0 Near (around 200 m)
- 0 Very near (right beside the ROW)

Q1.17 Can you tell us where **health post** or **clinics** are located in relation to the road ?

- 1 Far (more than 500 m)
- 0 Near (around 200 m)
- 0 Very near (right beside the ROW)

Q1.18 Can you tell us where other sensitive areas are located in relation to the road (**church, place of worship, public place**) ?

- 1 Far (more than 500 m)
- 0 Near (around 200 m)
- 0 Very near (right beside the ROW)

Question on the project

Q1.19 Do you know when was the actual road built ? Please provide the date.

1

Q1.20 Have you heard of this project ?

- 1 Yes
- 0 No

By which mean ?

1

Q1.21 Were some people in your locality recently displaced to make place for this project ?
Please elaborate.

1

Nuisances

Q1.22 Do people in this locality complain a lot about nuisance from the road (noise, dust, pollution) ? Please elaborate.

1

Health and safety

Q1.23 Do you know someone from this locality that died from a collision with a vehicle on this road ?

1

Yes

0

No

0

I do not know

Please elaborate:

1

Q1.24 Do you know someone from this locality that got injured from a collision with a vehicle on this road ?

1

Yes

0

No

0

I do not know

Please elaborate:

1

Q1.25 Has the road brought crime to your locality ?

1

Yes

0

No

0

I do not know

Please elaborate:

1

Gender and gender-based violence (GBV)

Q1.26 When the road was initially built, were there any cases of gender-based violence (GBV) and sexual abuse amongst young women (*along the road during construction*) ?

1

Yes

0

No

0

I do not know

0

Prefer not to answer

Please elaborate about what had happened:

1

Q1.27 Do you believe that the road is bringing problems such as prostitution, human trafficking and sexual abuse or GBV ?

1

Yes

0

No

0

I do not know

0

Prefer not to answer

Please elaborate:

1

Q1.28 Are you worried that, with the road upgrading, GBV will take place during construction ?

0

Yes

1

No

0

I do not know

0

Prefer not to answer

What should be done to avoid this ?

0

Vulnerable people

Q1.29 Who are the most vulnerable people in your community ?

1

Q1.30 Is unemployment amongst young people a problem in your community ?

1

Yes

0

No

Please elaborate:

1

Population influx

Q1.31 During the construction of the current road, was there any issue with population influx (population moving in the locality in hope to find a job) ?

1

Yes

0

No

0

I do not know

0

Prefer not to answer

Please elaborate:

1

Q1.32 With the current road, are you facing new problems of population influx (shanty towns, street vendors, etc.) ?

1 Yes

0 No

Please elaborate:

1

Drainage

Q1.33 Is the road blocking free movement of water from rivers, drains or wetlands (from one side to the other) ?

0 Yes

1 No

Needs of the community

Q1.34 In order of priority, can you list three needs in your community?

1

First
need

1

Second
need

1

Third
need

Benefits and impacts from the current road

Q1.34 What has changed since the current road was built ?

1

Q1.35 Is your locality getting any benefits from its localization close to the road ?

1

Yes

0

No

0

Prefer not to answer

Please elaborate:

1

Q1.36 Who are **benefiting** from the presence of the road (category of persons) ?

1

Q1.37 Who are **negatively impacted** by the presence of the road (category of persons) ?

1

Q1.38 Does your locality have a bus stop along the road ?

1

Yes

0

No

Q1.39 Do you believe that improvement (A8 South) or widening (A8) of the road will bring **positive outcomes** to your community ?

1

Yes

0

No

Please elaborate:

1

Q1.45 Do you believe that improvement (A8 South) or widening (A8) of the road will **negatively impact** your community ?

1

Yes

0

No

Please elaborate:

1

Q1.46 Do you have any special request from the project (jobs for young, safety measures, etc.) ?

1

Q1.47 When a person has a complaint or a conflict with a neighbour, what is the actual grievance redress mechanism in place in your locality ?

1

Q1.48 Do you have a grievance redress committee in place ?

1

Yes

0

No

Q1.49 Do you have regular contact with the Kenya National Highways Authority (**KeNHA**) when community members have complaints regarding the road and the traffic ?

1

Yes

0

No

Please elaborate:

1

2. Household living close to the road

Q2.1 Introduction

Exact GPS location of the house 5

Name of the locality 5

Person surveyed

Q2.2 Name of the head of the household

5

Q2.3 Name of the respondent if head of the household is absent

5

Q2.4 Age of the person

5

Q2.5 Gender

1

Male

4

Female

Q2.6 Ethnic group

5

Q2.7 Matrimonial status

2

Single

3

Married

0

Widow

Q2.8 Number of person permanently living under the same roof

5

Question on the project

Q2.9 Have you heard of the project ?

4

Yes

1

No

Q2.10 If you have heard of the project, by which mean ?

- 1 Chief
- 1 During a previous public consultation
- 0 by KeNHA
- 1 Discussion with neighbours
- 1 Other

Please specify:

1

Household situation

Q2.11 Characteristic of the wall of the house (type of material)

- 1 Masonry
- 0 Wood
- 4 Other

Please specify:

4

Q2.12 Characteristic of the roof of the house (type of material)

- 4 Corrugated iron sheet
- 0 Wood
- 1 Other

Please specify:

1

Q2.13 Dimension of the house (exterior dimension **in meters**):

Length: 5

Width: 5

Q2.14 Take a picture (if possible)

2

Q2.15 Please provide with age and gender all person living under the same roof:

Person 1: 5

Person 2: 5

Person 3: 4

Person 4: 3

Person 5: 1

Person 6: 0

Person 7: 0

Person 8: 0

Person 9: 0

Person 10: 0

More than 10
(how many
additionnal
persons?
Specify the
number only): 0

Q2.16 Source of energy

5

Grid

0

Personal generator

0

Community generator

0

Other

Please specify:

0

Q2.17 Source of drinking water

- 2 City water (pipes)
- 2 Personal well
- 0 Public well
- 0 I buy bottles
- 0 River
- 1 Other

Please specify:

1

Q2.18 Toilets

- 4 Personal latrines
- 1 Community latrines
- 0 Open defecation
- 0 Other

Please specify:

0

Q2.19 Where do you throw your trash ?

- 4 On a pile then I put the waste on fire
- 0 In a local river
- 1 In a ditch
- 0 the City picks the wastes
- 0 Other

Please specify:

0

Q2.20 Location of the house

5

A8

0

A8 South

Q2.21 Location of the house (if A8)

3

West side of the road (on the Rironi-Mau Summit section)

2

East side of the road (on the Mau Summit-Rironi section)

Q2.22 Location of the house (if A8 South)

0

West side of the road (on the Mai Mahiu-Navaisha section)

0

East side of the road (on the Navaisha-Mai Mahiu section)

Q2.23 Location of the house

3

Inside the ROW (encroaching)

1

Outside the ROW

1

Not sure of the localization in regards to the ROW

Q2.24 How often do you go to the other side of the road ?

0

Never

1

Rarely

1

Often

3

Everyday

Q2.25 When do you go to the other side ? *(several possible answers)*

5

Morning

5

Day

5

Evening

3

Night

Q2.26 Why do you go to the other side of the road ? (*several possible answers*)

- 2 To meet with family member or friends
- 1 To go to work
- 4 To access town services
- 2 Other

Please specify:

2

Q2.27 How do you cross the road ? (*several possible answers*)

- 0 By using an underpass
- 0 By using a pedestrian crossing
- 0 By using an overpass
- 5 I just cross the road

Tenure

Q2.28 Are you the owner of your house ?

- 3 Yes
- 2 No
- 0 Prefer not to answer

Q2.29 Are you the owner of the land ?

- 3 Yes
- 2 No
- 0 Prefer not to answer

Q2.30 Do you pay a rent to someone ?

2

Yes

0

No

0

Prefer not to answer

Q2.31 When was the house built (**Please specify the year it was built**)?

5

Livelihood

Q2.32 What is your main livelihood activity ?

5

Q2.33 Where do you work (where is this **main livelihood activity** taking place) ?

0

In the ROW

3

In the locality

1

In the field (I am a farmer)

0

At my business location

1

Other

Please specify:

1

Please specify what you do in the ROW:

0

Q2.34 How much money do you earn **per month** with this main livelihood activity (gross revenue) ?

5

Q2.35 Do you have a secondary livelihood activity ?

3

Yes

2

No

Maintenancy of the house	1	1	0	0	1	1	0	1	0	0
Electricity	0	0	1	0	0	1	2	0	1	0
Water supply	2	0	1	1	0	0	0	0	0	1
Health	0	0	0	0	1	1	1	0	0	2
Children's school fees	2	0	0	0	1	0	0	0	1	1
Reimbursements of debts/loans	4	0	0	0	0	1	0	0	0	0
Farming inputs	3	0	1	0	0	0	1	0	0	0
Social obligation (wedding, funeral, etc.)	0	0	2	0	2	1	0	0	0	0

Q2.42 Is there a time of the year when your household finances are more difficult ?

5

Yes

0

No

0

Prefer not to answer

Q2.43 Please mention when and why ?

5

Education

Q2.44 Can you read ?

5

Yes

0

No

0

Prefer not to answer

Q2.45 What is the highest education level that you have achieved ?

- 0 No education
- 3 Primary School
- 0 Secondary School (High School)
- 1 Vocational/Technical School
- 1 College Degree
- 0 University Degree
- 0 Other

Please specify:

0

Health

Q2.46 Do you have any recurrent health problems ?

- 2 Yes
- 3 No

Please provide details:

2

Q2.47 Where do you go when you have health problems ? (*several possible answers*)

- 2 Dispensary
- 1 Medical Clinic (private practice health facility)
- 2 Hospital
- 0 Other

Please specify:

0

Nutrition

Q2.48 How many meals a day do you eat (**main meal**) ?

5

Q2.49 Do you believe that you eat enough everyday ?

5

Yes

0

No

Q2.50 Do your children eat enough everyday ?

5

Yes

0

No

0

Not applicable

Locomotion

Q2.51 Do you own a motorised means of locomotion (car, moto, truck, etc.) ?

2

Yes

3

No

Please specify (type(s) of locomotion):

2

How do you travel (means, by example walk, bicycle, bus, etc.)?

3

Vulnerability

Q2.52 When you compare your household's situation to your neighbours, do you feel:

0

Richer than my neighbours

4

Average with my neighbours

0

Poorer than my neighbours

1

Prefer not to answer

Please specify:

4

Q2.53 Who do you ask if you need to borrow money ?

5

Q2.54 Do you have debts ?

1

Yes

4

No

0

Prefer not to answer

Q2.55 Do you have savings ?

2

Yes

3

No

0

Prefer not to answer

Q2.56 Do you have a bank account ?

3

Yes

2

No

0

Prefer not to answer

Q2.57 Does your spouse/husband have **access to your bank account** ?

1

Yes

1

No

1

Not applicable

0

Prefer not to answer

Q2.58 Does your spouse/husband have a **personal bank account** ?

0
Yes

2
No

3
Not applicable

Q2.59 Do you think that pollution from the traffic affects your health ?

2
Yes

3
No

Q2.60 Do you think that traffic is a safety hazard ?

4
Yes

1
No

Q2.61 Are you irritated by traffic noise ?

1
Yes

4
No

Q2.62 Do you personally know someone that died from a collision with a vehicle ?

2
Yes

3
No

Q2.63 Do you personally know someone that was injured from a collision with a vehicle ?

3
Yes

2
No

Q2.64 Have you ever been displaced in the past (displaced by an infrastructure project) ?

- 0 Yes
- 5 No
- 0 Prefer not to answer

Please specify:

0

Gender

Q2.65 How is work divided between your spouse/husband and you ?

	Woman	Man	Not applicable
House maintenance	2	2	1
Cleaning the house	5	0	0
Fetching water	4	0	1
Cooking	5	0	0
Laundry	5	0	0
Washing the dishes	5	0	0
Children education	2	1	2
Buying food	3	3	0

Q2.66 When the road was initially built, was there any cases of gender-based violence and sexual abuse amongst young women along the road ? Please elaborate.

5

Open questions

Q2.67 Do you believe that improvement (A8 South) or widening (A8) of the road will bring **positive outcomes** ? Please elaborate.

5

Q2.68 Do you believe that improvement (A8 South) or widening (A8) of the road will **negatively impact** you ?

5

Q2.69 Do you have any special request from the project ?

5

3. Street vendors (Informal street vendors in or around well demarcated markets or with stall in the Right of Way (ROW) or at transport junctions)

Person surveyed

Q3.1 Name of the respondent

6

Q3.2 Age of the respondent

6

Q3.3 Gender

4

Male

2

Female

Q3.4 Ethnic group

6

Q3.5 Type of street vendor

1

People selling **vegetables** using stalls in the ROW and outside of markets (non-moving vendors)

3

People selling **food** using stalls in the ROW and outside of markets (non-moving vendors)

1

People selling **goods** using stalls in the ROW and outside of markets (non-moving vendors)

1

Walking vendors selling goods, vegetables or food (without any stalls) where traffic is slowing down such as city and town entrance, truck parking, junctions, etc.

0

People selling vegetables inside markets (non-moving vendors)

0

People selling geese

0

People selling cow skins and sheep wool

0

People selling plants in plant nurseries encroaching on the ROW

0

Other

Please specify:

0

Q3.6 What do you sell ?

6

Q3.7 If you sell vegetable or food, what happens to the perishable when they are not sold ?

2

I eat them

0

I lower the price

1

I throw them away

2

Not applicable

Q3.8 Do you have a licence to sell goods (official licence) ?

0

Yes

6

No

0

Prefer not to answer

Q3.9 Are you a member of an organization of street vendors ?

3

Yes

3

No

0

Prefer not to answer

Q3.10 Have you been surveyed in the past for the road project ?

4

Yes

2

No

0

Prefer not to answer

Q3.11 Since how many years have you worked here ?

6

Q3.12 Is the rainy season negatively affecting your sales ?

5

Yes, I sell less

1

No, sells are the same

Livelihood

Q3.13 What is your employment status ?

6

Self employed

0

Employed by a person

0

Prefer not to answer

Q3.14 How many hours **a day** do you work ?

6

Q3.15 How many days **a week** do you work ?

6

Q3.16 Please describe a typical work day schedule

6

Q3.17 Is trading your only source of income ?

5

Yes

1

No

0

Prefer not to answer

Q3.18 Is trading your main source of income ?

1

Yes

0

No

0

Prefer not to answer

Q3.19 What else do you do to earn money ?

1

Q3.20 Are you the head of your household ?

5

Yes

1

No

Q3.21 Does another member of your family also work here with you ?

1

Yes

5

No

Q3.22 Please describe a typical family members' work schedule:

1

Q3.23 Can you give an estimate of your gross revenue from this activity (trading) **per month** ?

6

Yes

0

No

Q3.24 What is your gross revenue (**per month**) ?

6

Trading space

Q3.25 Location of the person surveyed (*several possible answers*)

0

Rural (no town around)

2

Entrance of a town

1

In town

3

Exit of a town

0

Close to a market

Q3.26 Location of the person surveyed (road)

6

A8

0

A8 South

Q3.27 Location of the person surveyed compared to the A8 road

6

West side of the road (on the Rironi - Mau Summit section)

0

Est side of the road (on the Mau Summit - Rironi section)

Q3.28 Location of the person surveyed compared to the A8 South road

0

West side of the road (on the Mai Mahiu - Navaisha section)

0

East side of the road (on the Navaisha - Mai Mahiu section)

Q3.29 Location of the person surveyed

- 6 Inside the ROW
- 0 Outside the ROW
- 0 Parking for trucks
- 0 Bus stops
- 0 On the road in an area of slow traffic

Q3.30 What premises do you use ?

- 5 Stall (moveable)
- 0 Stall (fixed post)
- 0 Sitting on the ground
- 1 Walking on the street
- 0 Other

Please specify:

0

Q3.31 Do you have to share the space with multiple street vendors ?

- 2 Yes
- 4 No
- 0 Prefer not to answer

Q3.32 How do you make sure that the location is available everyday ?

6

Q3.33 Do you rent the space you are using ?

- 0 Yes
- 6 No
- 0 Prefer not to answer

Q3.34 Who do you pay your rent to?

- 0 Local police man
- 0 Local authorities
- 0 An informal "landlord"
- 0 Prefer not to answer

Q3.35 Do you sometimes cross the road to sell goods ?

- 2 Never
- 1 Rarely
- 2 Often
- 1 Always

Q3.36 At what period of the day do you cross the road ? (*several possible answers*)

- 0 Morning
- 0 Mid-day
- 0 Afternoon
- 1 Evening
- 3 No specific time

Suppliers

Q3.37 Where do you get your supply from ?

- 0 Myself (I grow and sell the vegetables or I am my own supplier of goods)
- 6 Local supplier of vegetables or goods
- 0 Other

Please specify:

0

Q3.38 What is your average benefit (in %) from selling the vegetables/goods ?

6

Q3.39 Have the price from your suppliers increased or decreased in the recent years (inflation of prices) ?

- 4 Increased
- 2 Stayed stable
- 0 Decreased
- 0 Prefer not to answer

Q3.40 Do you suffer from intense competition to obtain vegetables/goods from suppliers ?

- 2 Yes
- 4 No
- 0 Prefer not to answer

Q3.41 What is the status of your supplier(s) ?

- 3 Formal supplier
- 2 Informal supplier
- 1 Both
- 0 Prefer not to answer

Q3.42 Do you owe money to your suppliers (debts) ?

- 1 Yes
- 5 No
- 0 Prefer not to answer

Family

Q3.43 Where do you live (distance from here **in kilometers** and name of the town) ?

- Distance from here (km) 6
- Name of the town 6

Q3.44 How many people live under the same roof as you (your household) ?

6

Q3.45 How many people from your household work ?

6

Insecurity

Q3.46 Do you often face harassment from local authorities or the police ?

- 1 Yes
- 5 No
- 0 Prefer not to answer

Q3.47 Do you face harassment from truck drivers or vehicle drivers ?

- 1 Yes
- 5 No
- 0 Prefer not to answer

Q3.48 Do you sometimes have to pay bribes to local authorities or to the police to remain at this place ?

0

Yes

6

No

0

Prefer not to answer

Q3.49 Do you sometimes face competition with other street vendors **for the space** you use ?

1

Yes

4

No

0

Prefer not to answer

Q3.50 Do you face competition with other street vendors **for the products** you sell ?

4

Yes

2

No

0

Prefer not to answer

Q3.51 Do you face physical abuse (violence) because of you work ?

0

Yes

6

No

0

Prefer not to answer

Q3.52 Have you ever been relocated or evicted ?

3

Yes

3

No

0

Prefer not to answer

Q3.53 If you are a women, do you face gender-based violence (GBV) from men ?

- 0 Yes
- 2 No
- 4 Not applicable
- 0 Prefer not to answer

Vulnerability

Q3.54 Are there any NGOs or organizations that work with street vendors in this area ?

- 0 Yes
- 6 No

Please specify their names:

0

Q3.55 Do they bring positive outcomes to your life ?

- 0 Yes
- 0 No

Q3.56 Who do you borrow money from when you need it ?

6

Q3.57 Do you think that pollution from the traffic affects your health ?

- 3 Yes
- 3 No

Q3.58 Do you think that traffic is a safety hazard ?

- 5 Yes
- 1 No

Q3.59 Do you personally know someone that died from a collision with a vehicle ?

1 Yes

5 No

Please elaborate:

1

Q3.60 Do you personally know someone that was injured from a collision with a vehicle (or yourself) ?

1 Yes

5 No

Please elaborate:

1

Hygiene

Q3.61 Where do you mostly throw your waste ? *(several possible answers)*

2 Ditch

0 Culverts

0 Local rivers

5 Other

0 Prefer not to answer

Please specify:

5

Q3.62 Where do you go when you need to go to the toilet ?

0 In the wild

4 Public latrines

2 Other

Please specify:

2

Education

Q3.63 Can you read

6

Yes

0

No

Q3.64 What is the highest level of education that you have achieved ?

0

No education

4

Primary School

2

Secondary School (High School)

0

Vocational/Technical School

0

College Degree

0

University Degree

0

Other

Please specify:

0

Health

Q3.65 Do you have any recurrent health problems ?

1

Yes

5

No

Please provide details:

1

Nutrition

Q3.66 How many meals a day do you eat (**main meals**) ?

6

Q3.67 Do you believe that you eat enough everyday ?

4

Yes

2

No

Q3.68 Do your children eat enough everyday ?

5

Yes

1

No

0

Not applicable

Open questions

Q3.69 Why don't you use a market or a building to sell your goods/vegetables (an official designated place) ?

6

Q3.70 What are the main challenges you face when working (in your own words) ?

6

Q3.71 Do you believe that the road widening will bring **positive outcomes** ? Please elaborate.

6

Q3.72 Do you believe that the road widening will **negatively impact** you ? Please elaborate.

6

4. Shops with physical infrastructures (in a building)

Person surveyed:

Q4.1 Exact **GPS location** of the shop

5

Q4.2 Name of the business owner

5

Q4.3 Name of the respondent if the business owner is absent

5

Q4.4 Age of the respondent

5

Q4.5 Gender

3

Male

2

Female

Q4.6 Ethnic group

5

Q4.7 Type of business

--Click Here--	
Souvenir shop	0
Grocery store	1
Mechanic and spare car parts	1
Sim card and telephone credits	0
Bar, restaurant, hotel	1
Gas station	0
Lumber retailer	0
Furniture shop	0
Hardware shop	0
Drug store	0
Farm input retailer	0
Other	2

Please specify:

2

Q4.8 Do you have a licence to operate your business ?

2

Yes

3

No

0

Prefer not to answer

Q4.9 Are you a member of an organization of retailers ?

0

Yes

5

No

0

Prefer not to answer

Please specify the organization:

0

Q4.10 Have you been surveyed in the past for the road project ?

2 Yes

3 No

Q4.11 Will you be displaced by the road project (are in within KeNHA ROW) ?

3 Yes

2 No

Q4.12 How many employee are working in the business ?

5

Trading space

Q4.13 Location of the shop:

5 A8

0 A8 South

Q4.14 Location of the shop (if A8):

5 West side of the road (on the Rironi-Mau Summit section)

0 East side of the road (on the Mau Summit-Rironi section)

Q4.15 Location of the shop (if A8 South):

0 West side of the road (on the Mai Mahiu-Navaisha section)

0 East side of the road (on the Navaisha-Mai Mahiu section)

Q4.16 Location of the shop:

2 Inside the ROW (encroaching)

2 Outside the ROW

1 Not sure of the localization in regards to the ROW

Q4.17 Are you the owner of the building ?

2 Yes

3 No

Q4.18 Are you the owner of the land ?

1 Yes

4 No

0 Prefer not to answer

Do you pay a rent to someone for the space you use ? Please specify to whom.

4

Q4.19 Type of structure

0 Building made of masonry

4 Building made of wood

1 Other

Please specify:

1

Q4.20 Access to electricity from the grid ?

3 Yes

2 No

Q4.21 When was the building built ? (**Please specify the year it was built**)

5

Q4.22 Where do you throw your trash ? (*several possible answers*)

2 On a pile, then I put the waste on fire

0 In a local river

0 In a ditch

3 the City picks the wastes

0 Other

0 Prefer not to answer

Please specify:

0

Q4.23 Who maintain the entrance (service lane) between the highway and your business (grading, etc.) ?

5

Q4.24 How do vehicules access your business ?

3 The only access is from the highway (an exit)

0 There is an access for vehicule from a service road (road parallel to the highway)

2 There is no access for vehicule

Q4.25 Have you had discussions with KeNHA regarding the junction between the highway and the entrance to your business ?

0 Yes

5 No

0 Prefer not to answer

Q4.26 What was the outcomes of these discussions ?

- 0 The entrance will be maintained
- 0 The entrance will disappear
- 0 A new entrance will be built
- 0 Other
- 0 Prefer not to answer

Please specify:

0

Q4.27 Are you in competition with street vendors ?

- 1 Yes
- 4 No

Please explain why:

1

Family

Q4.28 Where do you live (distance from here **in kilometers** and name of the town) ?

Distance (km) 5
Name of the town 4

Q4.29 How many people live under the same roof as you (your household) ?

5

Q4.30 How many people from your household work ?

5

Q4.31 Do your family members help you in the business ?

- 3 Yes
- 2 No
- 0 Not applicable
- 0 Prefer not to answer

Income

Q4.32 What is the business gross revenue **per month** ?

5

Q4.33 What is the average **monthly salary** you pay to your employees ?

5

Q4.34 Do you have a single business permit ?

- 2 Yes
- 3 No
- 0 Prefer not to answer

How much does this permit cost **per year**?

2

Q4.35 Who are your main clients ?

- 0 Highway road users (truck drivers, car)
- 3 Pedestrians coming from the nearby town
- 1 Both
- 1 Other

Please specify:

1

Q4.36 Do you think that your business will be positively or negatively impacted **during the construction** ?

0 Positively impacted

4 Negatively impacted

1 I do not know

Q4.37 Do you think that your business will be positively or negatively impacted **once the new road is in exploitation** (two-ways double lanes) ?

3 Positively impacted

2 Negatively impacted

0 I do not know

Education

Q4.38 Can you read ?

5 Yes

0 No

0 Prefer not to answer

Q4.39 What is the highest level of education that you have achieved ?

0 No education

2 Primary School

1 Secondary School (High School)

0 Vocational/Technical School

2 College Degree

0 University Degree

0 Other

Please specify:

0

Health

Q4.40 Do you have any health problem ?

1

Yes

4

No

Please provide details:

1

Nutrition

Q4.41 How many meals a day do you eat (**main meals**) ?

5

Q4.42 Do you believe that you eat enough everyday ?

5

Yes

0

No

Q4.43 Do your children eat enough everyday ?

4

Yes

0

No

1

Not applicable

Open questions

Q4.44 What are the main challenges you face when working (in your own words) ?

5

Q4.45 Do you believe that the road widening will bring **positive outcomes** ? Please elaborate.

5

Q4.46 Do you believe that the road widening will **negatively impact** you ? Please elaborate.

5

Q4.47 Do you have any special request from the project ?

5

5. Cattle and sheeps owners bringing their animals on the ROW for grazing

Person surveyed

Q5.1 Exact GPS location of the survey

4

Q5.2 Name of the cattle/sheep owner

4

Q5.3 Name of the respondent if herd owner is absent

4

Q5.4 Age of the person

4

Q5.5 Gender

4

Male

0

Female

Q5.6 Ethnic group

4

Q5.7 Type of activity (*several possible answers*)

0

Cattle owner

3

Sheep owner

0

Zebu owner

0

Employee / worker

1

Other

Please specify :

1

Q5.8 Are you a member of an organization of herders ?

1

Yes

3

No

Please specify:

1

Q5.9 Have you been surveyed in the past for the road project ?

1 Yes

3 No

Grazing space

Q5.10 Location of the survey

4 A8

0 A8 South

Q5.11 Location of the survey (if A8)

4 West side of the road (on the Rironi-Mau Summit section)

0 East side of the road (on the Mau Summit-Rironi section)

Q5.12 Location of the survey (if A8 South)

0 West side of the road (on the Mai Mahiu-Navaisha section)

0 East side of the road (on the Navaisha-Mai Mahiu section)

Q5.13 Do you have to share the space with multiple herders (the pasture land in the ROW) ?

3 Yes

1 No

Q5.14 Does that bring conflicts ?

2 Never

1 Rarely

0 Often

0 Always

0 Prefer not to answer

Q5.15 How do you make sure that the location is available everyday (the pasture land in the ROW) ?

4

Q5.16 Do you pay a rent to someone for the pasture land you use (the pasture land in the ROW) ?

0

Yes

4

No

0

Prefer not to answer

Q5.17 To whom do you pay the rent ?

0

Local police man

0

Local authorities

0

An informal landlord

0

Other

0

Prefer not to answer

Please specify:

0

Q5.18 Do you solely use KeNHA ROW to find pasture land ?

2

Yes

2

No

Where else do you bring your herd ?

2

Q5.19 What is the significance of KeNHA ROW for your herd ?

- 0 Very important grazing spot
- 1 Average grazing spot
- 1 Not very important grazing spot (I easily find other places)
- 0 Prefer not to answer

Q5.20 How many hours a day do you bring your herd to this place ?

4

Q5.21 Do you sometimes cross the road to bring your herd to the other side of the road ?

- 3 Never
- 0 Rarely
- 1 Often
- 0 Always

Q5.22 At what period of the day do you bring your herd to the other side of the road ? (*several possible answers*)

- 1 Morning
- 1 Mid-day
- 1 Afternoon
- 0 Evening

Q5.23 Do you use underpass ?

- 3 Never
- 1 Rarely
- 0 Often
- 0 Always

Q5.24 How far do you have to walk to reach the underpass (in kilometers) ?

Distance 1
(km)

Time to walk 1
(minutes)

Q5.25 How long have you used this space (the pasture land in the ROW) ?

4

Q5.26 How many animal have you lost due to collision with a vehicule in the last year ?

4

Livelihood

Q5.27 How many cattle, sheep or zebu do you own ?

Cattle 4

Sheep 4

Zebu 4

Q5.28 Is herding of livestock your only source of income ?

1

Yes

3

No

0

Prefer not to answer

Q5.29 What else do you do to earn money ?

3

Q5.30 Is herding of livestock your main souce of income ?

1

Yes

2

No

0

Prefer not to answer

Q5.31 Are you the head of your household ?

4

Yes

0

No

Q5.32 What is the use of your cattle/sheep ? (*several possible answers*)

4

They are sold to the market for meat

0

They are used as guaranty for lender to borrow money for farm inputs

0

Dairy products

0

Skin

1

Other

0

Prefer not to answer

Please specify:

1

Challenges

Q5.33 When is the most difficult period of the year for your livelihood activity ?

4

Q5.34 Where do you go to fetch water for your herd (identify location) ?

4

Q5.35 Have you had conflicts with other users (street vendors, pedestrians) of KeNHA ROW ?

3

Never

0

Rarely

1

Often

0

Always

0

Prefer not to answer

Family

Q5.36 Where do you live (distance from here **in kilometers** and name of the town)?

Distance from here (km) 4

Name of the town 4

Q5.37 How many people live under the same roof as you (your household) ?

4

Q5.38 How many people from your household work ?

4

Q5.39 Do your family members help you looking after the herd ?

2

Yes

2

No

0

Not applicable

Education

Q5.40 Can you read ?

3

Yes

1

No

0

Prefer not to answer

Q5.41 What is the highest level of education that you have achieved ?

1

No education

0

Primary School

2

Secondary School (High School)

1

Vocational/Technical School

0

College Degree

0

University Degree

0

Other

Please specify:

0

Health

Q5.42 Do you have any health problem ?

0

Yes

4

No

0

Prefer not to answer

Please provide details:

0

Nutrition

Q5.43 How many meals a day do you eat (**main meal**) ?

4

Q5.44 Do you believe that you eat enough everyday ?

4

Yes

0

No

Q5.45 Do your children eat enough everyday ?

3

Yes

0

No

1

Not applicable

Open questions

Q5.46 Do you believe that the road widening will bring **positive outcomes** to you ? Please elaborate.

4

Q5.47 Do you believe that the road widening will **negatively impact** you ? Please elaborate.

4

Q5.48 Widening the road means less space for your cattle to graze, will you easily find other suitable pasture land ? Explain why.

4

Q5.49 Do you have any special request from the project ?

4

6. Pastoralist crossing the road (Maasai)

Q6.1 Exact GPS location of the survey:

0

Q6.2 Name of the cattle/sheep owner

0

Q6.3 Name of the respondent if herd owner is absent

0

Q6.4 Age of the respondent

0

Q6.5 Gender

0

Male

0

Female

Q6.6 Ethnic group

0

Q6.7 Type of activity (*several possible answers*)

0

Cattle owner

0

Sheep owner

0

Zebu owner

0

Tenant

0

Other

Please specify:

0

Q6.8 Are you a member of an organization of herders ?

0

Yes

0

No

0

Prefer not to answer

Please specify:

0

Q6.9 Have you been surveyed in the past for the road project ?

0

Yes

0

No

Use of the territory

Q6.10 Location of the survey

0

A8

0

A8 South

Q6.11 Location of the survey (if A8)

0

West side of the road (on the Rironi-Mau Summit section)

0

East side of the road (on the Mau Summit-Rironi section)

Q6.12 Location of the survey (if A8 South)

0

West side of the road (on the Mai Mahiu-Navaisha section)

0

East side of the road (on the Navaisha-Mai Mahiu section)

Q6.13 Have you ever been in a conflict for pasture land, with other farmers, etc. ?

0

Never

0

Rarely

0

Often

0

Always

0

Prefer not to answer

Q6.14 Do you sometimes cross the road to bring your herd to the other side of the road ?

0

Never

0

Rarely

0

Often

0

Always

0

Prefer not to answer

Q6.15 At what period of the day do you cross the road to bring your herd to the other side of the road ? (*several possible answers*)

0

Morning

0

Mid-day

0

Afternoon

0

Evening

Q6.16 Do you use underpass ?

0

Never

0

Rarely

0

Often

0

Always

0

Prefer not to answer

Q6.17 How far do you have to walk to reach the underpass (**distance in kilometers and time in minutes**)?

Distance 0
(km)

Time to walk 0
(minutes)

Q6.18 How many animals have you lost due to collision with a vehicle in the last year ?

0

Q6.19 How far do you travel with your herd (in kilometers)?

0

Q6.20 Do you usually use this area for your herd ?

0

Yes

0

No

0

Prefer not to answer

Livelihood

Q6.21 How many cattle/sheep do you own ?

Cattle 0

Sheep 0

Q6.22 Is cattle herding your only source of income ?

0

Yes

0

No

0

Prefer not to answer

Q6.23 What else do you do to earn money ?

0

Q6.24 Is cattle herding your main source of income ?

0

Yes

0

No

0

Prefer not to answer

Q6.25 Are you head of your household ?

0

Yes

0

No

Q6.26 Do you have any help from your family (to work with you) ?

0

Yes

0

No

0

Not applicable

Q6.27 What is the use of your cattle/sheep ? (*several possible answers*)

0

They are sold to the market for meat

0

They are used as guaranty for lender to borrow money for farm inputs

0

Dairy products

0

Skin

0

Other

0

Prefer not to answer

Please specify:

0

Challenges

Q6.28 When is the most difficult period of the year for your livelihood ?

0

Q6.29 Where do you go to fetch water for your herd ?

0

Q6.30 Have you had conflicts with other people in this area (street vendors, pedestrians, etc.) ?

- 0 Never
- 0 Rarely
- 0 Often
- 0 Always
- 0 Prefer not to answer

Family

Q6.31 Where do you live (distance from here **in kilometers** and name of the town)?

Distance
from here 0
(km)
Name of the 0
town

Q6.32 How many people live under the same roof (your household) ?

0

Q6.33 How many people from your household work ?

0

Q6.34 Do your family members help you looking after the herd ?

- 0 Yes
- 0 No
- 0 Not applicable

Education

Q6.35 Can you read ?

- 0 Yes
- 0 No
- 0 Prefer not to answer

Q6.36 What is the highest education level that you have achieved ?

- 0 No education
- 0 Primary School
- 0 Secondary School (High School)
- 0 Vocational/Technical School
- 0 College Degree
- 0 University Degree
- 0 Other

Please specify:

0

Health

Q6.37 Do you have any health problem ?

- 0 Yes
- 0 No
- 0 Prefer not to answer

Please provide details:

0

Nutrition

Q6.38 How many meals a day do you eat (**main meal**)?

0

Q6.39 Do you believe that you eat enough everyday ?

- 0 Yes
- 0 No

Q6.40 Do your children eat enough everyday ?

0

Yes

0

No

0

Not applicable

Open questions

Q6.41 Can you describe to us your seasonal movement with your herd in a typical year:

0

Q6.42 Do you believe that improvement of the road A8 South will bring you **positive outcomes** ?
Please elaborate.

0

Q6.43 Do you believe that improvement of the road A8 South will **negatively impact** you ? Please elaborate.

0

Q6.44 Do you have any special request for the project ?

0

Any special notes from the surveyor :

10

If you want to take a picture of a point of interest for the survey you can do it here - **BUT** do not take a picture of the interviewed person

17

End of the survey!

APPENDIX

6-1 *AIR QUALITY SURVEY PHOTOGRAPHS*



Photos- A1



Description

Minivol samplers at
sampling A1



Area around sampling
point A1



A1 sampling point with the minivol samplers



Passive Air samplers at sampling point A1



A1 PM sampling point-
residential homes



A1 gases sampling
point – residential
homes and a church

Photos- A2

Description



Minivol samplers at sampling point A2



Sampling point A2- church compound



Sampling point A2- church compound



Sampling point A2- main highway and a service lane



Passive air samplers at sampling point A2



Minivol air samplers sampling point A2

Photos- A3

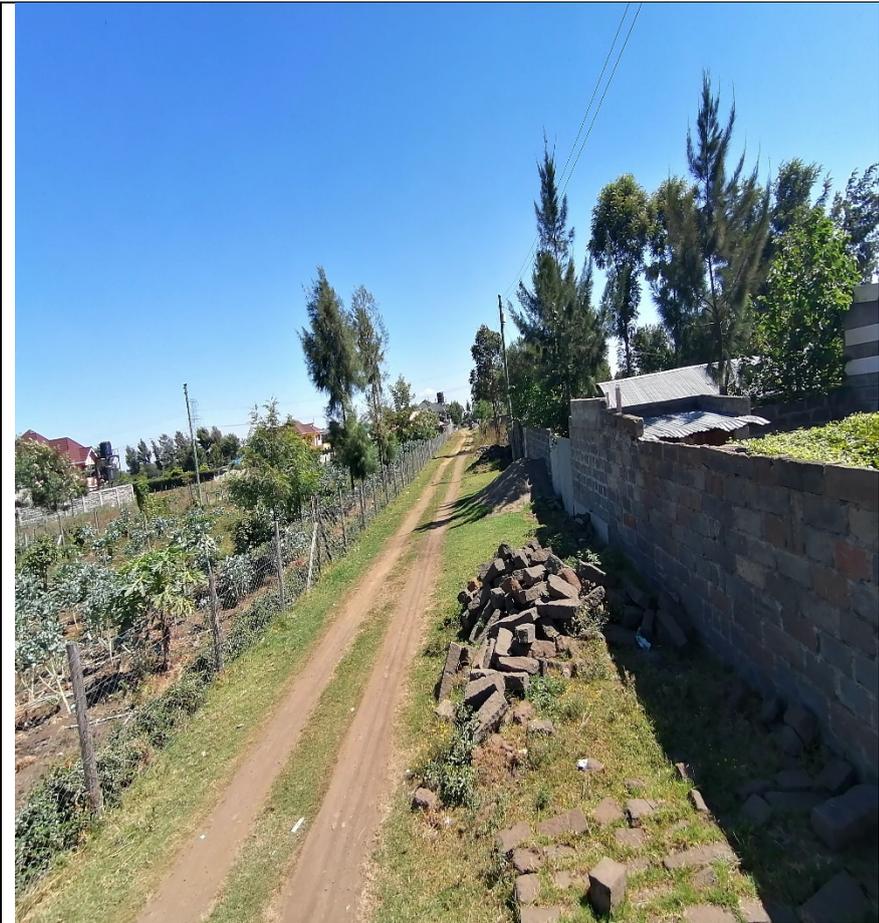


Description

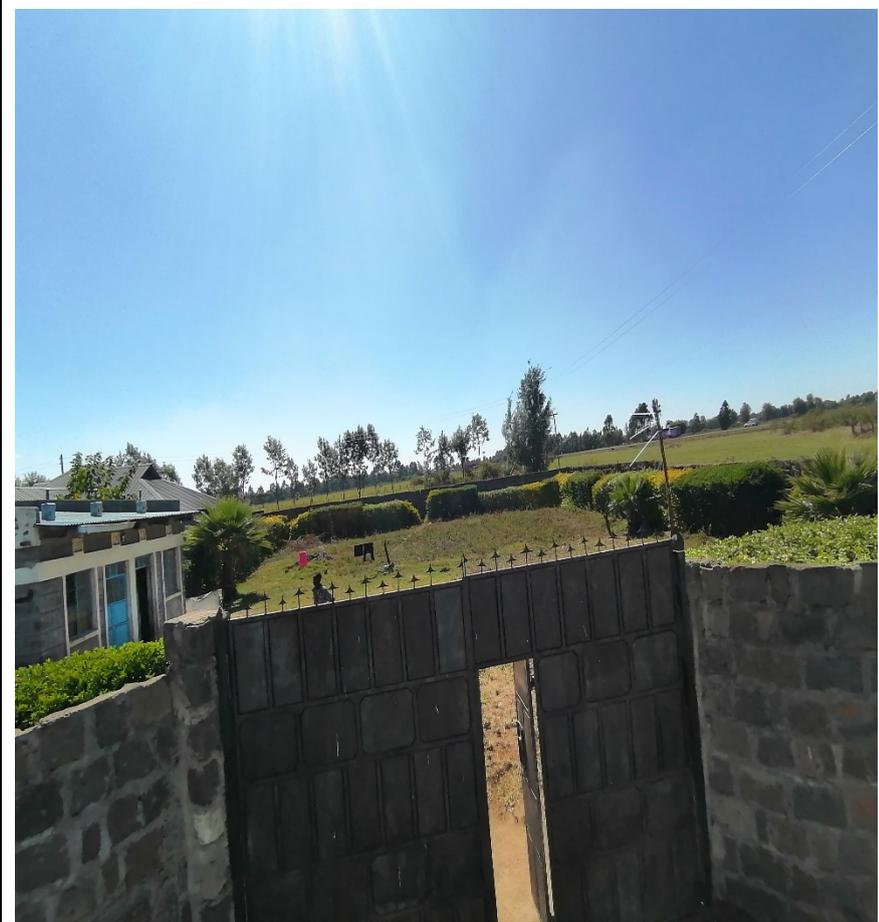
Minivol samplers at
sampling point A3



Area around sampling
point A3



Area around sampling point A3



Sampling point A3- Residential home



Passive samplers at
sampling point A3

APPENDIX

6-2 *NOISE SURVEY – WEATHER CONDITION DATA*



4th ROADMAP

PROJECT : NNM ROAD PROJECT SURVEY: NOISE
 LOCATION: S1 DATE : 2/3/2021
 START : 18:00
 END : 3/3/2021

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
2 nd march 18:00-19:00	25	39	37	39	E
19:00-20:00	24	39	19	20	ENE
20:00-21:00	23	41	9	13	E
21:00-22:00	22	44	15	17	ENE
22:00-23:00	21	49	13	15	ENE
23:00-00:00	20	55	8	10	ENE
3 rd march 00:00-01:00	19	60	9	11	ENE
01:00-02:00	18	62	0	0	-
02:00-03:00	18	66	0	0	-
03:00-04:00	18	68	0	0	-
04:00-05:00	17	75	0	0	-
05:00-06:00	16	77	0	0	-
06:00-07:00	16	77	0	0	-
07:00-08:00	16	77	0	0	-
08:00-09:00	18	69	13	15	NE
09:00-10:00	20	56	19	21	NNE
10:00-11:00	21	57	19	21	ENE
11:00-12:00	23	50	15	19	E
12:00-13:00	25	42	20	21	NE
13:00-14:00	27	30	28	28	E
14:00-15:00	27	32	30	32	ENE
15:00-16:00	28	35	9	11	E
16:00-17:00	28	37	26	28	NNE
17:00-18:00	27	34	26	28	NE

NAME OF OPERATORS	SIGNATURE
<u>C. ODJOK</u>	



4th ROADMAP

PROJECT : NNM Road Project SURVEY: Noise
 LOCATION: S2 DATE : 4/3/21
 START : 10:00
 END : 5/3/21

WEATHER CONDITIONS

4th March

5th

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
10:00-11:00	19	78	19	22	NNE
11:00-12:00	20	69	20	22	NE
12:00-13:00	23	61	19	23	E
13:00-14:00	24	50	15	20	ENE
14:00-15:00	25	47	26	23	ENE
15:00-16:00	25	47	22	23	ENE
16:00-17:00	26	48	30	25	E
17:00-18:00	25	51	30	26	ENE
18:00-19:00	23	57	26	27	ENE
19:00-20:00	21	64	22	24	NE
20:00-21:00	21	60	19	22	ENE
21:00-22:00	21	60	19	23	NE
22:00-23:00	20	64	7	10	ENE
23:00-00:00	20	69	15	17	NE
00:00-01:00	20	69	11	13	NE
01:00-02:00	20	70	11	14	NE
02:00-03:00	19	73	11	13	NE
03:00-04:00	19	73	11	13	NNE
04:00-05:00	18	73	0	0	-
05:00-06:00	17	73	0	0	-
06:00-07:00	18	73	0	0	-
07:00-08:00	16	88	0	0	-
08:00-09:00	16	88	0	0	-
09:00-10:00	20	69	19	19	NE

NAME OF OPERATORS	SIGNATURE
<u>C. ODUOR</u>	

4th ROADMAP

PROJECT : NNM ROAD PROJECT SURVEY: NOISE
 LOCATION: S3 DATE : 5/3/2021
 START : 14:00
 END : 6/3/2021

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
5 th march 14:00-15:00	26	45	22	25	NE
15:00-16:00	26	48	26	26	SE
16:00-17:00	26	45	19	22	ENE
17:00-18:00	26	42	19	22	E
18:00-19:00	25	47	15	17	E
19:00-20:00	24	54	19	20	NE
20:00-21:00	23	57	22	25	ENE
21:00-22:00	23	53	7	9	ENE
22:00-23:00	22	57	7	7	NE
23:00-00:00	21	59	8	9	NE
6 th march 00:00-01:00	21	64	11	13	NE
01:00-02:00	20	66	3	4	NE
02:00-03:00	20	69	0	0	-
03:00-04:00	14	79	1	2	N
04:00-05:00	14	80	0	0	-
05:00-06:00	14	79	1	3	N
06:00-07:00	14	76	3	6	ENE
07:00-08:00	16	63	6	9	NE
08:00-09:00	17	58	9	11	NE
09:00-10:00	20	49	10	11	NE
10:00-11:00	22	45	12	15	NE
11:00-12:00	25	44	16	18	ENE
12:00-13:00	26	41	22	24	ENE ENE
13:00-14:00	28	40	24	27	NE

NAME OF OPERATORS	SIGNATURE
<u>C. ODUOK</u>	

4th ROADMAP

PROJECT : <u>N/M ROAD PROJECT</u>	SURVEY : <u>NDJE</u>
LOCATION : <u>S4</u>	DATE : <u>24/2/2021</u>
	START : <u>17:00</u>
	END : <u>25/2/2021</u>

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
00:00-01:00	15	70	3	4	ENE
01:00-02:00	14	71	2	3	ENE
02:00-03:00	14	72	2	3	ENE
03:00-04:00	14	71	1	3	SSE
04:00-05:00	13	73	1	2	SSE
05:00-06:00	12	72	2	2	ENE
06:00-07:00	13	70	4	9	E
07:00-08:00	15	62	5	7	NE
08:00-09:00	18	57	5	7	NE
09:00-10:00	19	50	6	8	ENE
10:00-11:00	22	44	11	13	ENE
11:00-12:00	24	41	15	17	ENE
12:00-13:00	24	32	17	19	N
13:00-14:00	25	30	18	20	NE
14:00-15:00	25	28	18	21	N
15:00-16:00	26	27	19	22	NNE
16:00-17:00	23	30	20	23	NNE
17:00-18:00	22	42	13	20	N
18:00-19:00	20	48	13	17	NNE
19:00-20:00	19	53	11	17	NNE
20:00-21:00	18	57	10	13	NNE
21:00-22:00	18	57	7	11	NNE
22:00-23:00	16	60	5	8	NNE
23:00-24:00	16	68	4	6	NNE

25th feb

24th feb

NAME OF OPERATORS	SIGNATURE
<u>C. DORON</u>	

WSP

4th ROADMAP

Road

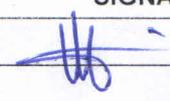
PROJECT :	<u>NNM PROJECT</u>	SURVEY:	<u>NOISE</u>
LOCATION:	<u>S 5</u>	DATE :	<u>23/2/2021</u>
		START :	<u>15:00</u>
		END :	<u>24/2/2021</u>

WEATHER CONDITIONS

23rd feb

24th feb

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
15:00-16:00	21	60	17	20	N
16:00-17:00	21	55	18	20	N
17:00-18:00	21	48	13	17	N
18:00-19:00	18	77	14	26	N
19:00-20:00	17	70	10	13	N
20:00-21:00	17	67	9	13	NNE
21:00-22:00	17 15	67 70	9	13	NNE
22:00-23:00	15	77	9	13	NE
23:00-00:00	15	78	7	11	NNE
00:00-01:00	15	78	4	6	NE
01:00-02:00	14	81	3	6	NE
02:00-03:00	14	82	1	3	NE
03:00-04:00	14	83	1	3	NE
04:00-05:00	13	80	0	0	-
05:00-06:00	13	81	1	3	NE
06:00-07:00	13	82	2	4	NNE
07:00-08:00	15	70	5	8	NE
08:00-09:00	17	61	7	9	NNE
09:00-10:00	19	58	7	8	NNE
10:00-11:00	20	55	10	12	NNE
11:00-12:00	21	47	15	17	N
12:00-13:00	22	41	19	22	N
13:00-14:00	25	36	19	22	N
14:00-15:00	26	38	19	22	N

NAME OF OPERATORS	SIGNATURE
<u>C. ODUOR</u>	

WSP

4th ROADMAP

PROJECT : <u>NNM ROAD PROJECT</u>	SURVEY: <u>NOISE</u>
LOCATION: <u>S7</u>	DATE : <u>17/2/2021</u>
	START : <u>14:00</u>
	END : <u>18/2/2021</u>

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
14:00-15:00	30	25	20	20	NNW
15:00-16:00	29	26	19	20	NNW
16:00-17:00	29	28	18	20	NNW
17:00-18:00	28	31	17	20	N
18:00-19:00	28	30	17	20	N
19:00-20:00	25	44	15	17	NNE
20:00-21:00	23°C	45	9	13	N
21:00-22:00	22	55	7	7	NNE
22:00-23:00	21	59	4	6	ENE
23:00-00:00	20	62	4	4	ESE
00:00-01:00	18	66	2	4	SSE
01:00-02:00	17	69	0	0	—
02:00-03:00	16	74	0	0	—
03:00-04:00	15	78	0	0	—
04:00-05:00	14	83	0	0	—
05:00-06:00	14	89	0	0	—
06:00-07:00	13	93	0	2	—
07:00-08:00	14	87	2	4	SE
08:00-09:00	16	78	2	4	SSE
09:00-10:00	17	66	5	7	SE
10:00-11:00	20	51	5	7	SE
11:00-12:00	25	48	9	11	SSE
12:00-13:00	26	45	8	11	ESE
13:00-14:00	26	36	6	7	WNW

NAME OF OPERATORS	SIGNATURE
<u>C. OJORA</u>	

17th feb

18th feb



4th ROADMAP

PROJECT : <u>NNM ROAD PROJECT</u>	SURVEY: <u>NOISE</u>
LOCATION: <u>S8</u>	DATE : <u>18/2/2021</u>
	START : <u>15:00</u>
	END : <u>19/2/2021</u>

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
15:00-16:00	28	26	15	17	WSW
16:00-17:00	26	36	13	17	NE
17:00-18:00	27	30	13	17	NE
18:00-19:00	29	26	12	15	NE
19:00-20:00	24	39	7	13	ESE
20:00-21:00	22	48	6	11	S
21:00-22:00	20	58	2	6	SSW
22:00-23:00	18	67	2	4	SSW
23:00-00:00	18	62	0	0	-
00:00-01:00	19	59	0	0	-
01:00-02:00	17	65	0	0	-
02:00-03:00	16	72	0	0	-
03:00-04:00	15	78	0	0	-
04:00-05:00	14	82	0	2	-
05:00-06:00	13	81	2	2	SSE
06:00-07:00	9	96	2	2	SSE
07:00-08:00	16	81	5	7	SSE
08:00-09:00	16	72	4	7	S
09:00-10:00	18	63	4	9	S
10:00-11:00	22	55	7	9	S
11:00-12:00	23	41	7	9	S
12:00-13:00	25	38	6	11	NW
13:00-14:00	26	34	7	11	NNW
14:00-15:00	27	33	7	11	NNW

18th feb

19th feb

NAME OF OPERATORS	SIGNATURE
<u>C. ODJUK</u>	



4th ROADMAP

PROJECT : <u>NNM ROAD PROJECT</u>	SURVEY: <u>NOISE</u>
LOCATION: <u>S9</u>	DATE : <u>11/3/2021</u>
	START : <u>11:00</u>
	END : <u>21/3/2021</u>

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
11:00-12:00	28	30	18	21	NNE
12:00-13:00	26	23	18	21	NNE
13:00-14:00	29	23	16	18	NE
14:00-15:00	30	21	13	20	N
15:00-16:00	30	20	15	18	N
16:00-17:00	28	24	13	17	N
17:00-18:00	27	28	15	17	NNE
18:00-19:00	25	33	15	15	NNE
19:00-20:00	23	38	13	17	NE
20:00-21:00	22	43	11	15	NE
21:00-22:00	20	51	9	13	ENE
22:00-23:00	19	55	6	13	ENE
23:00-00:00	18	62	2	6	ENE
00:00-01:00	15	69	8	13	ENE
01:00-02:00	15	68	5	8	ENE
02:00-03:00	15	68	3	5	ENE
03:00-04:00	15	66	1	3	ENE
04:00-05:00	15	68	1	3	ENE
05:00-06:00	15	62	1	3	ENE
06:00-07:00	15	57	3	5	E
07:00-08:00	17	50	5	7	E
08:00-09:00	19	44	7	9	NE
09:00-10:00	21	37	10	12	NE
10:00-11:00	22	35	10	12	NE

1st march

2nd march

NAME OF OPERATORS	SIGNATURE
<u>C. EDUOR</u>	



4th ROADMAP

PROJECT : <u>NNM ROAD PROJECT</u>	SURVEY: <u>NOISE</u>
LOCATION: <u>S10</u>	DATE : <u>22/2/2021</u>
	START : <u>11:00</u>
	END : <u>23/2/2021</u>

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
11:00-12:00	24	53	13	16	NNW
12:00-13:00	23	49	12	16	NNW
13:00-14:00	24	45	14	17	NNW
14:00-15:00	23	40	15	17	NNW
15:00-16:00	22	52	15	17	NNW
16:00-17:00	18	81	13	19	N
17:00-18:00	18	79	11	17	N
18:00-19:00	17	79	15	15	NNW
19:00-20:00	16	81	9	13	N
20:00-21:00	15	85	9	13	NNE
21:00-22:00	15	89	7	9	NNW
22:00-23:00	14	90	6	10	NNW
23:00-00:00	14	92	8	12	NW
00:00-01:00	14	94	11	14	NW
01:00-02:00	12	95	10	11	N
02:00-03:00	12	96	9	11	N
03:00-04:00	13	94	11	13	NNW
04:00-05:00	14	92	8	9	NNW
05:00-06:00	13	94	8	9	NNW
06:00-07:00	13	95	6	8	NNW
07:00-08:00	14	88	7	9	NNW
08:00-09:00	15	87	5	6	N
09:00-10:00	14	91	0	0	-
10:00-11:00	19	64	11	14	ENE

22nd feb

rainfall 2.4mm

rainfall 1mm
11 2.1mm

23rd feb

NAME OF OPERATORS	SIGNATURE
<u>C. ONYOK</u>	



4th ROADMAP

PROJECT : NNM ROAD PROJECT SURVEY: NOISE
 LOCATION: SG DATE : 26/2/2021
 START : 19:00
 END : 27/2/2021

WEATHER CONDITIONS

PERIOD	TEMPERATURE °C	RELATIVE HUMIDITY %	WINDS		
			AVERAGE km/h	GUST km/h	DIRECTION
19:00-20:00	23	31	15	21	N
20:00-21:00	21	39	7	15	NE
21:00-22:00	19	45	6	11	NE
22:00-23:00	18	50	4	9	NE
23:00-00:00	17	52	4	7	NE
00:00-01:00	16	53	3	4	NE
01:00-02:00	15	55	2	3	NE
02:00-03:00	14	57	0	0	-
03:00-04:00	14	58	1	3	SSE
04:00-05:00	13	60	0	0	-
05:00-06:00	13 14	59	3	5	NE
06:00-07:00	13	57	3	7	ESE
07:00-08:00	16	55	5	7	ESE
08:00-09:00	19	56	4	7	ESE
09:00-10:00	21	41	4	5	ESE
10:00-11:00	23	40	7	9	N
11:00-12:00	23	36	9	15	N
12:00-13:00	25	24	16	18	N
13:00-14:00	26	25	18	22	NE
14:00-15:00	29	23	19	23	NNE
15:00-16:00	27	20	19	22	NNE
16:00-17:00	25	29	20	25	NE
17:00-18:00	26	29	13	22	NE
18:00-19:00	18 23	31 4	26 14	26 19	NE

26th feb

27th feb

NAME OF OPERATORS	SIGNATURE
C. ODJOR	

APPENDIX

6-3 *SURFACE WATER SURVEY – FIELD DATA SHEETS*





Water Quality Data Sheet

Site # or stream name: 1 (Upstream)

Date: 15/12/2020

Time: 12:00

Approx watercourse depth 10 CM

Latitude: 0°47'56.75"S Longitude: 36°31'44.10"E

Photos # for upstream and downstream: POINT 1

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

THERE ARE FARMLANDS ON THE TOP OF THE VALLEY, WATER FLOOR IS A HARD ROCK, WATER PASSES THROUGH A THICKET

Possible contamination sources:

NOT MUCH DEFINED BUT THERE ARE POSIBILITIES OF CONTAMINATION FROM THE SMALL FARMS

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: HARD ROCK

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	13.9
Conductivity (µS/cm)	174.1
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	4.1
pH	7.84
Salinity (ppt)	0.1
TDS (mg/L)	0.2337



Water Quality Data Sheet

Site # or stream name: 1 (Downstream)

Date: 15/12/2020

Time: 11:20

Approx watercourse depth 10 CM

Latitude: 0°47'54.31"S Longitude: 36°31'28.41"E

Photos # for upstream and downstream: POINT 1

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

THERE ARE FARMLANDS ON THE TOP OF THE VALLEY, WATER FLOOR IS A HARD ROCK, WATER PASSES THROUGH A THICKET

Possible contamination sources:

NOT MUCH DEFINED BUT THERE ARE POSIBILITIES OF CONTAMINATION FROM THE SMALL FARMS

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: HARD ROCK

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	13.7
Conductivity (µS/cm)	170.4
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	4.0
pH	7.62
Salinity (ppt)	0.1
TDS (mg/L)	0.2222



Water Quality Data Sheet

Site # or stream name (if known): 1 Water present: Yes No

Date: 19/02/2021 Person recording data: ALBERTO OWALO

- Weather in past 24 hours: Heavy rain, Steady rain, Showers (intermittent rain), Clear/sunny
- Weather now: Heavy rain, Steady rain, Showers (intermittent rain), Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>15:31</u>	Time <u>14:57</u>
Approx watercourse depth <u>1m</u>	Approx watercourse depth <u>3m</u>
Sampling depth <u>10cm</u>	Sampling depth <u>30cm</u> 30cm
Latitude <u>500°47'54.8"</u>	Latitude <u>500°47'54.8"</u> <u>500°47'55.7"</u>
Longitude <u>6036°31'37.9"</u>	Longitude <u>6036°31'37.9"</u> <u>6036°31'32.6"</u>
Photos # <u>10</u>	Photos # <u>10</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>homestead</u>	<u>Planted forest</u>
<u>Planted forest</u>	<u>homestead, cattle grazing</u>
Possible contamination sources:	
<u>Dumping by road users and grazing cattle.</u>	<u>Dumping by road users.</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>3.5m.</u>	<u>5m.</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Hard rock</u>	<u>Hard rock</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>22.2</u>	<u>20.4</u>
Conductivity (µS/cm)	<u>145.8</u>	<u>146.0</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>2.8</u>	<u>4.2</u>
pH	<u>9.54</u>	<u>10.00</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>109.2</u>	<u>108.5</u>



Water Quality Data Sheet

Site # or stream name: 3 (Upstream)

Date: 14/12/2020

Time: 10:16

Approx watercourse depth 10 CM

Latitude: 0°41'34.35"S Longitude: 36°25'22.85"E

Photos # for upstream and downstream: POINT 3

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

AGRICULTURAL FARMS IN THE SURROUNDING, CATTLE WATERING POINT, CAR WASH, BATHING

Possible contamination sources:

CAR WASHING ACTIVITIES, AGRICULTURAL PRACTICES

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: SOIL AND HARD ROCK BED

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	18.0
Conductivity (µS/cm)	1168
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	6.2
pH	7.19
Salinity (ppt)	0.7
TDS (mg/L)	0.1349



Water Quality Data Sheet

Site # or stream name: 3 (Downstream)

Date: 14/12/2020

Time: 12:16

Approx watercourse depth 10 CM

Latitude: 0°41'45.27"S Longitude: 36°25'17.71"E

Photos # for upstream and downstream: POINT 3

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

AGRICULTURAL FARMS IN THE SURROUNDING, CATTLE WATERING POINT, CAR WASH, BATHING

Possible contamination sources:

CAR WASHING ACTIVITIES, AGRICULTURAL PRACTICES

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: SOIL AND HARD ROCK BED

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	18.0
Conductivity (µS/cm)	1167
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	7.1
pH	7.20
Salinity (ppt)	0.7
TDS (mg/L)	0.1348

#49

1151

Water Quality Data Sheet

Site # or stream name (if known): 3 Water present: Yes No

Date: 24/02/2021 Person recording data: GILBERT OWITO

- Weather in past 24 hours
- Heavy rain
 - Steady rain
 - Showers (intermittent rain)
 - Clear/sunny
- Weather now
- Heavy rain
 - Steady rain
 - Showers (intermittent rain)
 - Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>16:13</u>	Time <u>16:29</u>
Approx watercourse depth <u>2M.</u>	Approx watercourse depth <u>5M.</u>
Sampling depth <u>30cm</u>	Sampling depth <u>20cm.</u>
Latitude <u>S 00° 41' 41.3"</u>	Latitude <u>S 00° 41' 42.7"</u>
Longitude <u>E 036° 25' 21.9"</u>	Longitude <u>E 036° 25' 21.4"</u>
Photos # <u>30</u>	Photos # <u>30</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>

Site description (i.e surrounding land use and connectivity with other waterbodies):

<u>Planted trees.</u>	<u>Fenced ranch, planted heygrass.</u>
<u>Fenced ranch.</u>	<u>Grazing land</u>
	<u>Residential's</u>

Possible contamination sources:

<u>Dumping by road users.</u>	<u>Dumping by road users.</u>

Extent of floodplain (in meters, for both side of the stream):

<u>10m</u>	<u>5m</u>
------------	-----------

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

<u>Silt, clay</u>	<u>Hard rock, cobble, silt, clay.</u>
-------------------	---------------------------------------

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>19.4</u>	<u>19.1</u>
Conductivity (µS/cm)	<u>307.5</u>	<u>314.2</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>10.2</u>	<u>10.0</u>
pH	<u>7.43</u>	<u>8.20</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>222.3</u>	<u>230.0</u>



Water Quality Data Sheet

Site # or stream name: B+ (Upstream) (4+)

Date: 13/12/2020

Time: 12:56

Approx watercourse depth 4 M

Latitude: 0°40'2.79"S Longitude: 36°23'21.43"E

Photos # for upstream and downstream: POINT B+

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

THERE IS IRRIGATION OF SMALL FARMS ADJUCENT TO THE RIVER, CAR WASHING, BATHING AND WASHING OF UTENSILS.

Possible contamination sources:

CAR AND UTENSILS WASHING

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: ROCKS AND SEDIMENT

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	19.4
Conductivity (µS/cm)	110.0
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	10.1
pH	7.57
Salinity (ppt)	0.1
TDS (mg/L)	0.1243



Water Quality Data Sheet

Site # or stream name: B+ (Downstream) (4+)
Date: 13/12/2020
Time: 13:45
Approx watercourse depth 3.2 M
Latitude: 0°40'5.89"S Longitude: 36°23'9.74"E
Photos # for upstream and downstream: POINT B +

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):
THE LAND USE IS MAINLY AGRICULTURAL

Possible contamination sources:
AGRICULTURAL CULTIVATION LANDS.

Extent of floodplain:
NO FLOODPLAIN

Type of substrata: SEDIMENTS AND DEBRIS OF FALLEN TREES.

- | | |
|--|--|
| Weather in past 24 hours | Weather now |
| <input type="checkbox"/> Heavy rain | <input type="checkbox"/> Heavy rain |
| <input type="checkbox"/> Steady rain | <input type="checkbox"/> Steady rain |
| <input type="checkbox"/> Showers (intermittent rain) | <input type="checkbox"/> Showers (intermittent rain) |
| <input checked="" type="checkbox"/> Clear/sunny | <input checked="" type="checkbox"/> Clear/sunny |

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	19.4
Conductivity (µS/cm)	110.7
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	10.0
pH	7.4
Salinity (ppt)	0.1
TDS (mg/L)	0.1240

WSP

Water Quality Data Sheet

Site # or stream name (if known): BT (4+) Water present: Yes No

Date: 24/02/2021 Person recording data: GILBERT OWPTO

- | | |
|---|---|
| Weather in past 24 hours
<input type="checkbox"/> Heavy rain
<input type="checkbox"/> Steady rain
<input type="checkbox"/> Showers (intermittent rain)
<input type="checkbox"/> Clear/sunny | Weather now
<input type="checkbox"/> Heavy rain
<input type="checkbox"/> Steady rain
<input type="checkbox"/> Showers (intermittent rain)
<input checked="" type="checkbox"/> Clear/sunny |
|---|---|

UPSTREAM	DOWNSTREAM
Time <u>15:24</u>	Time <u>15:17</u>
Approx watercourse depth <u>5m</u>	Approx watercourse depth <u>4m</u>
Sampling depth <u>30cm</u>	Sampling depth <u>30cm</u>
Latitude <u>S 00°40'04.8"</u>	Latitude <u>S 00°40'06.4"</u>
Longitude <u>E 036°23'17"</u>	Longitude <u>E 036°23'15.5"</u>
Photos # <u>B+U</u>	Photos # <u>B+D</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>	Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>

Site description (i.e surrounding land use and connectivity with other waterbodies):

<u>fenced ranch,</u>	<u>irrigation, Homestead</u>
<u>planted forest.</u>	<u> </u>
<u> </u>	<u> </u>

Possible contamination sources:

<u>Laundry, Baiting,</u>	<u>Laundry, baiting, cattle</u>
<u>cattle watercity</u>	<u>watering</u>

Extent of floodplain (in meters, for both side of the stream):

<u>50m.</u>	<u>50m.</u>
-------------	-------------

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

<u>Clay, silt, cobble, boulder.</u>	<u>Clay, silt cobble, boulders.</u>
-------------------------------------	-------------------------------------

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (°C)	<u>20.9</u>	<u>21.2</u>
Conductivity (µS/cm)	<u>146.9</u>	<u>152.6</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>10.4</u>	<u>9.3</u>
pH	<u>7.90</u>	<u>7.92</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>102.8</u>	<u>105.6</u>



Water Quality Data Sheet

Site # or stream name: 5 (Upstream)

Date: 13/12/2020

Time: 10:09

Approx watercourse depth 5 M

Latitude: 0°34'2.49"S Longitude: 36°21'38.22"E

Photos # for upstream and downstream: POINT 5

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

SURROUNDED BY A RANCH ON BOTH SIDES

Possible contamination sources:

MAIN ROAD

Extent of floodplain:

NO FLOOD PLAIN

Type of substrata: ROCKY

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	15.7
Conductivity (µS/cm)	83.1
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	9.8
pH	7.42
Salinity (ppt)	0.1
TDS (mg/L)	0.1008



Water Quality Data Sheet

Site # or stream name: 5 (Downstream)

Date: 13/12/2020

Time: 10:30

Approx watercourse depth 5 M

Latitude: 0°34'25.21"S Longitude: 36°21'35.95"E

Photos # for upstream and downstream: POINT 5

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

SURROUNDED BY A RANCH

Possible contamination sources:

THE ADJUCENT RANCH AND THE ROAD

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: ROCKS AND SEDIMENT

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	7.31
Conductivity (µS/cm)	82.9
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	10.1
pH	7.31
Salinity (ppt)	0.1
TDS (mg/L)	0.1010

#47

1151

Water Quality Data Sheet

Site # or stream name (if known): MI

Water present: Yes No

Date: 24/02/2021

Person recording data: GILBERT OWPTO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>14:07</u>	Time <u>14:20</u>
Approx watercourse depth <u>1M</u>	Approx watercourse depth <u>5M</u>
Sampling depth <u>10cm</u>	Sampling depth <u>20cm</u>
Latitude <u>S 00° 24' 17.0"</u>	Latitude <u>S 00° 34' 18.2"</u>
Longitude <u>E 036° 21' 38.8"</u>	Longitude <u>E 036° 21' 37.7"</u>
Photos # <u>50</u>	Photos # <u>50</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Fenced ranch
Forest

Fenced ranch
Forest

Possible contamination sources:

Dumping by road users,
Cattle watering.

Dumping by road users.

Extent of floodplain (in meters, for both side of the stream):

10m

10m

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Hard rock, silt, pebble,

Boulders, pebbles, silt, clay

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>19.6°</u>	<u>19.5°</u>
Conductivity (µS/cm)	<u>100.7</u>	<u>147.0</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>4.2</u>	<u>7.1</u>
pH	<u>7.73</u>	<u>9.92</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>73.7</u>	<u>106.8</u>



Water Quality Data Sheet

Site # or stream name (if known): 6 Water present: Yes No

Date: 01/05/2021

Person recording data: Owada Aubert

Weather in past **24 hours**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather **now**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>15:36</u>	Time <u>14:56</u>
Approx watercourse depth <u>10m</u>	Approx watercourse depth <u>10m</u>
Sampling depth <u>5cm</u>	Sampling depth <u>5cm</u>
Latitude <u>S 00° 27' 18.9"</u>	Latitude <u>S 00° 27' 24.5"</u>
Longitude <u>E 036° 16' 38.4"</u>	Longitude <u>E 036° 16' 39.2"</u>
Photos # <u>60</u>	Photos # <u>60</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Factory, cultivated land forest & shrubs</u>	<u>Shrubs and fenced land</u>
Possible contamination sources:	
<u>Hoosier industry dust</u> <u>Dumping by road users</u>	<u>Dumping by road users</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>3m</u>	<u>1m</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Boulders, cobble, pebble</u> <u>Sand, silt</u>	<u>Boulders, cobble, pebbles, sand</u> <u>silt</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	22.8	22.2
Conductivity (µS/cm)	567	544
Turbidity (NTU)	27.0	86.2
Dissolved oxygen (mg/L)	2.0	2.2
pH	7.74	8.05
Salinity (ppt)	0.2	0.2
TDS (mg/l)	584	575

~~46~~
46

11511

Water Quality Data Sheet

Site # or stream name (if known): 16

Water present: Yes No

Date: 24/02/2021

Person recording data: GILBERT OWATO

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>13:28</u>	Time <u>13:19</u>
Approx watercourse depth <u>100m</u>	Approx watercourse depth <u>100m</u>
Sampling depth <u>-</u>	Sampling depth <u>20m</u>
Latitude <u>S 00° 27' 19.3"</u>	Latitude <u>S 00° 27' 24.5"</u>
Longitude <u>E 036° 16' 36.5</u>	Longitude <u>E 036° 16' 39.2"</u>
Photos # <u>60</u>	Photos # <u>60</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Shubs and forced ranch, lake.</u>	<u>Shubs and forced ranch</u>
Possible contamination sources:	
<u>Dumping by road users</u>	<u>Dumping by road users</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>700m.</u>	<u>1 km.</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Silt, boulders, hard rock, pebble</u>	<u>Boulders, hard rock, pebble, silt</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	/	/
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		



Water Quality Data Sheet

Site # or stream name (if known): 7 Water present: Yes No

Date: 01/05/2021 Person recording data: Oswald Gilbert

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>13:56</u>	Time <u>14:05</u>
Approx watercourse depth <u>15m</u>	Approx watercourse depth <u>10m</u>
Sampling depth <u>-</u>	Sampling depth <u>-</u>
Latitude <u>3 00° 22' 04.5"</u>	Latitude <u>3 00° 22' 02.7"</u>
Longitude <u>15 036° 12' 51.1"</u>	Longitude <u>15 036° 12' 50.3"</u>
Photos # <u>70</u>	Photos # <u>70</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # <u>-</u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u>-</u>
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>fenced forested ranch</u> <u>with shrubs and grassland</u>	<u>fenced ranch</u> <u>wild animals and cattle</u> <u>grazing</u>
Possible contamination sources:	
<u>Dumping by road users</u> <u>cattle grazing</u>	<u>dumping by road users</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>100m</u>	<u>150m</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Boulders, clay</u>	<u>clay</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	/	/
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		



Water Quality Data Sheet

Site # or stream name (if known): 7

Water present: Yes No

Date: 24/02/2021

Person recording data: GILBERT OWATO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>12:58</u>	Time <u>12:50</u>
Approx watercourse depth <u>15m</u>	Approx watercourse depth <u>10m</u>
Sampling depth <u>-</u>	Sampling depth <u>-</u>
Latitude <u>S 00° 22' 04.5"</u>	Latitude <u>S 00° 22' 02.7"</u>
Longitude <u>E 036° 12' 51.1</u>	Longitude <u>E 036° 12' 50.3"</u>
Photos # <u>70</u>	Photos # <u>70</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u>-</u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u>-</u>

Site description (i.e surrounding land use and connectivity with other waterbodies):

Fenced ranch
Forest

fenced ranch
Forest
cattle grazing

Possible contamination sources:

Cattle grazing
Dumping by road users

Dumping by road users

Extent of floodplain (in meters, for both side of the stream):

100m

500m

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Boulders, clay

clay

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)		
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		



Water Quality Data Sheet

Site # or stream name (if known): 8 Water present: Yes No

Date: 1/05/2021

Person recording data: Owato Albert

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>11:26</u>	Time <u>10:45</u>
Approx watercourse depth <u>1M</u>	Approx watercourse depth <u>2M</u>
Sampling depth <u>30cm.</u>	Sampling depth <u>30cm.</u>
Latitude <u>S 00° 21' 29.7"</u>	Latitude <u>S 00° 21' 29.7"</u>
Longitude <u>E 036° 12' 06.8"</u>	Longitude <u>E 036° 12' 06.6"</u>
Photos # <u>80</u>	Photos # <u>80</u>
Duplicate <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes # <u>010</u>	Duplicate <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes # <u>010</u>
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Wetland, picnic site.</u>	<u>fenced ranch and residential area.</u>
Possible contamination sources:	
<u>Dumping by road users</u>	<u>Dumping by road users, water abstraction.</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>5M.</u>	<u>10M.</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Hard rock boulder, pebbles, silt.</u>	<u>Boulder, cobble, pebbles, silt.</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>16.4</u>	<u>15.9</u>
Conductivity (µS/cm)	<u>147.5</u>	<u>140.1</u>
Turbidity (NTU)	<u>171.0</u>	<u>89.5</u>
Dissolved oxygen (mg/L)	<u>10.3</u>	<u>6.2</u>
pH	<u>7.27</u>	<u>7.35</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>176.6</u>	<u>170.0</u>

#44

WSP

Water Quality Data Sheet

Site # or stream name (if known): R 44 (8)

Water present: Yes No

Date: 24/02/2021

Person recording data: GILBERT OWITO

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>12:08</u>	Time <u>11:55</u>
Approx watercourse depth <u>1m.</u>	Approx watercourse depth <u>1M.</u>
Sampling depth <u>20cm.</u>	Sampling depth <u>20cm.</u>
Latitude <u>S 00° 21' 27.9"</u>	Latitude <u>S 00° 21' 29.1"</u>
Longitude <u>E 036° 12' 06.7"</u>	Longitude <u>E 036° 12' 06.3"</u>
Photos # <u>K44U</u>	Photos # <u>K44D</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Picnic site, Residential, fenced ranch.

Residential, fenced ranches

Possible contamination sources:

Dumping by road users.

Dumping by road users

Extent of floodplain (in meters, for both side of the stream):

4 m.

7 m

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Boulders, Clay, cobble

Clay, hard rock, cobble pebble

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	17.3	17.1
Conductivity (µS/cm)	160.0	162.2
Turbidity (NTU)		
Dissolved oxygen (mg/L)	5.2	6.2
pH	8.81	7.48
Salinity (ppt)	0.1	0.1
TDS (mg/l)	121.4	124.2



Water Quality Data Sheet

Site # or stream name (if known): 9 (Shower river) Water present: Yes No

Date: 30/04/2021

Person recording data: Owato Albert

Weather in past **24 hours**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather **now**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>15:10</u>	Time <u>14:47</u>
Approx watercourse depth <u>2m</u>	Approx watercourse depth <u>1.5m</u>
Sampling depth <u>10cm</u>	Sampling depth <u>30cm</u>
Latitude <u>S 00° 12' 48.1"</u>	Latitude <u>S 00° 12' 45.9"</u>
Longitude <u>E 035° 51' 48.9"</u>	Longitude <u>E 035° 51' 50.5"</u>
Photos # <u>90</u>	Photos # <u>90</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Flower farm, cultivated land</u> <u>planted trees</u>	<u>Residential</u> <u>cultivated land</u>
Possible contamination sources:	
<u>Dumping by road users</u> <u>Dumping by flower farm</u>	<u>Laundry, cleaning of</u> <u>vegetable, washing of</u> <u>motorbikes</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>5m</u>	<u>5m</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Boulders, pebble, silt,</u>	<u>Hard rock</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (°C)	<u>19.5</u>	<u>18.9</u>
Conductivity (µS/cm)	<u>223.8</u>	<u>234.9</u>
Turbidity (NTU)	<u>424.0</u>	<u>750.0</u>
Dissolved oxygen (mg/L)	<u>11.0</u>	<u>10.3</u>
pH	<u>7.60</u>	<u>7.62</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>255.1</u>	<u>265.9</u>

~~42~~
42

WSP

Water Quality Data Sheet

Site # or stream name (if known): 142 (9)

Water present: Yes No

Date: 23/02/2021

Person recording data: GILBERT OWPTO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>15:12</u>	Time <u>14:50</u>
Approx watercourse depth <u>40cm</u>	Approx watercourse depth <u>60 cm</u>
Sampling depth <u>30cm</u>	Sampling depth <u>20cm</u>
Latitude <u>S 00° 12' 48.2"</u>	Latitude <u>S 00° 12' 46.1"</u>
Longitude <u>E 035° 51' 48.8"</u>	Longitude <u>E 035° 51' 50.8"</u>
Photos # _____	Photos # _____
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Cultivated land, flower farm.</u>	<u>Residential, cultivated land</u>
Possible contamination sources:	
<u>Waste from flower farm laundry.</u>	<u>Laundry, cleaning of vegetables from farms, adjacent flower farm.</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>4.5m</u>	<u>15m</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Hard rock, boulder, pebble, cobble, silt.</u>	<u>Hard rock.</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	18.2	18.3
Conductivity (µS/cm)	233.2	233.7
Turbidity (NTU)		
Dissolved oxygen (mg/L)	12.1	11.6
pH	8.48	8.32
Salinity (ppt)	0.1	0.1
TDS (mg/l)	174.2	174.0

Gilbert 177



Water Quality Data Sheet

Site # or stream name: 10 (Upstream)

Date: 12/12/2020

Time: 12:22

Approx watercourse depth 5 CM

Latitude: 0°12'5.27"S Longitude: 35°49'23.94"E

Photos # for upstream and downstream: POINT 10

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

MAIZE PLANTATION, FORESTED AREA, CATTLE REARING

Possible contamination sources:

MAIZE PLANTATION AND CATTLE FARM

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: ROCKY

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	18.3
Conductivity (µS/cm)	169.3
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	10.0
pH	7.6
Salinity (ppt)	0.1
TDS (mg/L)	0.1941



Water Quality Data Sheet

Site # or stream name: 10 (Downstream)

Date: 12/12/2020

Time: 12:30

Approx watercourse depth 5 CM

Latitude: 0°11'54.43"S Longitude: 35°49'49.73"E

Photos # for upstream and downstream: POINT 10

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

MAIZE PLANTATION, FORESTED AREA, CATTLE REARING

Possible contamination sources:

MAIZE PLANTATION AND CATTLE FARM

Extent of floodplain:

NO FLOOF PLAIN

Type of substrata: ROCKY

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	18.3
Conductivity (µS/cm)	176.9
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	10.1
pH	7.61
Salinity (ppt)	0.1
TDS (mg/L)	0.2024

#16
50

11511

Water Quality Data Sheet

Site # or stream name (if known): 10

Water present: Yes No

Date: 23/02/2021

Person recording data: GILBERT SWATO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>13:27</u>	Time <u>13:11</u>
Approx watercourse depth <u>1 m</u>	Approx watercourse depth <u>10.6 m</u>
Sampling depth <u>30 cm</u>	Sampling depth <u>10 cm</u>
Latitude <u>S 00° 11' 58.9"</u>	Latitude <u>S 00° 11' 56.9"</u>
Longitude <u>E 035° 49' 48.9"</u>	Longitude <u>E 035° 49' 49.8"</u>
Photos # <u>100</u>	Photos # <u>100</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Trees and bushes.

fenced ranches and home road.

Possible contamination sources:

children swimming.

Laundry, animal watering

Extent of floodplain (in meters, for both side of the stream):

15 m.

8 m.

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Hard rock, pebble silt.

Hard rock, boulder, pebble, silt.

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>18.9.</u>	<u>18.9</u>
Conductivity (µS/cm)	<u>192.4</u>	<u>193.7</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>12.2</u>	<u>12.8</u>
pH	<u>8.17</u>	<u>8.46</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1.</u>
TDS (mg/l)	<u>140.2</u>	<u>142.1.</u>



Water Quality Data Sheet

Site # or stream name (if known): 12 Water present: Yes No

Date: 30/04/2021 Person recording data: Quatsa Albert

Weather in past **24 hours**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather **now**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>13:31</u>	Time <u>12:45</u>
Approx watercourse depth <u>30cm</u>	Approx watercourse depth <u>1m</u>
Sampling depth <u>20cm</u>	Sampling depth <u>20cm</u>
Latitude <u>S 00° 12' 18.6"</u>	Latitude <u>S 00° 12' 20.9"</u>
Longitude <u>E 035° 47' 04.7"</u>	Longitude <u>E 035° 47' 06.2"</u>
Photos # <u>120</u>	Photos # <u>120</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Planted forest</u>	<u>Homesite</u>
<u>Cultivated land</u>	<u>Barren plantation</u>
Possible contamination sources:	
<u>Dumping by road users</u>	<u>Cultivated land</u>
<u>laundry place</u>	
Extent of floodplain (in meters, for both side of the stream):	
<u>3m</u>	<u>5m</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Boulders, pebble, sand, silt</u>	<u>Cobbles, pebble, silt</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>19.9</u>	<u>18.5</u>
Conductivity (µS/cm)	<u>154.4</u>	<u>149.2</u>
Turbidity (NTU)	<u>74.6</u>	<u>68.4</u>
Dissolved oxygen (mg/L)	<u>9.6</u>	<u>10.0</u>
pH	<u>7.70</u>	<u>7.44</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>171.0</u>	<u>170.7</u>



Water Quality Data Sheet

Site # or stream name (if known): K37 (12)

Water present: Yes No

Date: 23/02/2021

Person recording data: GILBERT OWPTO

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>10:54</u>	Time <u>10:34</u>
Approx watercourse depth <u>30cm</u>	Approx watercourse depth <u>20cm</u>
Sampling depth <u>20cm</u>	Sampling depth <u>20cm</u>
Latitude <u>S 00°12'18.8"</u>	Latitude <u>S 00°12'20.8"</u>
Longitude <u>E 035°47'04.8"</u>	Longitude <u>E 035°47'06.0"</u>
Photos # <u>K37U</u>	Photos # <u>K37D</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Cultivated land
Planted forest

Homestead
Cultivated land
Banana plantation

Possible contamination sources:

Laundry and cultivated
lands, dumping by road users.

Homestead
Dumping by road users.

Extent of floodplain (in meters, for both side of the stream):

3m.

2m.

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Boulder, cobble, silt

Boulder, cobble, silt.

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>14.5</u>	<u>14.3</u>
Conductivity (µS/cm)	<u>140.8</u>	<u>139.0</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>1.2</u>	<u>10.2</u>
pH	9.02 <u>8.95</u>	<u>8.29</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>113.6</u>	<u>113.4</u>



Water Quality Data Sheet

Site # or stream name (if known): 13 Water present: Yes No

Date: 30/04/2024

Person recording data: Osvaldo Gilbert

Weather in past **24 hours**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather **now**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>11:19</u>	Time <u>11:35</u>
Approx watercourse depth <u>60 cm</u>	Approx watercourse depth <u>1 m</u>
Sampling depth <u>10 cm</u>	Sampling depth <u>10 cm</u>
Latitude <u>S 00° 11' 43.7"</u>	Latitude <u>S 00° 11' 45.2"</u>
Longitude <u>E 085° 43' 12.6"</u>	Longitude <u>E 085° 43' 12.2"</u>
Photos # <u>13 U</u>	Photos # <u>13 D</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Wetland, cultivated land</u>	<u>Planted forest;</u>
<u>Planted forest</u>	_____
_____	_____
Possible contamination sources:	
<u>laundry upstream</u>	<u>Dumping by road users</u>
<u>watering of animals</u>	<u>watering of animals</u>
_____	_____
Extent of floodplain (in meters, for both side of the stream):	
<u>3 m</u>	<u>3 m</u>
_____	_____
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Hard rock, boulder, cobble</u>	<u>Cobbles, pebble, silt, clay</u>
<u>pebble, silt, clay</u>	_____

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>24.1</u>	<u>23.9</u>
Conductivity (µS/cm)	<u>207.0</u>	<u>226.8</u>
Turbidity (NTU)	<u>82.6</u>	<u>85.0</u>
Dissolved oxygen (mg/L)	<u>5.2</u>	<u>6.3</u>
pH	<u>7.25</u>	<u>7.58</u>
Salinity (ppt)	<u>0.2</u>	<u>0.2</u>
TDS (mg/l)	<u>210.9</u>	<u>233.6</u>



Water Quality Data Sheet

Site # or stream name (if known): 13 Water present: Yes No

Date: 20/02/2021 Person recording data: GILBERT OWATO

- Weather in past 24 hours: Heavy rain, Steady rain, Showers, Clear/sunny
Weather now: Heavy rain, Steady rain, Showers, Clear/sunny

Table with columns UPSTREAM and DOWNSTREAM. Rows include Time, Approx watercourse depth, Sampling depth, Latitude, Longitude, Photos #, Duplicate status, Site description, Possible contamination sources, Extent of floodplain, and Type of substrata.

Table with 3 columns: Parameter (taken in the field), Field measurement (upstream), Field measurement (downstream). Rows include Temperature, Conductivity, Turbidity, Dissolved oxygen, pH, Salinity, and TDS.



Water Quality Data Sheet

Site # or stream name (if known): 14 Water present: Yes No

Date: 20/04/2021

Person recording data: Osvaldo Gilbert

Weather in past **24 hours**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather **now**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>10:46</u>	Time <u>10:24</u>
Approx watercourse depth <u>1m</u>	Approx watercourse depth <u>60cm</u>
Sampling depth <u>10 cm</u>	Sampling depth <u>5cm</u>
Latitude <u>5 00° 10' 40.8"</u>	Latitude <u>5 00° 10' 41.9"</u>
Longitude <u>2 035° 42' 37.7"</u>	Longitude <u>2 035° 42' 36.9"</u>
Photos # <u>140</u>	Photos # <u>140</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Residential, wetland</u>	<u>fish pond, cultivated land</u>
Possible contamination sources:	
<u>Laundry, Animals watering, dumping by road users, washing of vegetables</u>	<u>Animals drinking place.</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>3m.</u>	<u>1m.</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Silt, clay, pebbles</u>	<u>Silt, clay, pebble.</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>15.2</u>	<u>18.10</u>
Conductivity (µS/cm)	<u>123.0</u>	<u>577</u>
Turbidity (NTU)	<u>106.0</u>	<u>31.2</u>
Dissolved oxygen (mg/L)	<u>2.5</u>	<u>3.2</u>
pH	<u>6.98</u>	<u>7.69</u>
Salinity (ppt)	<u>0.1</u>	<u>0.3</u>
TDS (mg/l)	<u>148.9</u>	<u>176.0</u>



Water Quality Data Sheet

Site # or stream name (if known): New (K1) (14)

Water present: Yes No

Date: 20/02/2021

Person recording data: GILBERT OWATO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>14:09</u>	Time <u>12:50</u>
Approx watercourse depth <u>20 cm</u>	Approx watercourse depth <u>30 cm</u>
Sampling depth <u>20 cm</u>	Sampling depth <u>20 cm</u>
Latitude <u>S 00°10'41.1"</u>	Latitude <u>S 00°10'41.7"</u>
Longitude <u>E 035°42'37.7"</u>	Longitude <u>E 035°42'37.0"</u>
Photos # <u>K1 (0)</u>	Photos # <u>K1 (0)</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Wetland at the edge of farms (cultivated)</u>	<u>fish ponds, cattle grazing field cultivated land</u>
Possible contamination sources:	
<u>Washing of carrots from the farms</u>	<u>Litter from the roadside cattle grazing</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>2 m</u>	<u>1 m</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Pebble, clay</u>	<u>Pebble, sand silt</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (°C)	<u>17.8</u>	<u>19.6</u>
Conductivity (µS/cm)	<u>120.9</u>	<u>72.8</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>6.0</u>	<u>5</u>
pH	<u>7.73</u>	<u>7.69</u>
Salinity (ppt)	<u>0.1</u>	<u>0.1</u>
TDS (mg/l)	<u>91.2</u>	<u>54.2</u>



Water Quality Data Sheet

Site # or stream name: 15 (Upstream)

Date: 12/12/2020

Time: 10:40

Approx watercourse depth 9 CM

Latitude: 0° 9'36.79"S Longitude: 35°41'45.80"E

Photos # for upstream and downstream: POINT 15

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

CAR WASH, WASHING OF UTENSILS, LAUNDRY, AND CATTLE DRINKING POINT

Possible contamination sources:

CAR WASH, WASHING OF UTENSILS AND LAUNDRY

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: ROCKS AND SEDIMENTS

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	18.0
Conductivity (µS/cm)	87.1
Turbidity (NTU)	TO BE DONE IN LAB
Dissolved oxygen (mg/L)	8.8
pH	6.54
Salinity (ppt)	0.1
TDS (mg/L)	0.1053



Water Quality Data Sheet

Site # or stream name: 15 (Downstream)

Date: 12/12/2020

Time: 11:20

Approx watercourse depth 15 CM

Latitude: 0° 9'41.23"S Longitude: 35°41'42.56"E

Photos # for upstream and downstream: POINT 15

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

CAR WASH, WASHING OF UTENSILS, LAUNDRY, AND CATTLE DRINKING POINT

Possible contamination sources:

CAR WASH, WASHING OF UTENSILS AND LAUNDRY

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: ROCKS AND SEDIMENTS

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	18.5
Conductivity (µS/cm)	89.3
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	8.7
pH	6.86
Salinity (ppt)	0.1
TDS (mg/L)	0.1103



Water Quality Data Sheet

Site # or stream name (if known): 15 Water present: Yes No

Date: 20/02/2021 Person recording data: GILBERT OWATO

- Weather in past 24 hours
- Heavy rain
 - Steady rain
 - Showers (intermittent rain)
 - Clear/sunny
- Weather now
- Heavy rain
 - Steady rain
 - Showers (intermittent rain)
 - Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>12:23</u>	Time <u>12:10PM</u>
Approx watercourse depth <u>30cm</u>	Approx watercourse depth <u>20cm</u>
Sampling depth <u>20cm</u>	Sampling depth <u>20cm</u>
Latitude <u>S 00° 09' 38.6</u>	Latitude <u>S 00° 09' 40.2"</u>
Longitude <u>E 035° 41' 44.9</u>	Longitude <u>E 035° 41' 43.1</u>
Photos # <u>15(0)</u>	Photos # <u>15(0)</u>
Duplicate <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes # <u> </u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Farming</u>	<u>farming</u>
Possible contamination sources:	
<u>farming (maize plantation), laundry, car wash, battery.</u>	<u>Vegetable cleaning, laundry, car wash, battery, farming</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>3m.</u>	<u>0.5m.</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Boulder, pebble, cobble, silt.</u>	<u>Silt, boulder, hard rock.</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>18.5</u>	<u>18.5</u>
Conductivity (µS/cm)	<u>84.7</u>	<u>42.5</u>
Turbidity (NTU)	<u>TO BE DONE IN THE</u>	<u>LABORATORY</u>
Dissolved oxygen (mg/L)	<u>12</u>	<u>10</u>
pH	<u>8.35</u>	<u>8.81</u>
Salinity (ppt)	<u>0.1</u>	<u>0.0</u>
TDS (mg/l)	<u>62.7</u>	<u>67.0</u>



Water Quality Data Sheet

Site # or stream name: B3 (Upstream)

Date: 14/12/2020

Time: 14:50

Approx watercourse depth 30 CM

Latitude: 0°58'3.74"S Longitude: 36°34'32.42"E

Photos # for upstream and downstream: POINT B3

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

CAR WASH AND WATER ABSTRACTION LOADING POINT

Possible contamination sources:

CAR WASH AND WATER ABSTRACTION ACTIVITIES

Extent of floodplain:

NO FLOODPLAIN

Type of substrata: SOIL AND ROCKS

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	23.1
Conductivity (µS/cm)	818
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	8.2
pH	7.87
Salinity (ppt)	0.4
TDS (mg/L)	0.857



Water Quality Data Sheet

Site # or stream name: B3 (Downstream)

Date: 14/12/2020

Time: 14:25

Approx watercourse depth 30 CM

Latitude: 0°59'5.19"S Longitude: 36°34'41.17"E

Photos # for upstream and downstream: POINT B3

Person recording data: GILBERT OWATO

Site description (i.e surrounding land use and connectivity with other waterbodies):

CAR WASH AND WATER ABSTRACTION LOADING POINT

Possible contamination sources:

CAR WASH AND WATER ABSTRACTION ACTIVITIES

Extent of floodplain:

NO FLOOD PLAIN

Type of substrata: SOIL AND ROCKS

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

PARAMETER	FIELD MEASUREMENT
Temperature (° C)	23.0
Conductivity (µS/cm)	8.23
Turbidity (NTU)	TO BE DONE IN THE LAB
Dissolved oxygen (mg/L)	7.8
pH	7.85
Salinity (ppt)	0.4
TDS (mg/L)	0.858

#5
55

WSP

Water Quality Data Sheet

Site # or stream name (if known): B3

Water present: Yes No

Date: 25/02/2021

Person recording data: GILBERT OWPTO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>09:41</u>	Time <u>10:26</u>
Approx watercourse depth <u>3m.</u>	Approx watercourse depth <u>4m.</u>
Sampling depth <u>20cm.</u>	Sampling depth <u>10cm.</u>
Latitude <u>S 00° 58' 30.2"</u>	Latitude <u>S 00° 58' 33.6"</u>
Longitude <u>E 036° 34' 43.9"</u>	Longitude <u>E 036° 34' 43.2"</u>
Photos # <u>B30</u>	Photos # <u>B30</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Truck cleaning (car wash)
Water abstraction.
Stopping Centre.

Residential

Possible contamination sources:

Cleaning of trucks
water abstraction.

Dumping by residence and
road users

Extent of floodplain (in meters, for both side of the stream):

5 m.

10 m.

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Silt, pebble, cobble, boulders.

Hard rock, boulder, cobble, pebble
silt

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	<u>17.0</u>	<u>16.6</u>
Conductivity (µS/cm)	<u>576</u>	<u>563</u>
Turbidity (NTU)		
Dissolved oxygen (mg/L)	<u>10.0</u>	<u>12.2.</u>
pH	<u>7.60</u>	<u>7.20</u>
Salinity (ppt)	<u>0-1.</u>	<u>0-1.</u>
TDS (mg/l)	<u>440-5</u>	<u>435.1.</u>

(5.145215)

(5.145215)

11511

Water Quality Data Sheet

Site # or stream name (if known): B4

Water present: Yes No

Date: 25/02/2021

Person recording data: GILBERT OWITO

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>19:13</u>	Time <u>19:19</u>
Approx watercourse depth <u>2m</u>	Approx watercourse depth <u>15m.</u>
Sampling depth <u>-</u>	Sampling depth <u>-</u>
Latitude <u>S 00° 56' 45.0"</u>	Latitude <u>S 00° 56' 46.3"</u>
Longitude <u>E 036° 32' 47.0"</u>	Longitude <u>E 036° 32' 46.2"</u>
Photos # <u>B4U</u>	Photos # <u>B4D</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>

Site description (i.e surrounding land use and connectivity with other waterbodies):

Homesteads
Acacia tree plantations

Hay grass plantation
construction of railway

Possible contamination sources:

Dumping by road users

Dumping by road users

Extent of floodplain (in meters, for both side of the stream):

5m.

20m.

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

silt, cobble, pebble,

silt, cobble, pebble, boulder.

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)	/	/
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		

WSP

Water Quality Data Sheet

Site # or stream name (if known): K46 (B5)

Water present: Yes No

Date: 25/02/2021

Person recording data: GILBERT OWPTO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>12:26</u>	Time <u>12:16</u>
Approx watercourse depth <u>1m.</u>	Approx watercourse depth <u>20m.</u>
Sampling depth <u>-</u>	Sampling depth <u>-</u>
Latitude <u>S 00° 55' 32.3"</u>	Latitude <u>S 00° 55' 34.4"</u>
Longitude <u>E 036° 31' 46.6"</u>	Longitude <u>E 036° 31' 46.1"</u>
Photos # <u>12460</u>	Photos # <u>12461</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Crazing land, Hills,
Hay grass plantation.
Homestead

Hay grass plantation
constructed railwayline
Homestead, planted acacia
trees.

Possible contamination sources:

Dumping by road users.

Dumping by road users.

Extent of floodplain (in meters, for both side of the stream):

2m.

10m.

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Silt, boulder, pebble

silt, boulder, pebble

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)		
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		



Water Quality Data Sheet

Site # or stream name (if known): K47 (B6)

Water present: Yes No

Date: 25/02/2021

Person recording data: GILBERT OWATO

Weather in past 24 hours

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>12:41</u>	Time <u>12:36</u>
Approx watercourse depth <u>3m</u>	Approx watercourse depth <u>3m</u>
Sampling depth <u>-</u>	Sampling depth <u>-</u>
Latitude <u>S 00° 55' 11.7"</u>	Latitude <u>S 00° 55' 12.4"</u>
Longitude <u>E 036° 31' 29.6"</u>	Longitude <u>E 036° 31' 28.3"</u>
Photos # <u>K47D</u>	Photos # <u>K47D</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>

Site description (i.e surrounding land use and connectivity with other waterbodies):

Hills, cultivated land
Grazing field

Hay grass plantation
construction of railwayline

Possible contamination sources:

Dumping by road users

Dumping by road users

Extent of floodplain (in meters, for both side of the stream):

15m

10m

Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):

Hard rocks, boulders, silt, pebble

silt, cobble, pebble

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)		
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		



Water Quality Data Sheet

Site # or stream name (if known): B7 Water present: Yes No
 Date: 02/05/2021 Person recording data: Awato Gilbert

Weather in past **24 hours**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather **now**

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>08:14</u>	Time <u>08:20</u>
Approx watercourse depth <u>2m</u>	Approx watercourse depth <u>10m</u>
Sampling depth <u>—</u>	Sampling depth <u>—</u>
Latitude <u>S 00° 54' 24.4"</u>	Latitude <u>S 00° 54' 26.4"</u>
Longitude <u>E 036° 30' 54.2</u>	Longitude <u>E 036° 30' 53.3"</u>
Photos # <u>B7U</u>	Photos # <u>B7D</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # <u>—</u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u>—</u>
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Thicket and bush</u> <u>surrounded by hills</u>	<u>Railway construction</u> <u>planted forest</u>
Possible contamination sources:	
<u>Dumping by road users</u>	<u>Dumping by road users</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>30m</u>	<u>15m</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>cobble, pebble, sand, silt</u>	<u>cobble, pebble, sand, silt</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)		
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		

WSP

52

Water Quality Data Sheet

Site # or stream name (if known): B7

Water present: Yes No

Date: 25/02/2021

Person recording data: GILBERT OWPTO

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>08:53</u>	Time <u>09:01</u>
Approx watercourse depth <u>2m.</u>	Approx watercourse depth <u>10m.</u>
Sampling depth <u>-</u>	Sampling depth <u>-</u>
Latitude <u>S 00° 54' 25.7"</u>	Latitude <u>S 00° 54' 25.6"</u>
Longitude <u>E 036° 30' 54.2"</u>	Longitude <u>E 036° 30' 53.2"</u>
Photos # <u>B7U</u>	Photos # <u>B7D</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Arable land and bush</u>	<u>Construction of railway</u>
<u>surrounded by hills.</u>	<u>planted forest</u>
Possible contamination sources:	
<u>Dumping by road users</u>	<u>Dumping by road users</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>300m.</u>	
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Silt, cobble, pebble</u>	<u>Silt, cobble, pebble, hard rock</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)		
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		



Water Quality Data Sheet

Site # or stream name (if known): K 49 (B10)

Water present: Yes No

Date: 25/02/2021

Person recording data: ALBERT OWATO

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Time <u>13:25</u>	Time <u>13:35</u>
Approx watercourse depth <u>1.5m.</u>	Approx watercourse depth <u>8m.</u>
Sampling depth <u>—</u>	Sampling depth <u>—</u>
Latitude <u>S 00°46'55.6"</u>	Latitude <u>S 00°46'55.8"</u>
Longitude <u>E 036°27'17.1"</u>	Longitude <u>E 036°27'14.4"</u>
Photos # <u>1490</u>	Photos # <u>1490</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>
Site description (i.e surrounding land use and connectivity with other waterbodies):	
<u>Planted forest</u> <u>residential</u>	<u>fenced homesteads.</u> <u>planted acacia trees</u>
Possible contamination sources:	
<u>Dumping by road users</u>	<u>Dumping by road users.</u>
Extent of floodplain (in meters, for both side of the stream):	
<u>4m</u>	<u>10m.</u>
Type of substrata (hard rock, boulder, cobble, pebble, sand, silt or clay):	
<u>Silt, boulders, pebbles</u>	<u>Semented for more than 100m,</u> <u>Silt.</u>

Parameter (taken in the field)	Field measurement (upstream)	Field measurement (downstream)
Temperature (° C)		
Conductivity (µS/cm)		
Turbidity (NTU)		
Dissolved oxygen (mg/L)		
pH		
Salinity (ppt)		
TDS (mg/l)		

APPENDIX

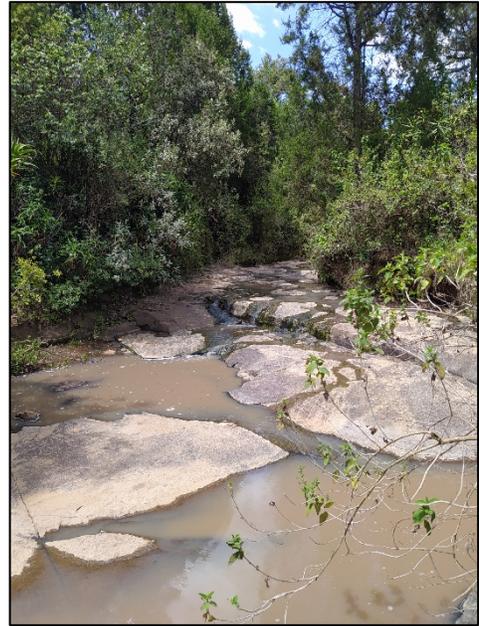
6-4 *SURFACE WATER SURVEY – FIELD PHOTOGRAPHS*



Site sampling



Watercourse 1 – Dry season, Upstream
(Water)



Watercourse 1 – Dry season, Downstream
(Water)



Watercourse 1 – Wet season, Upstream
(Water & Sediment)



Watercourse 1 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse 3 – Dry season, Upstream
(Water)



Watercourse 3 – Dry season, Downstream
(Water)



Watercourse 3 – Wet season, Upstream
(Water & Sediment)



Watercourse 3 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse 4+ – Dry season, Upstream
(Water)



Watercourse 4+ – Dry season, Downstream
(Water)



Watercourse 4+ – Wet season, Upstream
(Water & Sediment)



Watercourse 4+ – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse 5 – Dry season, Upstream
(Water)



Watercourse 5 – Dry season, Downstream
(Water)



Watercourse 5 – Wet season, Upstream
(Water & Sediment)

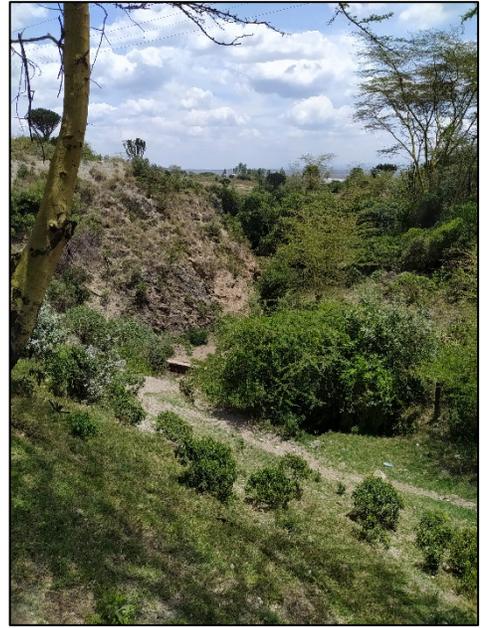


Watercourse 5 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse 6 – Dry season, Upstream
(Water)



Watercourse 6 – Dry season, Downstream
(Water)



Watercourse 6 – Wet season, Upstream
(Water)

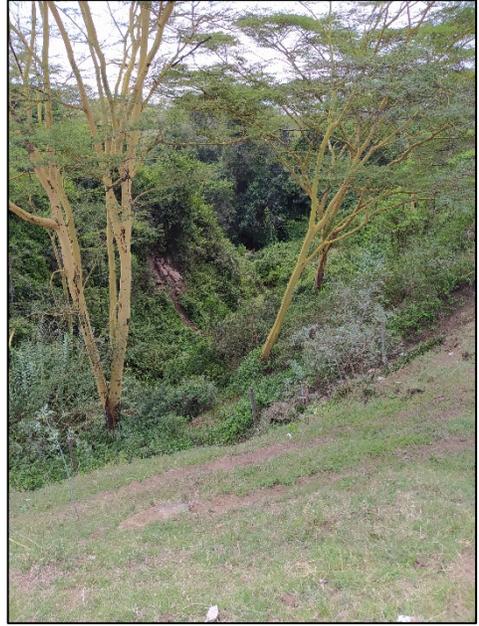


Watercourse 6 – Wet season, Downstream
(Water)

Site sampling



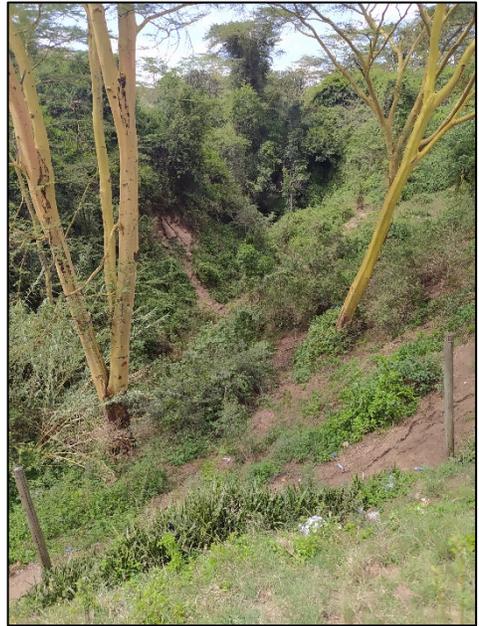
Watercourse 7 – Dry season, Upstream
(Water)



Watercourse 7 – Dry season, Downstream
(Water)



Watercourse 7 – Wet season, Upstream
(Water)



Watercourse 7 – Wet season, Downstream
(Water)

Site sampling



Watercourse 8 – Dry season, Upstream
(Water)



Watercourse 8 – Dry season, Downstream
(Water)



Watercourse 8 – Wet season, Upstream
(Water & Sediment)



Watercourse 8 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse 9 – Dry season, Upstream
(Water)



Watercourse 9 – Dry season, Downstream
(Water)



Watercourse 9 – Wet season, Upstream
(Water)



Watercourse 9 – Wet season, Downstream
(Water)

Site sampling



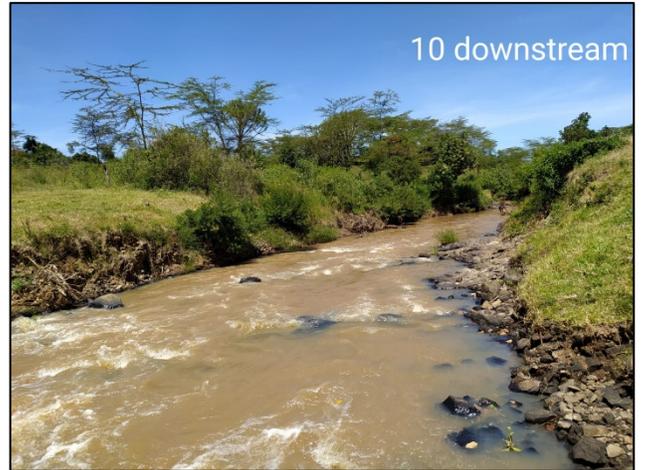
Watercourse 10 – Dry season, Upstream
(Water)



Watercourse 10 – Dry season, Downstream
(Water)



Watercourse 10 – Wet season, Upstream
(Water & Sediment)



Watercourse 10 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse 11 – Dry season, Upstream
(Water)



Watercourse 11 – Dry season, Downstream
(Water)

Site sampling



Watercourse 12 – Dry season, Upstream
(Water)



Watercourse 12 – Dry season, Downstream
(Water)



Watercourse 12 – Wet season, Upstream
(Water & Sediment)



Watercourse 12 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse 13 – Dry season, Upstream
(Water)



Watercourse 13 – Dry season, Downstream
(Water)



Watercourse 13 – Wet season, Upstream
(Water)



Watercourse 13 – Wet season, Downstream
(Water)

Site sampling



Watercourse 14 – Dry season, Upstream
(Water)



Watercourse 14 – Dry season, Downstream
(Water)



Watercourse 14 – Wet season, Upstream
(Water)



Watercourse 14 – Wet season, Downstream
(Water)

Site sampling



Watercourse 15 – Dry season, Upstream
(Water)



Watercourse 15 – Dry season, Downstream
(Water)



Watercourse 15 – Wet season, Upstream
(Water & Sediment)



Watercourse 15 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse B3 – Dry season, Upstream
(Water)



Watercourse B3 – Dry season, Downstream
(Water)



Watercourse B3 – Wet season, Upstream
(Water & Sediment)



Watercourse B3 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse B4 – Dry season, Upstream
(Water)

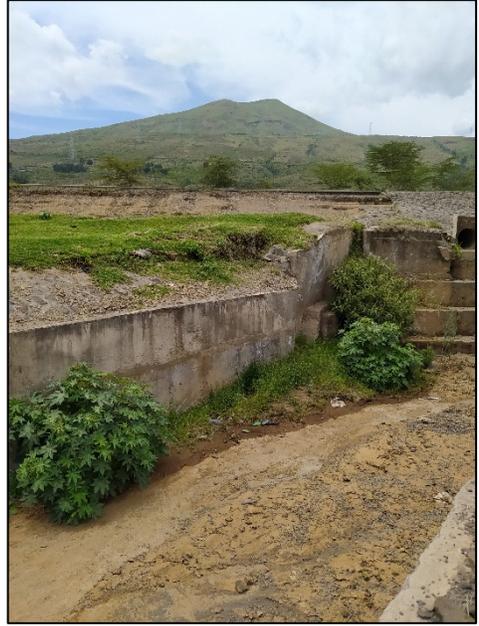


Watercourse B4 – Dry season, Downstream
(Water)

Site sampling

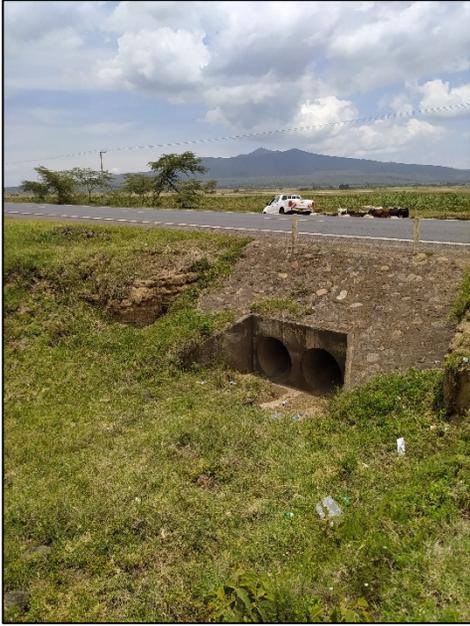


Watercourse B5 – Dry season, Upstream
(Water)

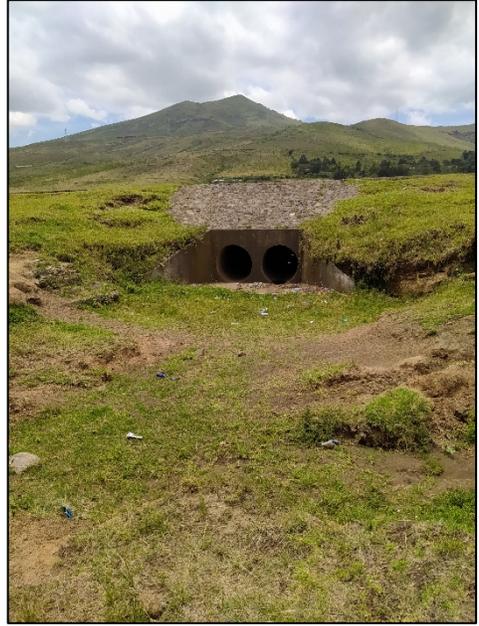


Watercourse B5 – Dry season, Downstream
(Water)

Site sampling

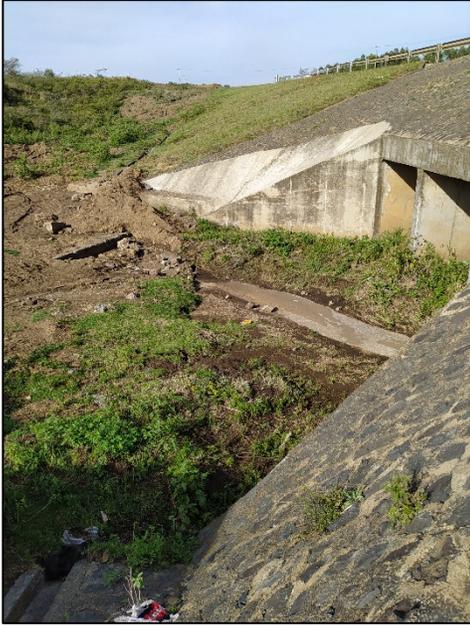


Watercourse B6 – Dry season, Upstream
(Water)

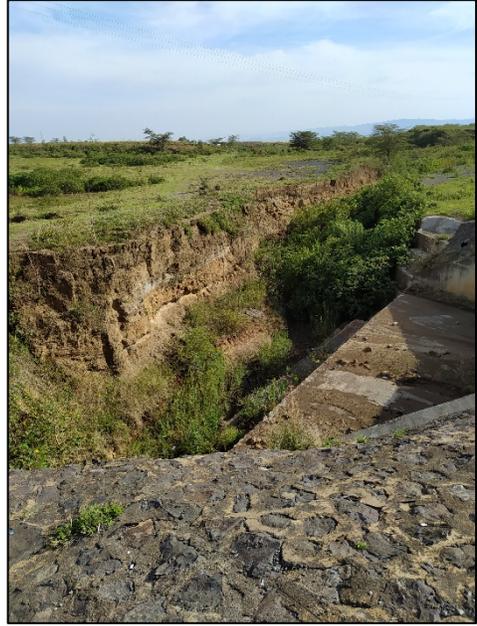


Watercourse B6 – Dry season, Downstream
(Water)

Site sampling



Watercourse B7 – Dry season, Upstream
(Water)



Watercourse B7 – Dry season, Downstream
(Water)



Watercourse B7 – Wet season, Upstream
(Water & Sediment)



Watercourse B7 – Wet season, Downstream
(Water & Sediment)

Site sampling



Watercourse B10 – Dry season, Upstream
(Water)



Watercourse B10 – Dry season, Downstream
(Water)

APPENDIX

6-5 *SURFACE WATER SURVEY – LABORATORY CERTIFICATES*



Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
15(a)

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	45	u. Hazen
Turbidity	APHA 2130 B	5.23	NTU
Total Suspended Solids	APHA 2540 D	<5.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Hardness	APHA 2340 B	19.87	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 1 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05557.001

PRODUCT DESCRIPTION: WATER
 SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 07/01/2021
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 12/12/20
 15(a)

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 2 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
15(b)

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	50	u. Hazen
Turbidity	APHA 2130 B	6.57	NTU
Total Suspended Solids	APHA 2540 D	7.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Hardness	APHA 2340 B	19.84	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 3 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

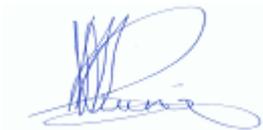
NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05557.002

PRODUCT DESCRIPTION: WATER
 SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 07/01/2021
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 12/12/20
 15(b)

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 4 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
10(a)

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	32.60	NTU
Total Suspended Solids	APHA 2540 D	12.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	27.84	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 5 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

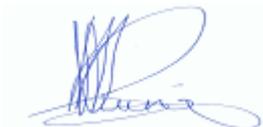
NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05557.003

PRODUCT DESCRIPTION: WATER
 SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 07/01/2021
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 12/12/20
 10(a)

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 6 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
10(b)

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	30.10	NTU
Total Suspended Solids	APHA 2540 D	9.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	28.25	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 7 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

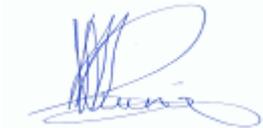
NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05557.004

PRODUCT DESCRIPTION: WATER
 SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 07/01/2021
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 12/12/20
 10(b)

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 8 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
5(a)

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	11.93	NTU
Total Suspended Solids	APHA 2540 D	16.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	18.51	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 9 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.005

PRODUCT DESCRIPTION: WATER
 SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 07/01/2021
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 13/12/20
 5(a)

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 10 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
5(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	19.49	NTU
Total Suspended Solids	APHA 2540 D	14.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	19.15	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 11 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.006

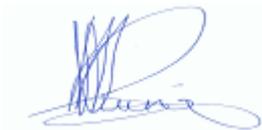
PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
5(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 12 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
b+(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	32.20	NTU
Total Suspended Solids	APHA 2540 D	9.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	36.83	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 13 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
b+(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 14 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05557.008

PRODUCT DESCRIPTION: WATER
 SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 07/01/2021
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 13/12/20
 b+(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	30.70	NTU
Total Suspended Solids	APHA 2540 D	11.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	36.54	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 15 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
b+(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 16 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	30	u. Hazen
Turbidity	APHA 2130 B	3.89	NTU
Total Suspended Solids	APHA 2540 D	8.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	258.59	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 17 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.009

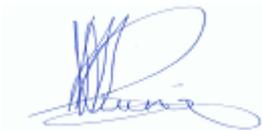
PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 18 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	35	u. Hazen
Turbidity	APHA 2130 B	3.14	NTU
Total Suspended Solids	APHA 2540 D	6.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	258.91	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 19 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 20 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
b3(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	6.11	NTU
Total Suspended Solids	APHA 2540 D	23.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	64.07	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 21 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
b3(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 22 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
b3(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	30	u. Hazen
Turbidity	APHA 2130 B	4.99	NTU
Total Suspended Solids	APHA 2540 D	10.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	63.04	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 23 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.012

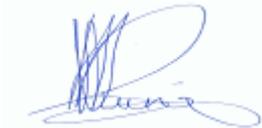
PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
b3(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 24 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	121.00	NTU
Total Suspended Solids	APHA 2540 D	5.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	52.23	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 25 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.013

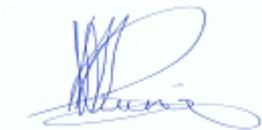
PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(a)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 26 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	126.00	NTU
Total Suspended Solids	APHA 2540 D	5.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	50.53	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 27 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.014

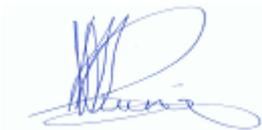
PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(b)

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.1	mg/l
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 28 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
FB

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	127.00	NTU
Total Suspended Solids	APHA 2540 D	27.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Phenols	APHA-5530 D	<0.001	mg/l
Total Hardness	APHA 2340 B	53.27	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
TPH C6 - C44		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/l
Acenaphthylene		<0.1	mg/l
Anthracene		<0.1	mg/l
Benzo(a)anthracene		<0.1	mg/l
Benzo(a)pyrene		<0.1	mg/l
Benzo(b)fluoranthene		<0.1	mg/l
Benzo(g,h,i)perylene		<0.1	mg/l
Benzo(k)fluoranthene		<0.1	mg/l
Chrysene		<0.1	mg/l
Dibenz(a,h)anthracene		<0.1	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist



Florah Mshimba-Chemist

080120210922 0000125457

Page 29 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05557.015

PRODUCT DESCRIPTION: WATER

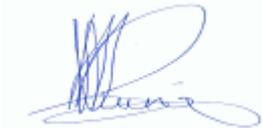
SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
FB

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Fluoranthene		<0.1	mg/l
Fluorene		<0.1	mg/l
Indeno(1,2,3-cd)pyrene		<0.1	mg/l
Naphthalene		<0.1	mg/l
PAH (sum)		<0.1	µg/L
Phenanthrene		<0.1	mg/l
Pyrene		<0.1	mg/l
S - Benzene	NEN-EN-ISO 15680	<1	µg/L
S - Toluene	NEN-EN-ISO 15680	<1	µg/L
S - Ethylbenzene	NEN-EN-ISO 15680	<1	µg/L
S - Xylenes (sum)	NEN-EN-ISO 15680	<2	µg/L

****End of Analytical Results****

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Joseph Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

080120210922 0000125457

Page 30 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 03/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S26
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	35	u. Hazen
Total Suspended Solids	APHA 2540 D	92.00	mg/l
Total Dissolved Solids	APHA 2540 C	62.00	mg/l
Turbidity	APHA 2130 B	14.69	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210914 0000127274

Page 1 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

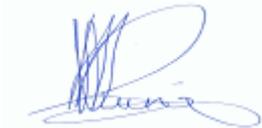
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S26
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

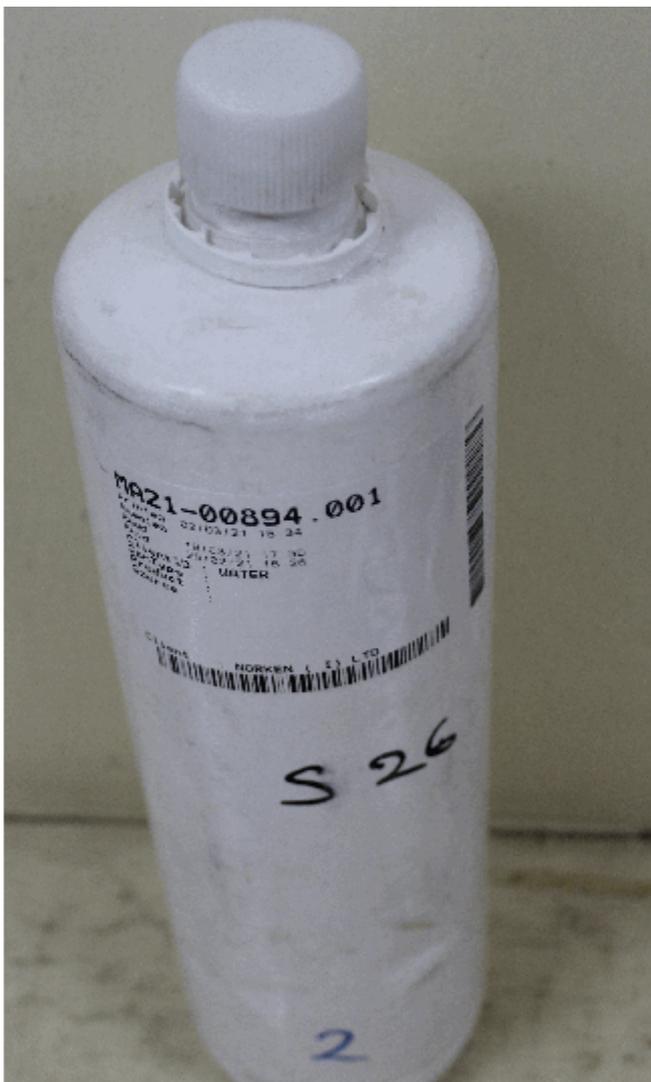
190320210923 0000127274

Page 2 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 3 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 03/03/2021
 ANALYSIS COMPLETED: 18/03/2021
 SGS ORDERNO: 5000215
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S22
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	25	u. Hazen
Total Suspended Solids	APHA 2540 D	78.00	mg/l
Total Dissolved Solids	APHA 2540 C	61.00	mg/l
Turbidity	APHA 2130 B	20.50	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210923 0000127274

Page 4 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S22
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

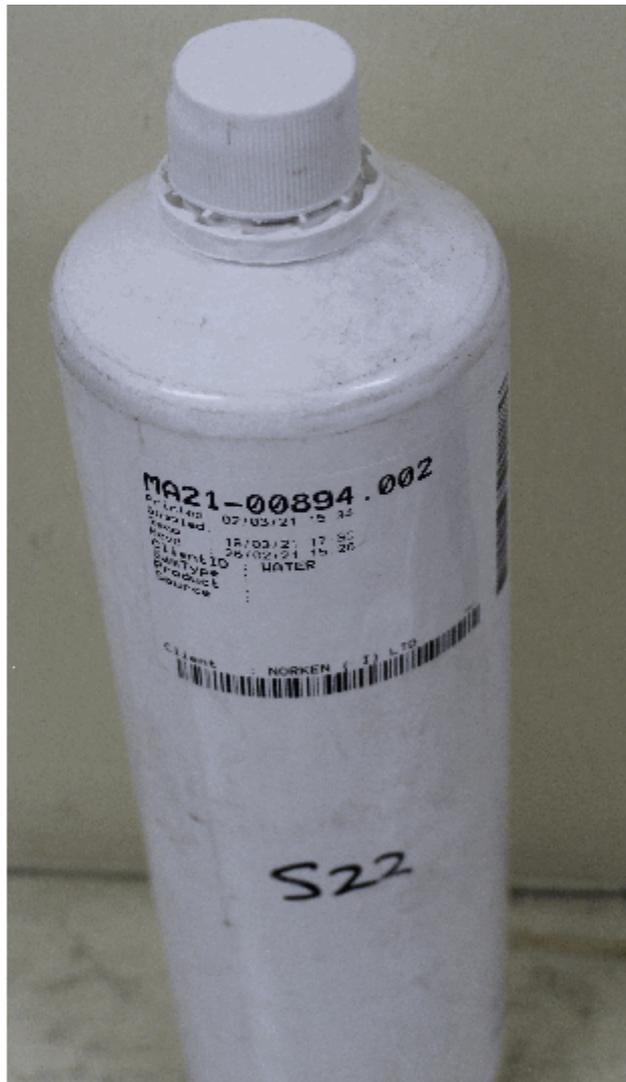
190320210923 0000127274

Page 5 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 6 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 03/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S83
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Total Suspended Solids	APHA 2540 D	124.00	mg/l
Total Dissolved Solids	APHA 2540 C	188.00	mg/l
Turbidity	APHA 2130 B	22.50	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210923 0000127274

Page 7 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S83
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

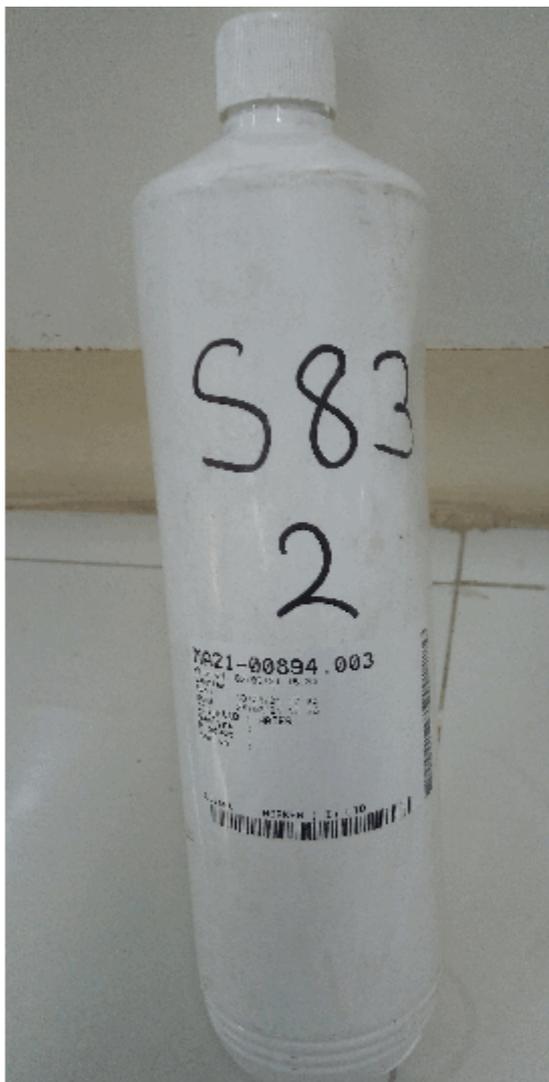
190320210923 0000127274

Page 8 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 9 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 03/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S8
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Total Suspended Solids	APHA 2540 D	367.00	mg/l
Total Dissolved Solids	APHA 2540 C	117.00	mg/l
Turbidity	APHA 2130 B	78.30	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210923 0000127274

Page 10 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.004

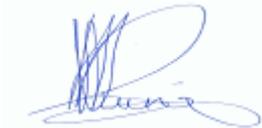
PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 03/03/2021
 ANALYSIS COMPLETED: 18/03/2021
 SGS ORDERNO: 5000215
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S8
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

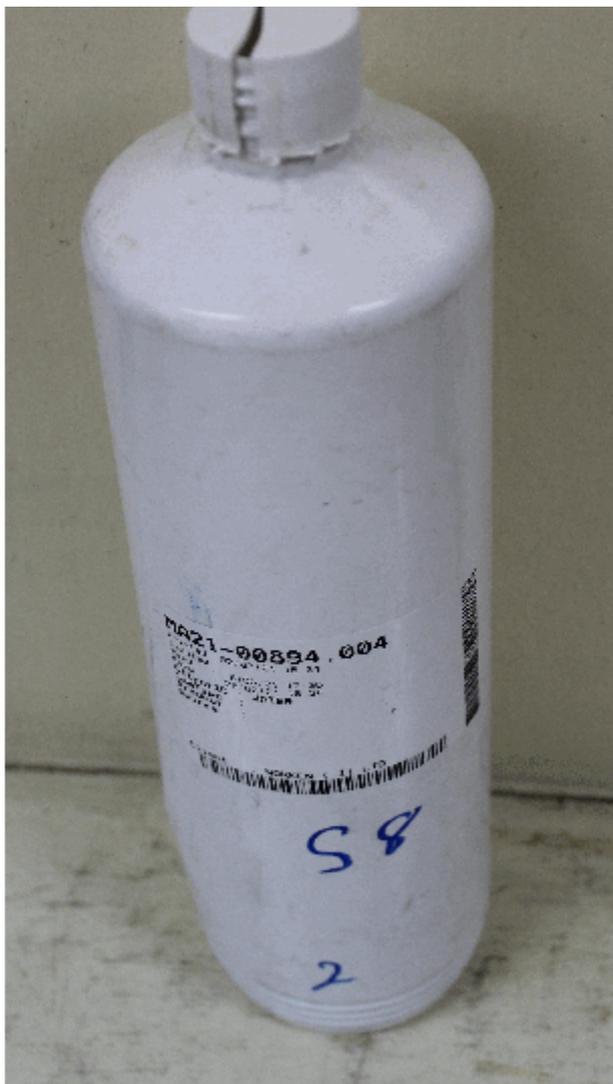
190320210923 0000127274

Page 11 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 12 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S38
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	30	u. Hazen
Total Suspended Solids	APHA 2540 D	120.00	mg/l
Total Dissolved Solids	APHA 2540 C	81.00	mg/l
Turbidity	APHA 2130 B	2.60	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210923 0000127274

Page 13 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

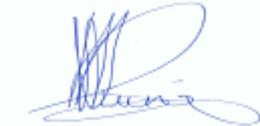
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S38
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

190320210923 0000127274

Page 14 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 15 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S94
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Total Suspended Solids	APHA 2540 D	154.00	mg/l
Total Dissolved Solids	APHA 2540 C	199.00	mg/l
Turbidity	APHA 2130 B	18.36	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210923 0000127274

Page 16 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

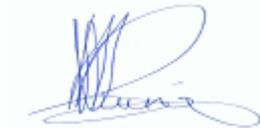
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S94
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

190320210923 0000127274

Page 17 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 18 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S50
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	25	u. Hazen
Total Suspended Solids	APHA 2540 D	141.00	mg/l
Total Dissolved Solids	APHA 2540 C	121.00	mg/l
Turbidity	APHA 2130 B	2.48	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210923 0000127274

Page 19 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S50
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

190320210923 0000127274

Page 20 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 21 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S56
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	50	u. Hazen
Total Suspended Solids	APHA 2540 D	121.00	mg/l
Total Dissolved Solids	APHA 2540 C	126.00	mg/l
Turbidity	APHA 2130 B	10.54	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210923 0000127274

Page 22 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

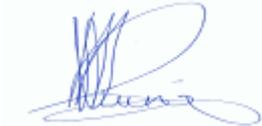
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S56
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

190320210923 0000127274

Page 23 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.008

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210923 0000127274

Page 24 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 03/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S3
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Total Suspended Solids	APHA 2540 D	336.00	mg/l
Total Dissolved Solids	APHA 2540 C	83.00	mg/l
Turbidity	APHA 2130 B	2.95	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210949 0000127275

Page 1 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

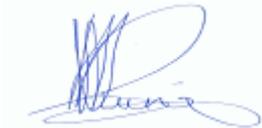
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S3
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

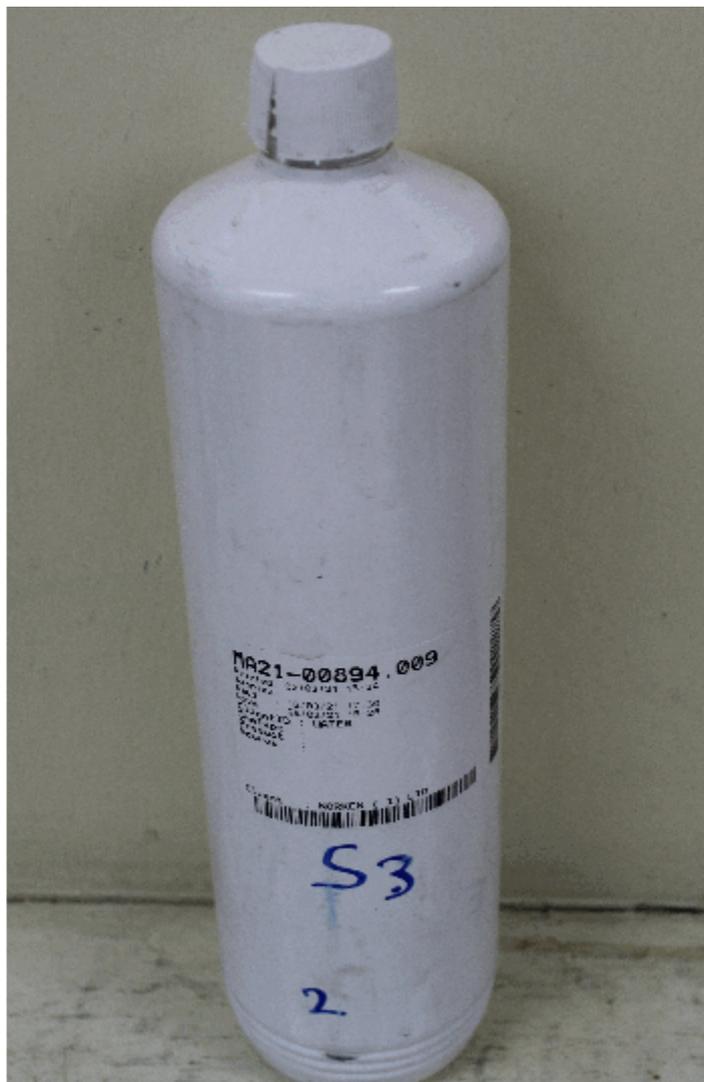
190320210959 0000127275

Page 2 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 3 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S89
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Total Suspended Solids	APHA 2540 D	179.00	mg/l
Total Dissolved Solids	APHA 2540 C	194.00	mg/l
Turbidity	APHA 2130 B	21.20	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210959 0000127275

Page 4 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

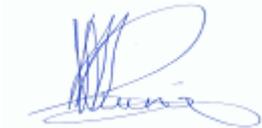
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S89
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

190320210959 0000127275

Page 5 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 6 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 03/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S74
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Total Suspended Solids	APHA 2540 D	172.00	mg/l
Total Dissolved Solids	APHA 2540 C	151.00	mg/l
Turbidity	APHA 2130 B	8.37	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210959 0000127275

Page 7 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

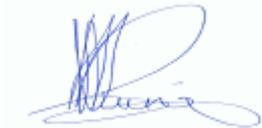
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S74
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

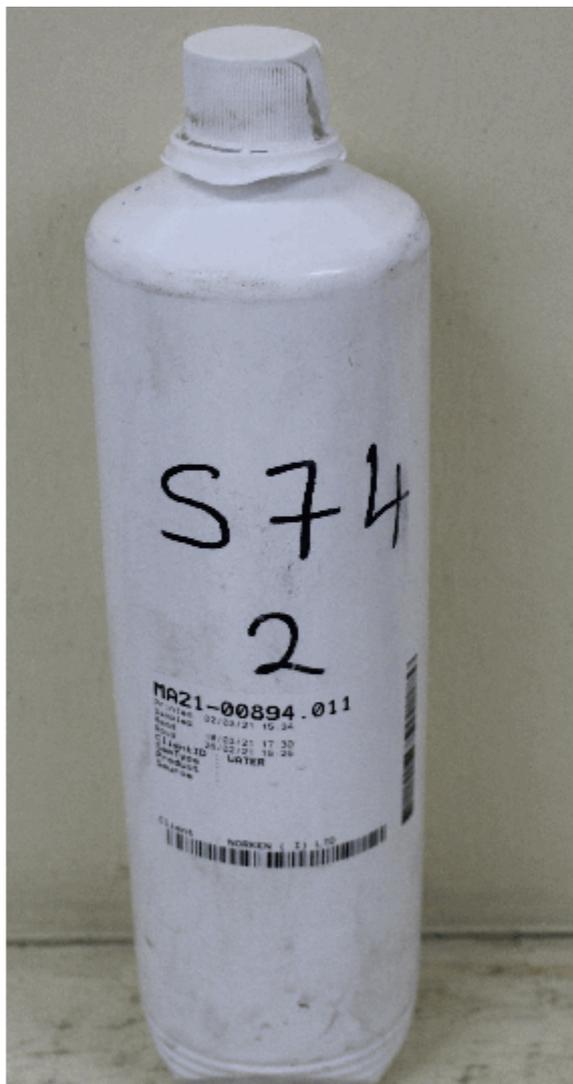
190320210959 0000127275

Page 8 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 9 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 03/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S14
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	60	u. Hazen
Total Suspended Solids	APHA 2540 D	130.00	mg/l
Total Dissolved Solids	APHA 2540 C	74.00	mg/l
Turbidity	APHA 2130 B	2.83	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210959 0000127275

Page 10 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

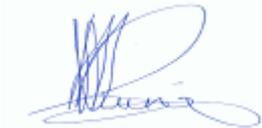
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S14
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

190320210959 0000127275

Page 11 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 12 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S68
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	20	u. Hazen
Total Suspended Solids	APHA 2540 D	145.00	mg/l
Total Dissolved Solids	APHA 2540 C	161.00	mg/l
Turbidity	APHA 2130 B	21.00	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210959 0000127275

Page 13 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

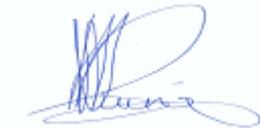
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S68
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

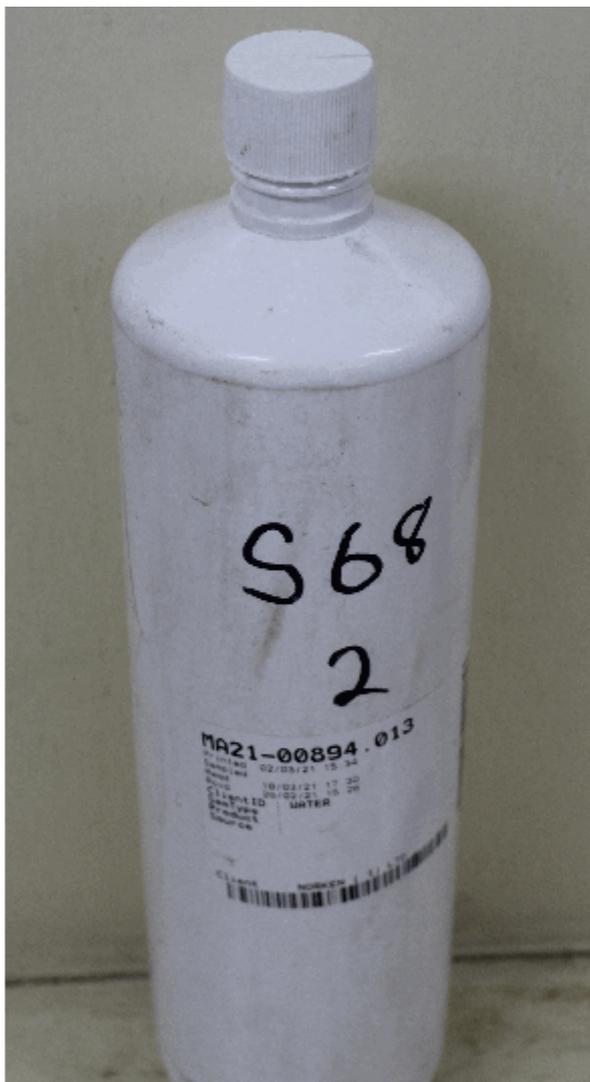
190320210959 0000127275

Page 14 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 15 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S62
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	>70	u. Hazen
Total Suspended Solids	APHA 2540 D	175.00	mg/l
Total Dissolved Solids	APHA 2540 C	127.00	mg/l
Turbidity	APHA 2130 B	14.48	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210959 0000127275

Page 16 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S62
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

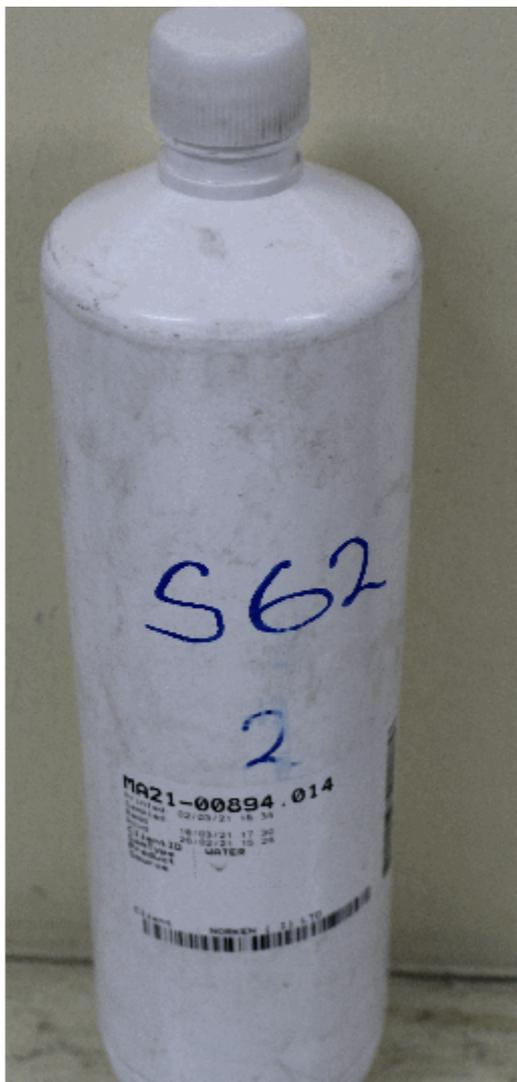
190320210959 0000127275

Page 17 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 18 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 03/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S32
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	40	u. Hazen
Total Suspended Solids	APHA 2540 D	184.00	mg/l
Total Dissolved Solids	APHA 2540 C	58.00	mg/l
Turbidity	APHA 2130 B	11.36	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210959 0000127275

Page 19 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S32
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

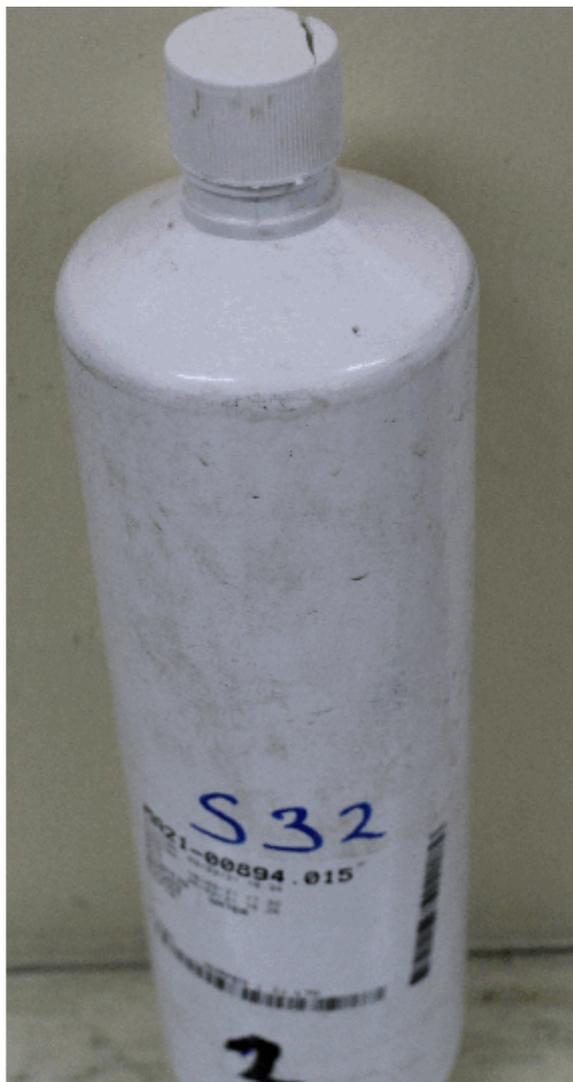
190320210959 0000127275

Page 20 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.015

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 21 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00894.016

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S44
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Colour	APHA 2120 B	35	u. Hazen
Total Suspended Solids	APHA 2540 D	234.00	mg/l
Total Dissolved Solids	APHA 2540 C	144.00	mg/l
Turbidity	APHA 2130 B	3.95	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

190320210959 0000127275

Page 22 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00894.016

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 18/03/2021

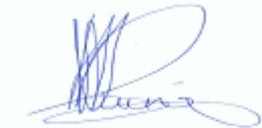
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S44
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

190320210959 0000127275

Page 23 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00894.016

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

190320210959 0000127275

Page 24 of 24

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S169
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	8.00	mg/l
Total Dissolved Solids	APHA 2540 C	115.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	137.00	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory



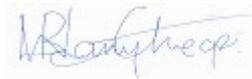
Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211620 0000127252

Page 1 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 18/03/2021
 SGS ORDERNO: 5000215
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S169
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

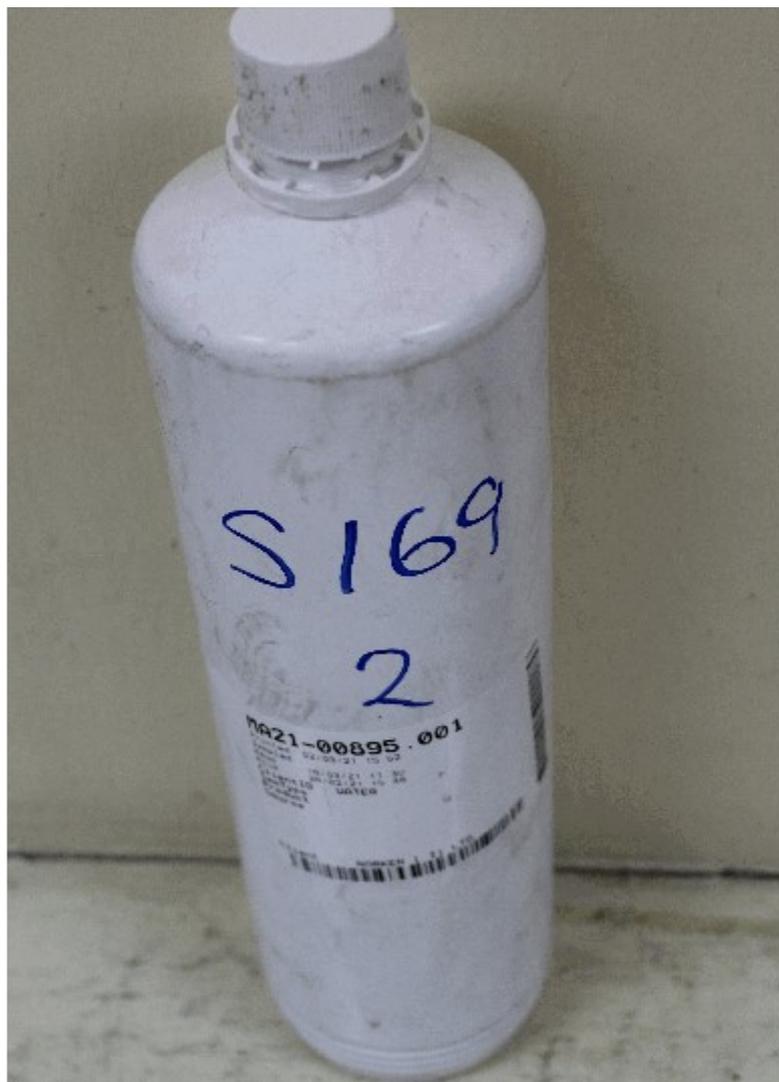
180320211626 0000127252

Page 2 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211626 0000127252

Page 3 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S157
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	<5.00	mg/l
Total Dissolved Solids	APHA 2540 C	321.00	mg/l
Colour	APHA 2120 B	15	u. Hazen
Turbidity	APHA 2130 B	2.37	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211626 0000127252

Page 4 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 18/03/2021
 SGS ORDERNO: 5000215
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S157
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211626 0000127252

Page 5 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211626 0000127252

Page 6 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S139
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	142.00	mg/l
Total Dissolved Solids	APHA 2540 C	275.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	256.00	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211626 0000127252

Page 7 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S139
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211626 0000127252

Page 8 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211626 0000127252

Page 9 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S167
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	5.00	mg/l
Total Dissolved Solids	APHA 2540 C	13.00	mg/l
Colour	APHA 2120 B	20	u. Hazen
Turbidity	APHA 2130 B	2.27	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211626 0000127252

Page 10 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 18/03/2021
 SGS ORDERNO: 5000215
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S167
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

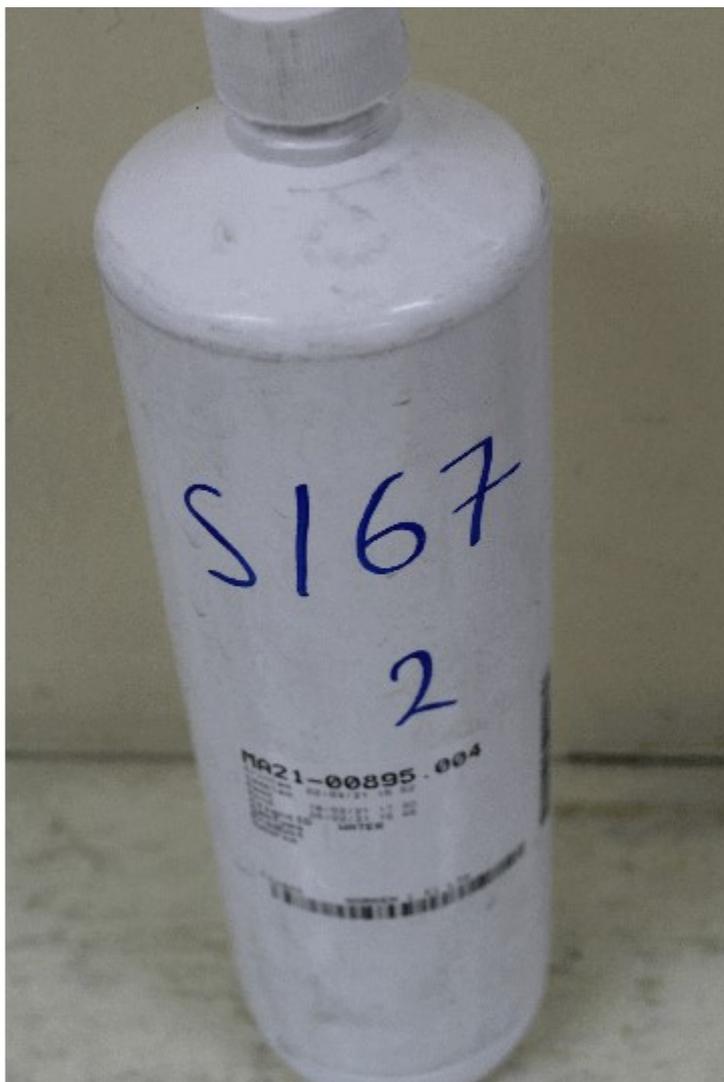
180320211626 0000127252

Page 11 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211626 0000127252

Page 12 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703.
e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S98
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	10.00	mg/l
Total Dissolved Solids	APHA 2540 C	141.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	41.20	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211626 0000127252

Page 13 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S98
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

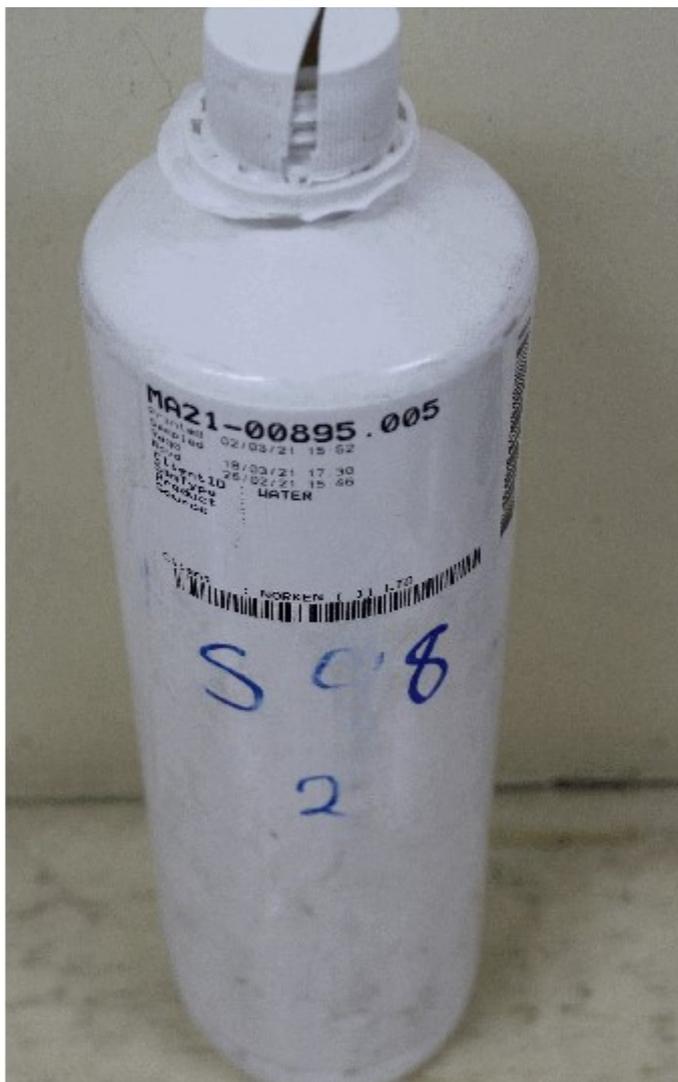
180320211626 0000127252

Page 14 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211626 0000127252

Page 15 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.006 Re-issue: 1

**** This Amended Report cancels and supersedes the Report No.MA21-00895.006 dated 18032021 issued by SGS ****

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

REISSUE COMMENT: AMMENDMENT OF MARKS

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S104
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	14.00	mg/l
Total Dissolved Solids	APHA 2540 C	140.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	41.00	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

250320211541 0000127523

Page 1 of 3

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.006 Re-issue: 1

**** This Amended Report cancels and supersedes the Report No.MA21-00895.006 dated 18032021 issued by SGS ****

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

REISSUE COMMENT: AMMENDMENT OF MARKS

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S104
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

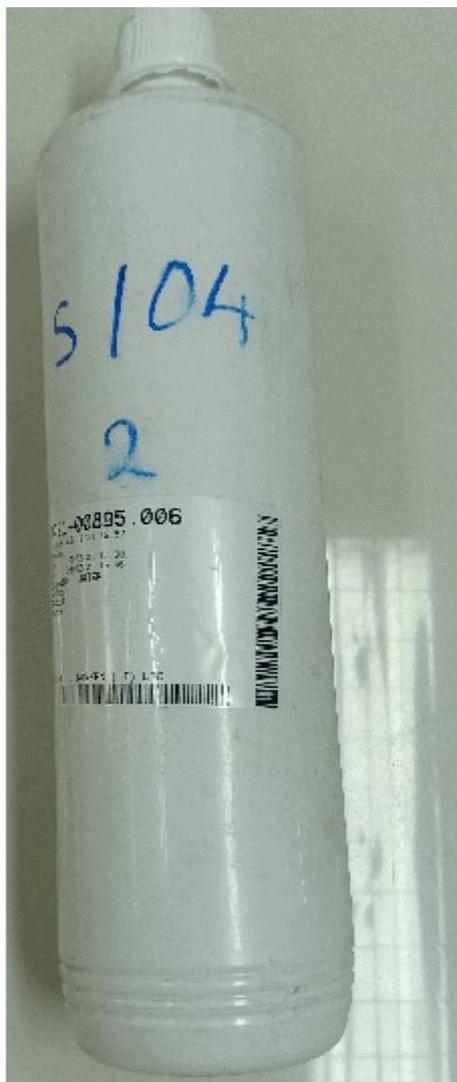
250320211541 0000127523

Page 2 of 3

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.006

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

250320211541 0000127523

Page 3 of 3

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 18/03/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S133
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	129.00	mg/l
Total Dissolved Solids	APHA 2540 C	277.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	247.00	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211626 0000127252

Page 19 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 18/03/2021
 SGS ORDERNO: 5000215
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S133
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

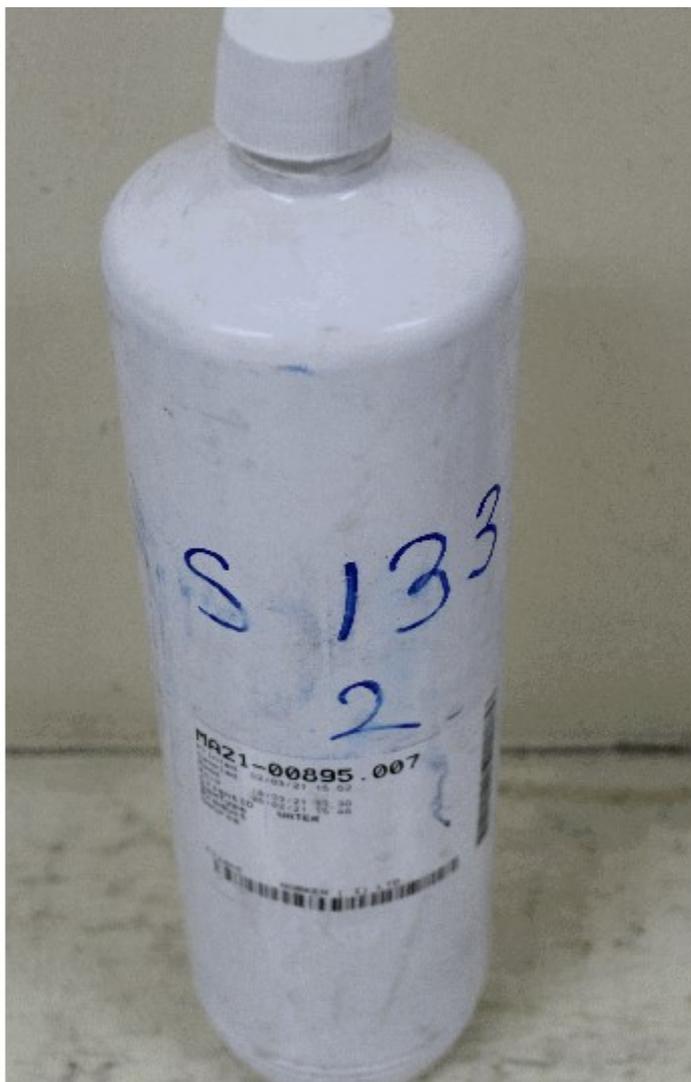
180320211626 0000127252

Page 20 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.007

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211626 0000127252

Page 21 of 21

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S110
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	24.00	mg/l
Total Dissolved Solids	APHA 2540 C	124.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	188.00	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

180320211636 0000127257

Page 1 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S110
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

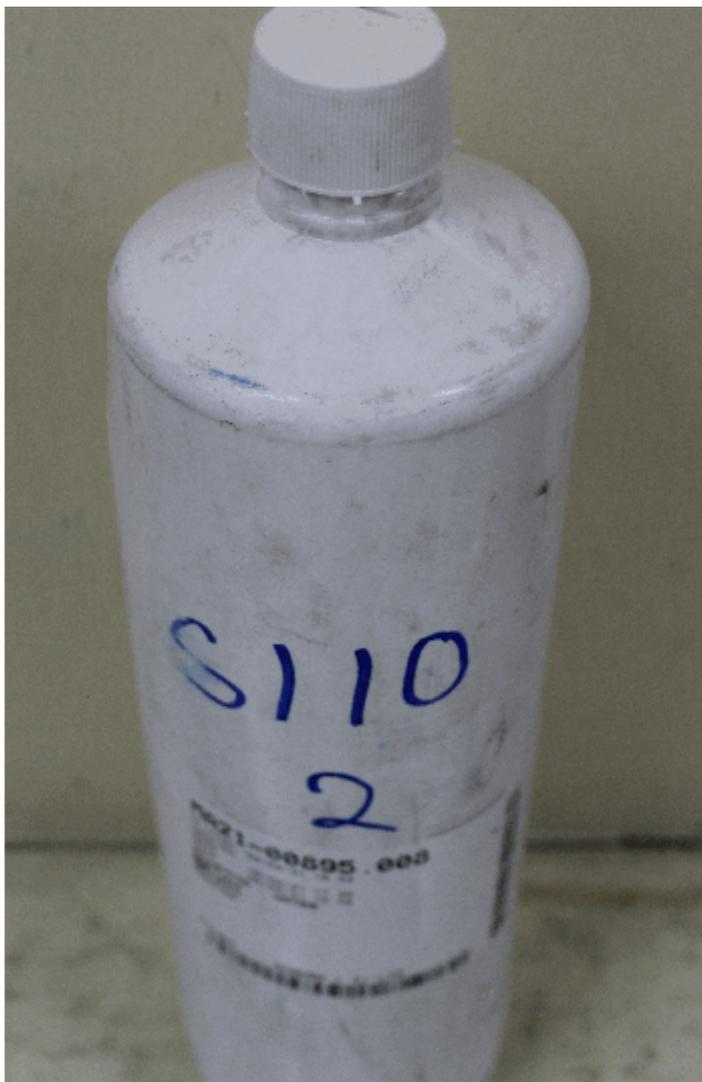
180320211640 0000127257

Page 2 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.008

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211640 0000127257

Page 3 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S127
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	13.00	mg/l
Total Dissolved Solids	APHA 2540 C	118.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	34.70	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

180320211640 0000127257

Page 4 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S127
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

180320211640 0000127257

Page 5 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211640 0000127257

Page 6 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S151
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	6.00	mg/l
Total Dissolved Solids	APHA 2540 C	554.00	mg/l
Colour	APHA 2120 B	40	u. Hazen
Turbidity	APHA 2130 B	8.09	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

180320211640 0000127257

Page 7 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

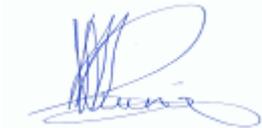
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S151
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

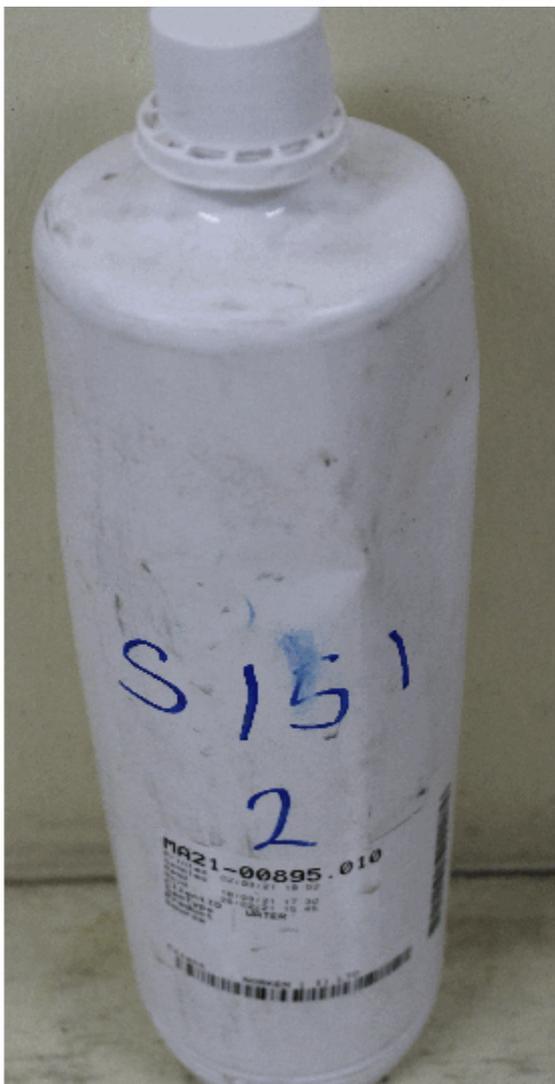
180320211640 0000127257

Page 8 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211640 0000127257

Page 9 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S121
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	17.00	mg/l
Total Dissolved Solids	APHA 2540 C	118.00	mg/l
Colour	APHA 2120 B	45	u. Hazen
Turbidity	APHA 2130 B	34.10	NTU
Phenols	APHA-5530 D	0.02	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

180320211640 0000127257

Page 10 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

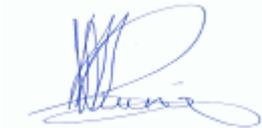
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S121
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

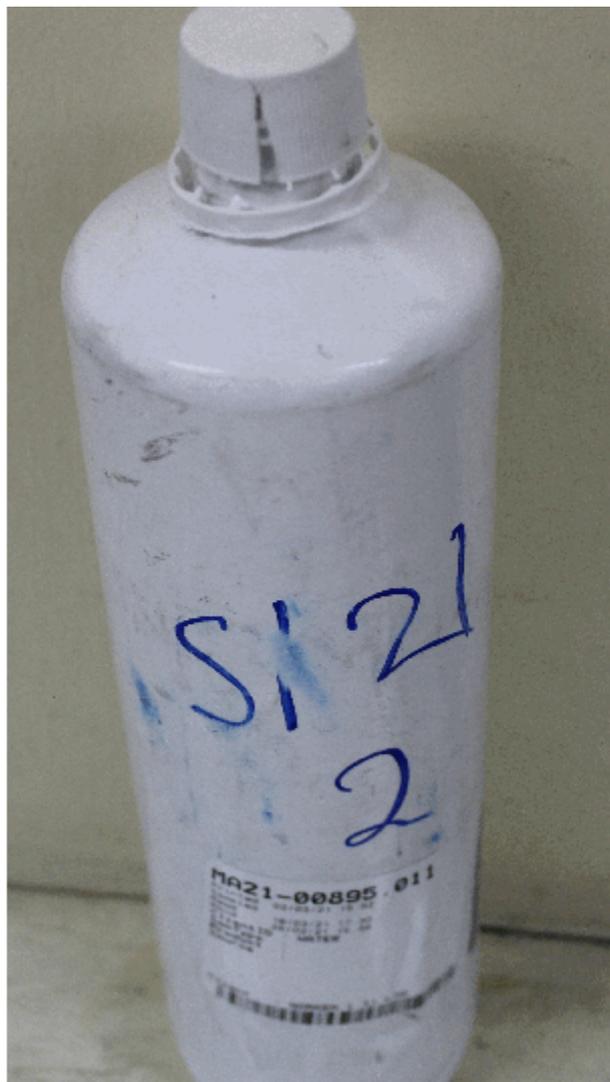
180320211640 0000127257

Page 11 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211640 0000127257

Page 12 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 18/03/2021
 SGS ORDERNO: 5000215
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S116
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	12.00	mg/l
Total Dissolved Solids	APHA 2540 C	125.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	176.00	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

180320211640 0000127257

Page 13 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S116
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

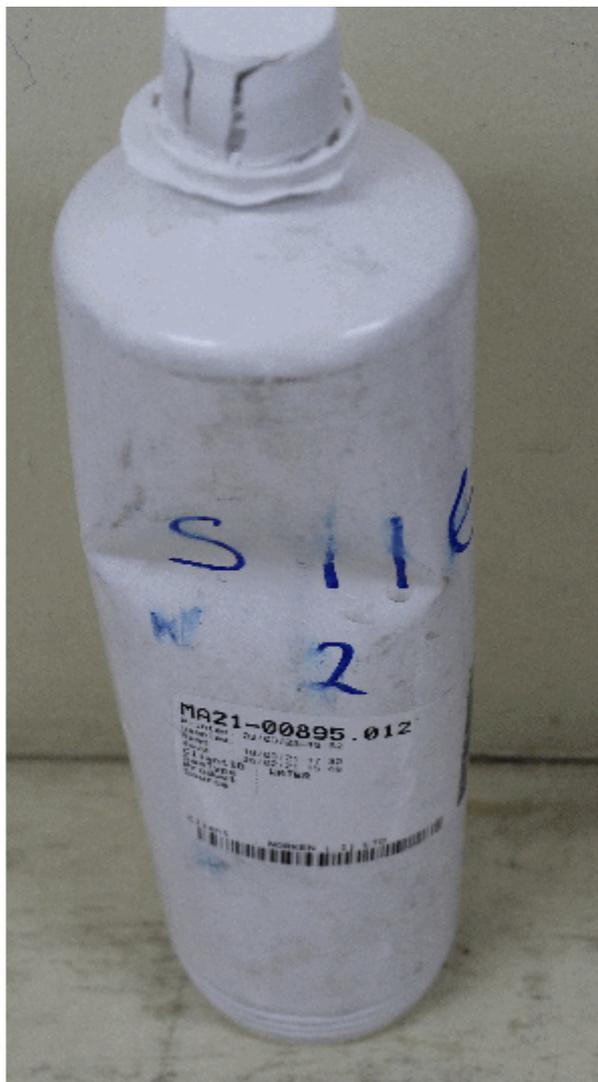
180320211640 0000127257

Page 14 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211640 0000127257

Page 15 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00895.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S145
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	15.00	mg/l
Total Dissolved Solids	APHA 2540 C	555.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	9.85	NTU
Phenols	APHA-5530 D	0.01	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist



Caroline Chege-Chemist

180320211640 0000127257

Page 16 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 18/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00895.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 18/03/2021

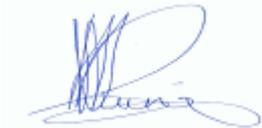
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S145
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l
Volatile Organic Compounds	EPA 8260B		
Benzene		<10	µg/L
Toluene		<10	µg/L
Ethylbenzene		<10	µg/L
Xylenes (sum)		<20	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

Technical Signatory



Caroline Chege-Chemist

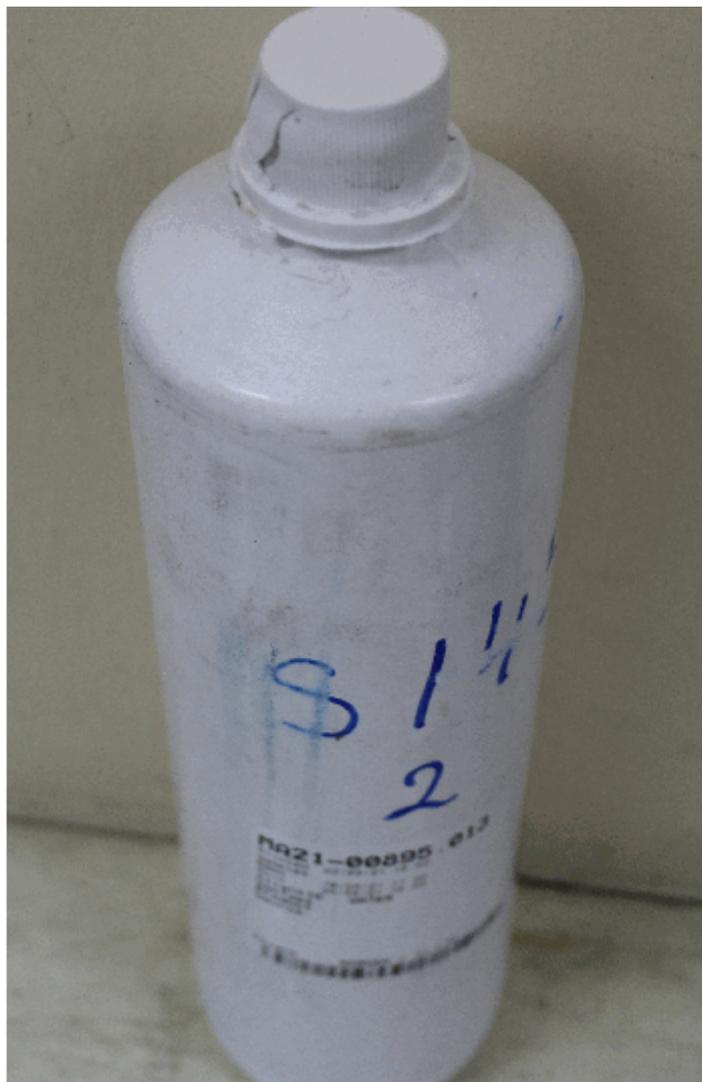
180320211640 0000127257

Page 17 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00895.013

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

Technical Signatory

Caroline Chege-Chemist

180320211640 0000127257

Page 18 of 18

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.001 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.001 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

6U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	373.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	41.80	NTU
Total Dissolved Solids	APHA 2540 C	395.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211636 0000129192

Page 1 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.001 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.001 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6U
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 2 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.001 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.001 dated 26052021 issued by SGS ****

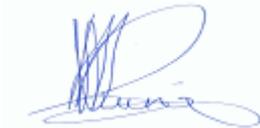
PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 6U
 2
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	48.03	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

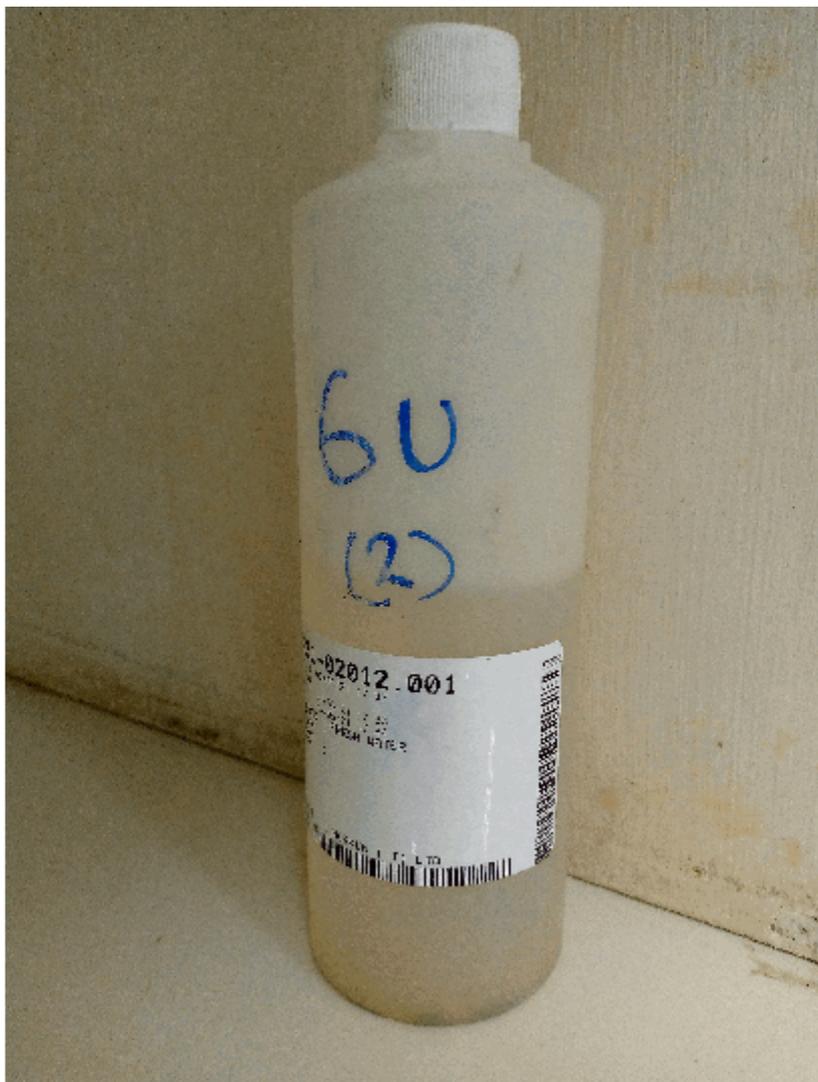
260520211638 0000129192

Page 3 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 4 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.002 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.002 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

6D

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	282.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	53.00	NTU
Total Dissolved Solids	APHA 2540 C	392.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 5 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.002 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.002 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 6D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

260520211638 0000129192

Page 6 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.002 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.002 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 6D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	49.36	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

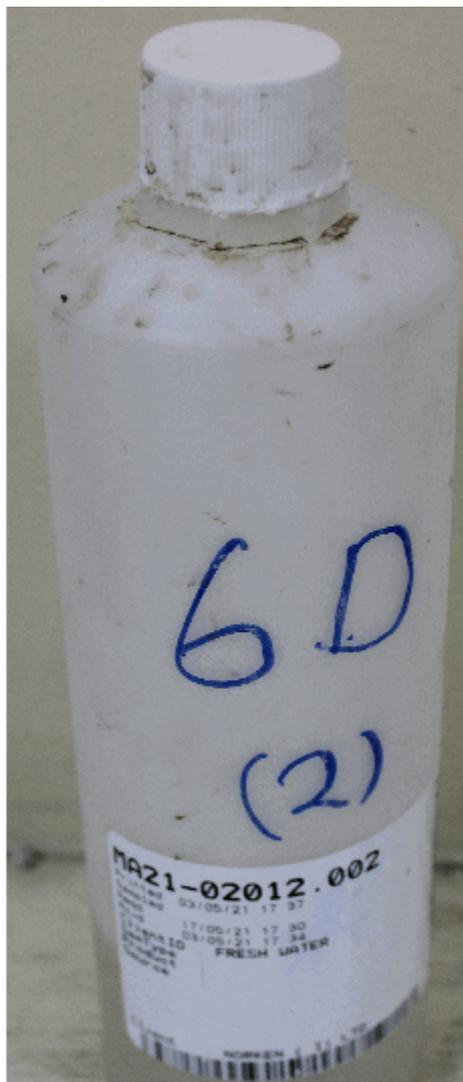
260520211638 0000129192

Page 7 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 8 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.003 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.003 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

8U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	216.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	53.00	NTU
Total Dissolved Solids	APHA 2540 C	101.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 9 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.003 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.003 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8U
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 10 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.003 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.003 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8U
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	22.19	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

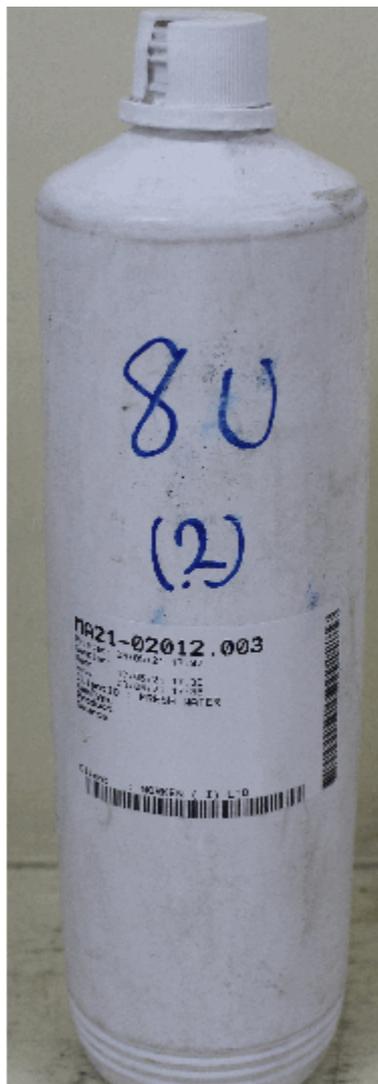
260520211638 0000129192

Page 11 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 12 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.004 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.004 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

8D

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	238.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	57.00	NTU
Total Dissolved Solids	APHA 2540 C	100.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 13 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.004 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.004 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 14 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.004 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.004 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	25.86	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

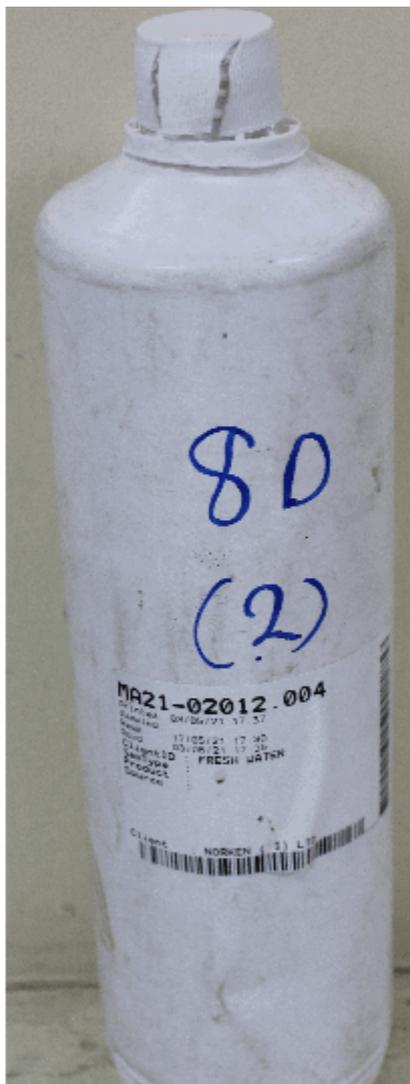
260520211638 0000129192

Page 15 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 16 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.005 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.005 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

D1U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	157.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	80.60	NTU
Total Dissolved Solids	APHA 2540 C	101.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 17 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.005 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.005 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1U
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 18 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.005 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.005 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1U
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	21.92	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

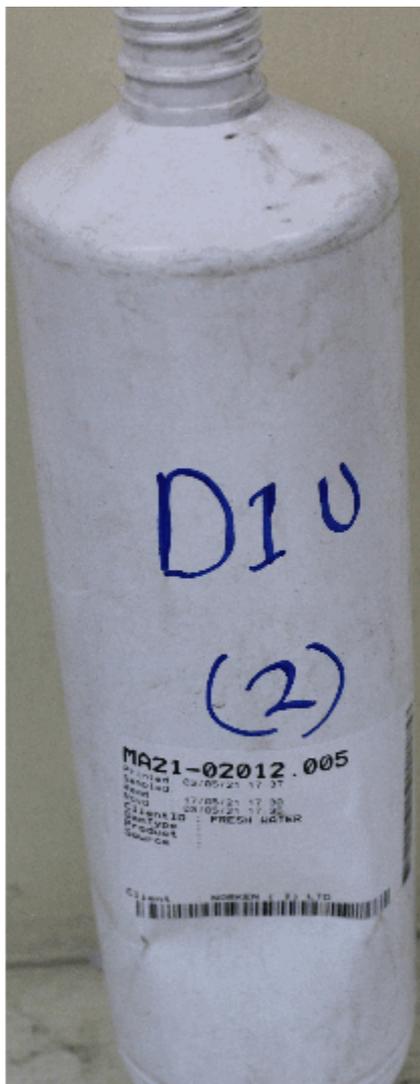
260520211638 0000129192

Page 19 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 20 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.006 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.006 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	146.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	61.70	NTU
Total Dissolved Solids	APHA 2540 C	100.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 21 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.006 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.006 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 22 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable). This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.006 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.006 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	22.88	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

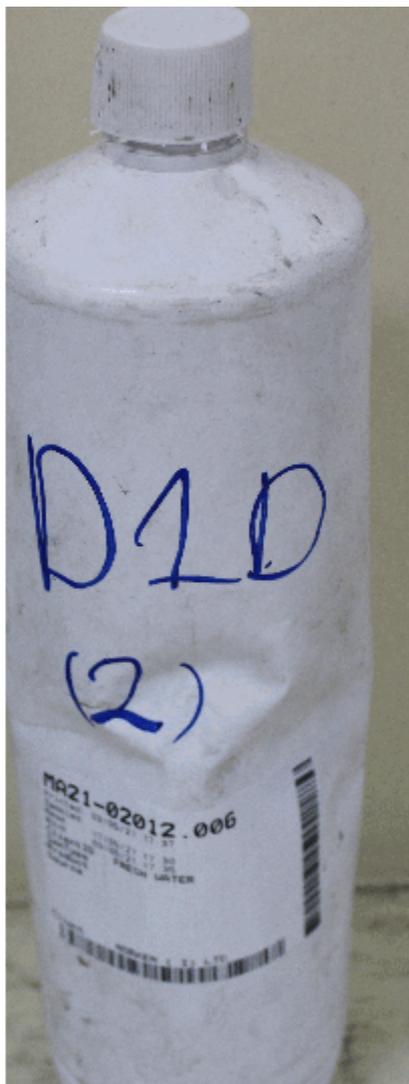
260520211638 0000129192

Page 23 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 24 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.007 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.007 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

9U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	284.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	77.20	NTU
Total Dissolved Solids	APHA 2540 C	159.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 25 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.007 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.007 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

9U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 26 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.007 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.007 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

9U

2

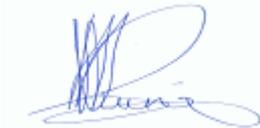
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	19.43	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

260520211638 0000129192

Page 27 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 28 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.008 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.008 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

9D

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	301.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	77.60	NTU
Total Dissolved Solids	APHA 2540 C	167.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 29 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.008 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.008 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 9D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 30 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.008 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.008 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

9D

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	21.76	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

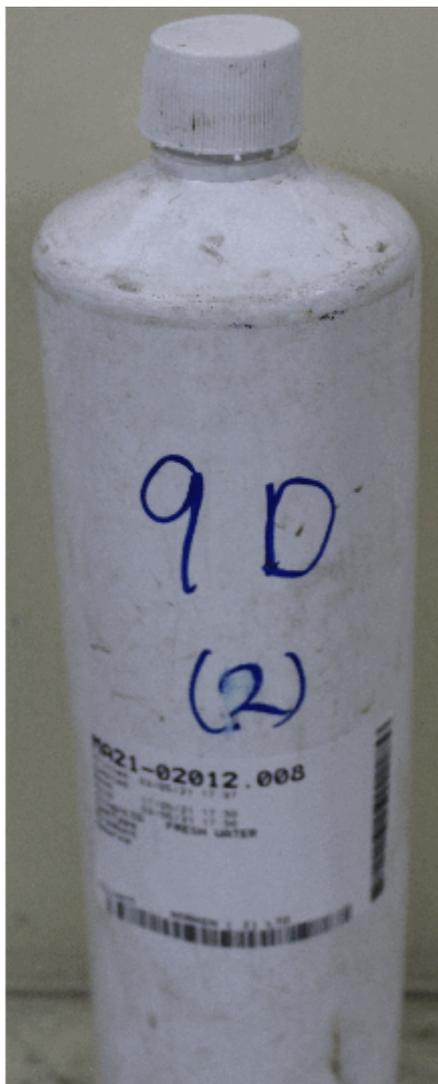
260520211638 0000129192

Page 31 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.008

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 32 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.009 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.009 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 12U
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	204.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	22.60	NTU
Total Dissolved Solids	APHA 2540 C	98.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 33 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.009 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.009 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12U
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

260520211638 0000129192

Page 34 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.009 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.009 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 12U
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	21.26	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

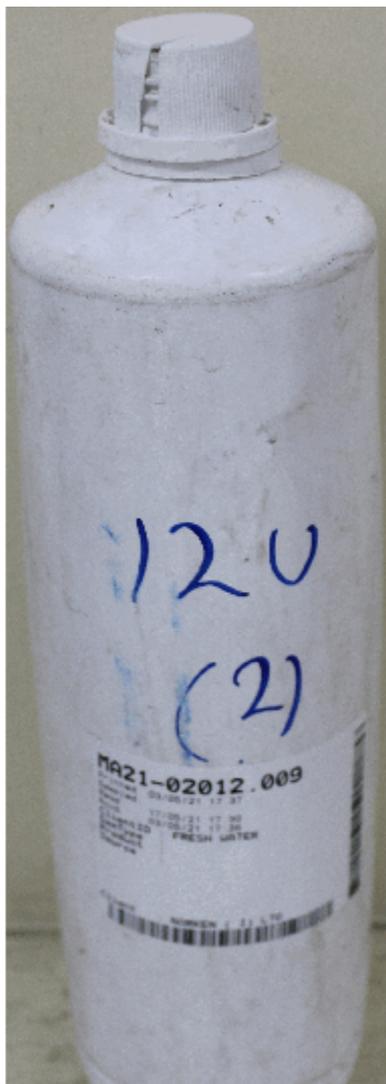
260520211638 0000129192

Page 35 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 36 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.010 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.010 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

12D

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	203.00	mg/l
Colour	APHA 2120 B	>70	u. Hazen
Turbidity	APHA 2130 B	20.40	NTU
Total Dissolved Solids	APHA 2540 C	97.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 37 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.010 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.010 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

12D

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
-------	--------	--------	-------

Polycyclic Aromatic Hydrocarbons

EPA 8270D

Benzo(a)pyrene	<0.10	mg/l
Benzo(b)fluoranthene	<0.10	mg/l
Benzo(g,h,i)perylene	<0.10	mg/l
Benzo(k)fluoranthene	<0.10	mg/l
Chrysene	<0.10	mg/l
Dibenz(a,h)anthracene	<0.10	mg/l
Fluoranthene	<0.10	mg/l
Fluorene	<0.10	mg/l
Indeno(1,2,3-cd)pyrene	<0.10	mg/l
Naphthalene	<0.10	mg/l
PAH (sum)	<0.10	µg/L
Phenanthrene	<0.10	mg/l
Pyrene	<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 38 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.010 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.010 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 12D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	22.61	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

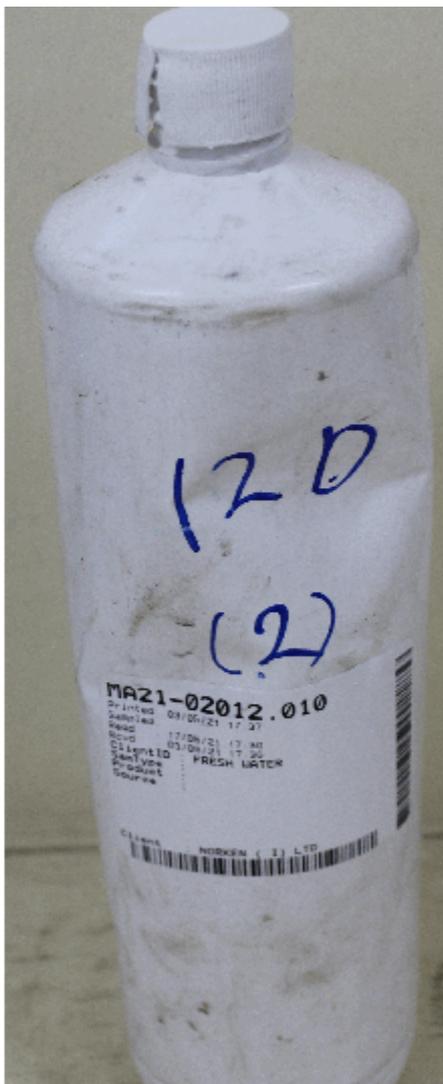
260520211638 0000129192

Page 39 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 40 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.011 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.011 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

13U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	164.00	mg/l
Colour	APHA 2120 B	25	u. Hazen
Turbidity	APHA 2130 B	4.53	NTU
Total Dissolved Solids	APHA 2540 C	124.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 41 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.011 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.011 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

13U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 42 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.011 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.011 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13U
2

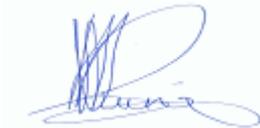
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	38.79	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

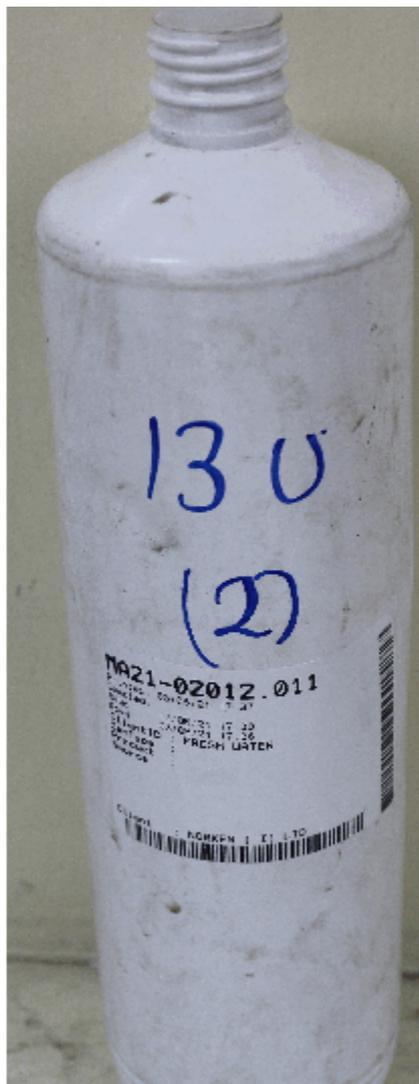
260520211638 0000129192

Page 43 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 44 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.012 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.012 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

13D

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	195.00	mg/l
Colour	APHA 2120 B	25	u. Hazen
Turbidity	APHA 2130 B	4.53	NTU
Total Dissolved Solids	APHA 2540 C	125.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 45 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.012 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.012 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 13D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 46 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.012 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.012 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13D
2

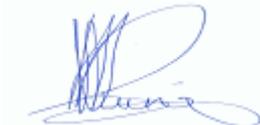
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	36.62	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

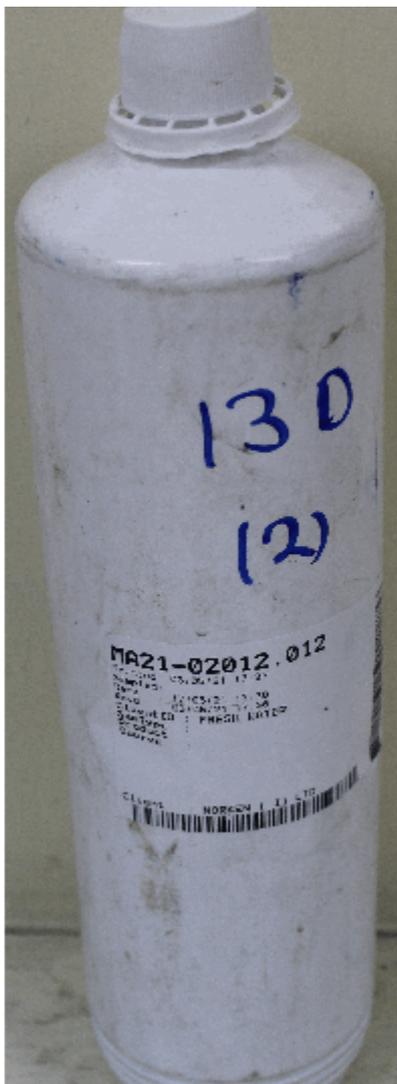
260520211638 0000129192

Page 47 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 48 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.013 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.013 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
14U
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	247.00	mg/l
Colour	APHA 2120 B	35	u. Hazen
Turbidity	APHA 2130 B	32.60	NTU
Total Dissolved Solids	APHA 2540 C	75.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 49 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.013 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.013 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

14U

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
-------	--------	--------	-------

Polycyclic Aromatic Hydrocarbons

EPA 8270D

Benzo(a)pyrene	<0.10	mg/l
Benzo(b)fluoranthene	<0.10	mg/l
Benzo(g,h,i)perylene	<0.10	mg/l
Benzo(k)fluoranthene	<0.10	mg/l
Chrysene	<0.10	mg/l
Dibenz(a,h)anthracene	<0.10	mg/l
Fluoranthene	<0.10	mg/l
Fluorene	<0.10	mg/l
Indeno(1,2,3-cd)pyrene	<0.10	mg/l
Naphthalene	<0.10	mg/l
PAH (sum)	<0.10	µg/L
Phenanthrene	<0.10	mg/l
Pyrene	<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 50 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.013 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.013 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 14U
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	20.79	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

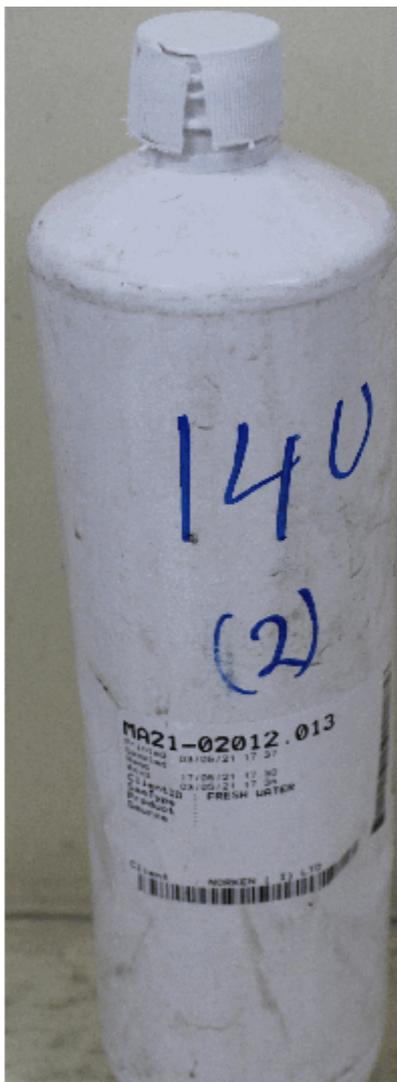
260520211638 0000129192

Page 51 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 52 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.014 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.014 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
14D
2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	212.00	mg/l
Colour	APHA 2120 B	35	u. Hazen
Turbidity	APHA 2130 B	7.03	NTU
Total Dissolved Solids	APHA 2540 C	81.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

260520211638 0000129192

Page 53 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.014 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.014 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 14D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 54 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.014 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.014 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 14D
 2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	22.49	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

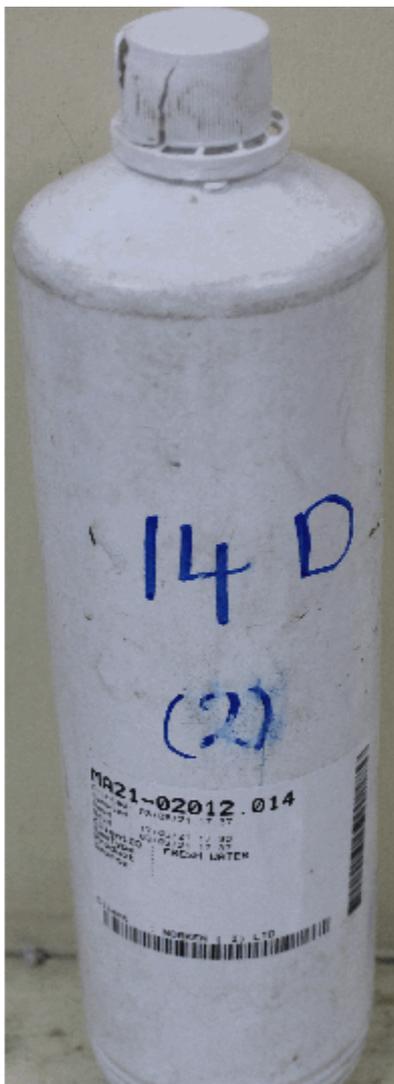
260520211638 0000129192

Page 55 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 56 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.015 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.015 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

FB1

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	146.00	mg/l
Colour	APHA 2120 B	2.5	u. Hazen
Turbidity	APHA 2130 B	2.05	NTU
Total Dissolved Solids	APHA 2540 C	50.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 57 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.015 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.015 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

FB1

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 58 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02012.015 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.015 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 05/05/2021
 ANALYSIS COMPLETED: 26/05/2021
 SGS ORDERNO: 5000370
 REISSUE COMMENT: CHANGE OF PARAMETER NAME
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 FB1
 2
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	1.63	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

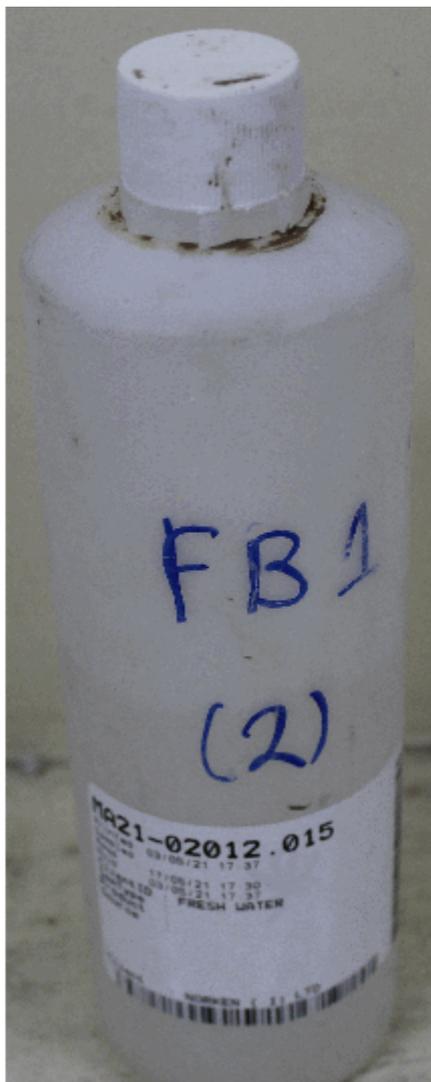
260520211638 0000129192

Page 59 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.015

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 60 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.016 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.016 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

FB2

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Total Suspended Solids	APHA 2540 D	169.00	mg/l
Colour	APHA 2120 B	2.5	u. Hazen
Turbidity	APHA 2130 B	2.23	NTU
Total Dissolved Solids	APHA 2540 C	50.00	mg/l
Oil and Greases	SGS TW 6	<0.10	mg/l
Total Phenols	APHA 5530 D	<0.001	mg/l
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/l
DRO (TPH C10 - C28)		<1.0	mg/l
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/l
Acenaphthylene		<0.10	mg/l
Anthracene		<0.10	mg/l
Benzo(a)anthracene		<0.10	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Nancy Ochieng-Chemist



Florah Mshimba-Chemist

260520211638 0000129192

Page 61 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.016 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.016 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE

FB2

2

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Benzo(a)pyrene		<0.10	mg/l
Benzo(b)fluoranthene		<0.10	mg/l
Benzo(g,h,i)perylene		<0.10	mg/l
Benzo(k)fluoranthene		<0.10	mg/l
Chrysene		<0.10	mg/l
Dibenz(a,h)anthracene		<0.10	mg/l
Fluoranthene		<0.10	mg/l
Fluorene		<0.10	mg/l
Indeno(1,2,3-cd)pyrene		<0.10	mg/l
Naphthalene		<0.10	mg/l
PAH (sum)		<0.10	µg/L
Phenanthrene		<0.10	mg/l
Pyrene		<0.10	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

260520211638 0000129192

Page 62 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02012.016 Re-issue: 2

**** This Amended Report cancels and supersedes the Report No.MA21-02012.016 dated 26052021 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 05/05/2021

ANALYSIS COMPLETED: 26/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: CHANGE OF PARAMETER NAME

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB2
2

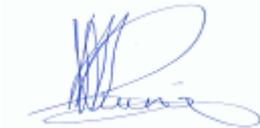
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Hardness, Dissolved, Water mg/l	APHA 2340 B	0.84	mg/l
S - Benzene	DIN 38407-9-1	<1	µg/L
S - Toluene	DIN 38407-9-1	<1	µg/L
S - Ethylbenzene	DIN 38407-9-1	<1	µg/L
S - Total Xylene	DIN 38407-9-1	<2	µg/L

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Nancy Ochieng-Chemist

Technical Signatory



Florah Mshimba-Chemist

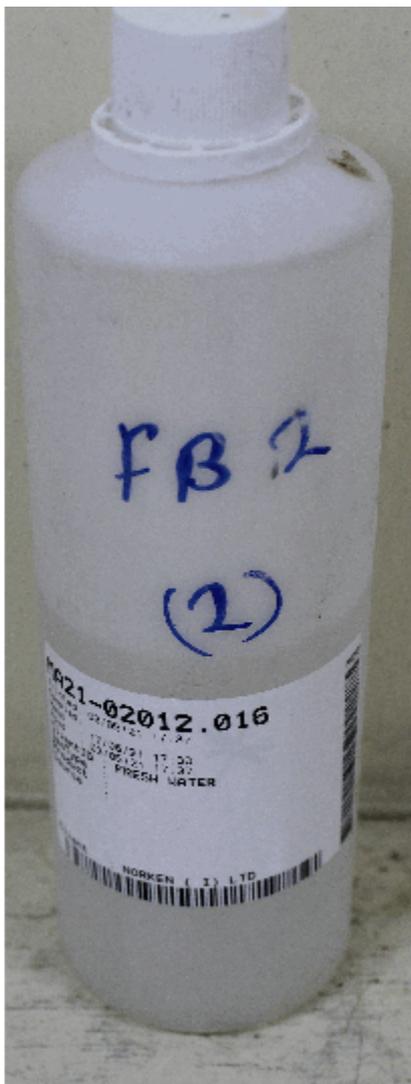
260520211638 0000129192

Page 63 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02012.016

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Nancy Ochieng-Chemist

Technical Signatory

Florah Mshimba-Chemist

260520211638 0000129192

Page 64 of 64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: S159

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	25.98	mg/l
Phosphate as PO4	APHA-4500-P D	<0.02	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210938 0000126868

Page 1 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210940 0000126868

Page 2 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: S 119

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	2.91	mg/l
Phosphate as PO4	APHA-4500-P D	0.39	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210940 0000126868

Page 3 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210940 0000126868

Page 4 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703.
e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00900.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: S 141

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	39.36	mg/l
Phosphate as PO4	APHA-4500-P D	6.81	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

080320210940 0000126868

Page 5 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210940 0000126868

Page 6 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00900.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 03/03/2021
 ANALYSIS COMPLETED: 08/03/2021
 SGS ORDERNO: 5000215
 MARKS: S 171
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	<0.1	mg/l
Phosphate as PO4	APHA-4500-P D	0.21	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

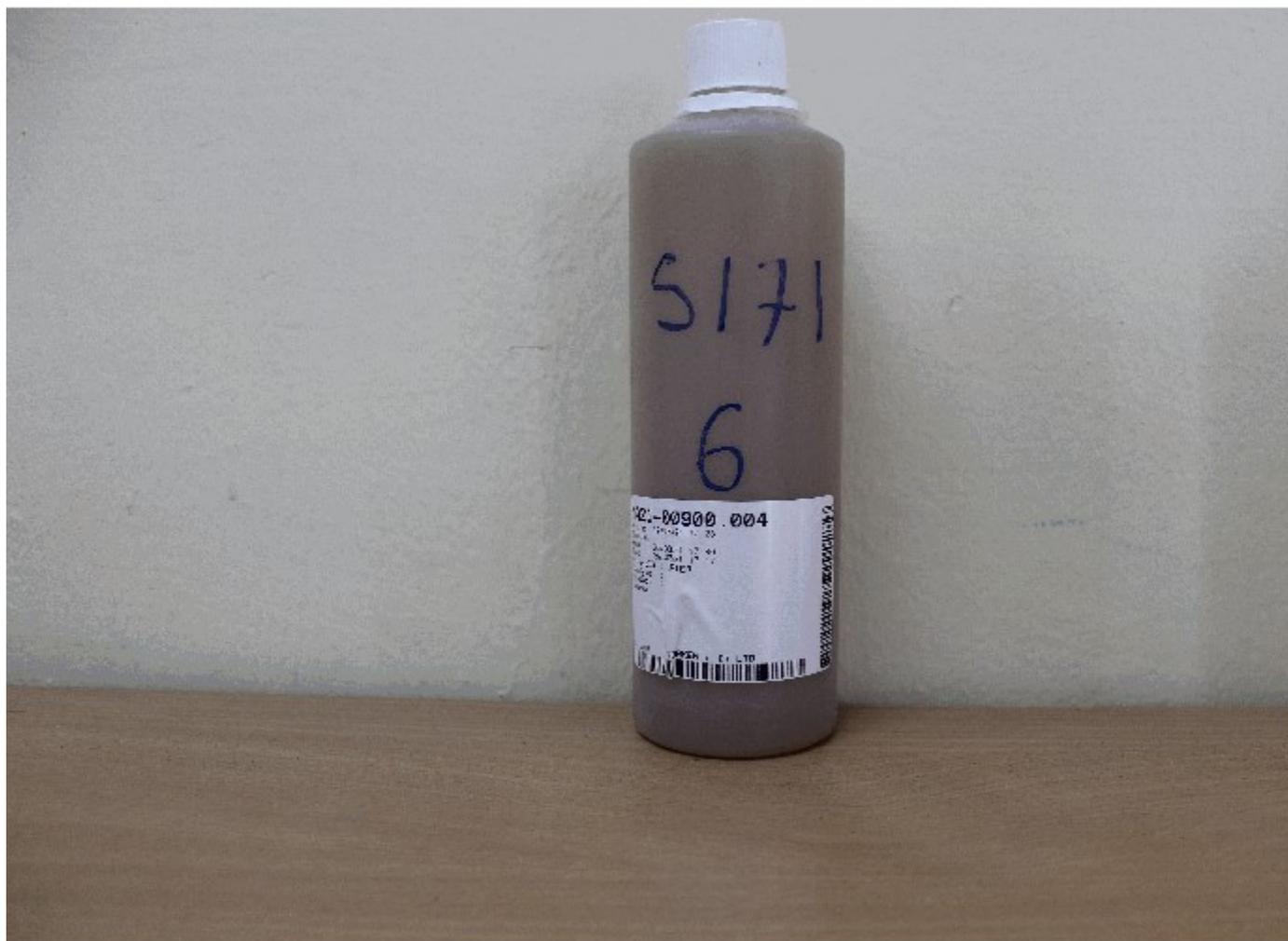
080320210940 0000126868

Page 7 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210940 0000126868

Page 8 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703.
e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.005 Re-issue: 1

**** This Amended Report cancels and supersedes the Report No.MA21-00900.005 dated 05032021 issued by SGS ****

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

REISSUE COMMENT: AMMENDMENT OF MARKS

MARKS: CONDITION OF SAMPLE:DELIVERED IN A PLASTIC BOTTLE

S 147

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	1.90	mg/l
Phosphate as PO4	APHA-4500-P D	<0.02	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

250320211549 0000127524

Page 1 of 2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.005

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

250320211549 0000127524

Page 2 of 2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00900.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 03/03/2021
 ANALYSIS COMPLETED: 08/03/2021
 SGS ORDERNO: 5000215
 MARKS: S 138
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	40.07	mg/l
Phosphate as PO4	APHA-4500-P D	5.70	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

080320210944 0000126869

Page 1 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210946 0000126869

Page 2 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: S 106

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	3.60	mg/l
Phosphate as PO4	APHA-4500-P D	0.15	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210946 0000126869

Page 3 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00900.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210946 0000126869

Page 4 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

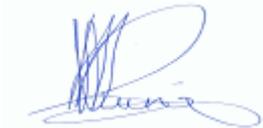
MARKS: S 100

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	3.50	mg/l
Phosphate as PO4	APHA-4500-P D	0.45	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210946 0000126869

Page 5 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00900.008

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210946 0000126869

Page 6 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

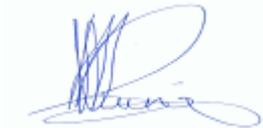
MARKS: S 153

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	1.59	mg/l
Phosphate as PO4	APHA-4500-P D	0.12	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

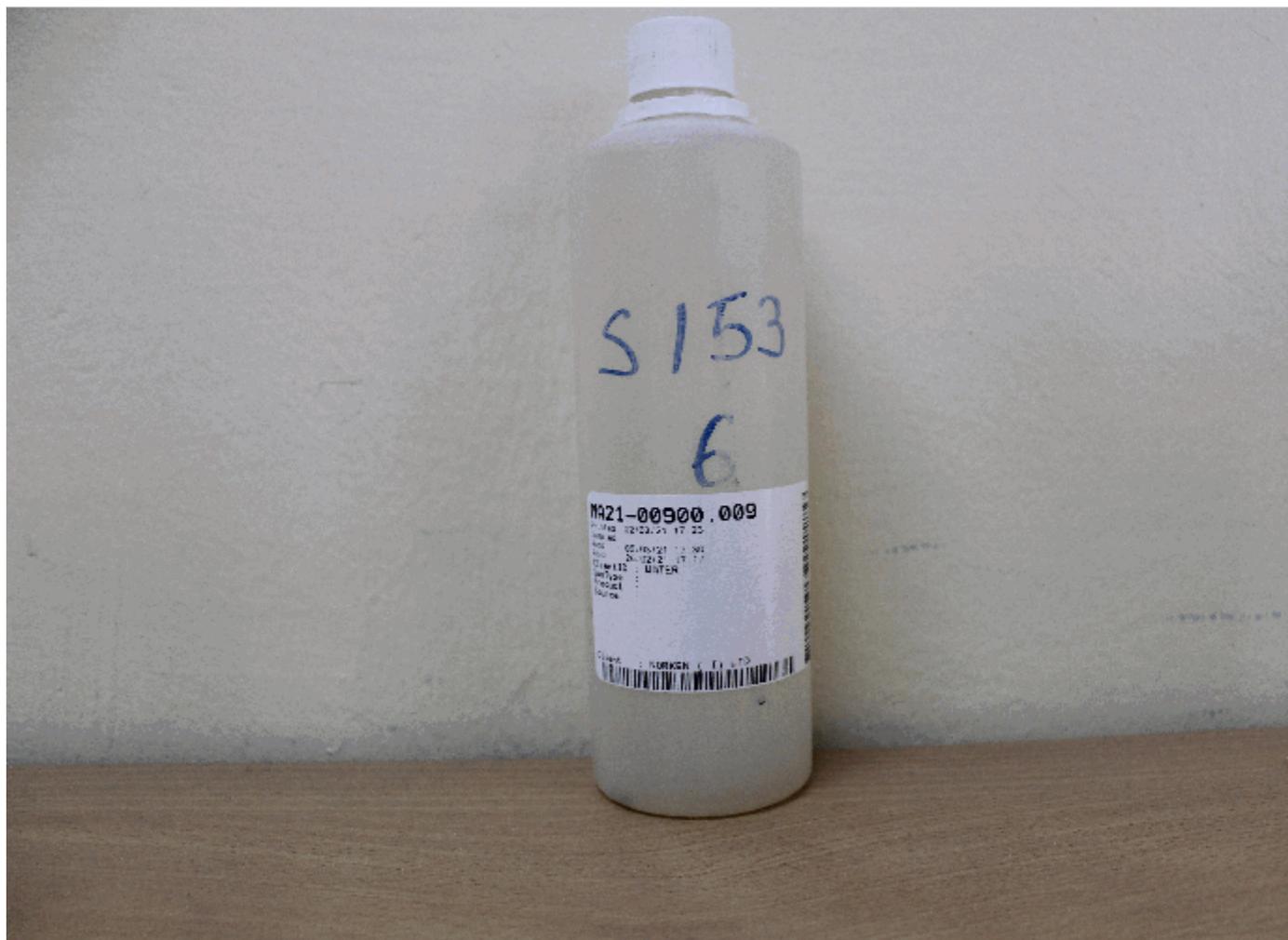
080320210946 0000126869

Page 7 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210946 0000126869

Page 8 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00900.010

PRODUCT DESCRIPTION: WATER

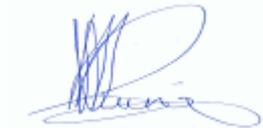
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 03/03/2021
 ANALYSIS COMPLETED: 08/03/2021
 SGS ORDERNO: 5000215
 MARKS: S 163
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	<0.1	mg/l
Phosphate as PO4	APHA-4500-P D	<0.02	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

080320210946 0000126869

Page 9 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.010

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210946 0000126869

Page 10 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

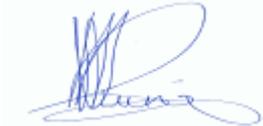
MARKS: S 129

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO ₃	APHA-4500-NO ₃ B	0.80	mg/l
Phosphate as PO ₄	APHA-4500-P D	0.12	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210948 0000126870

Page 1 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00900.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210950 0000126870

Page 2 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

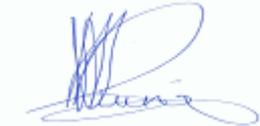
SGS ORDERNO: 5000215

MARKS: S 112
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	2.60	mg/l
Phosphate as PO4	APHA-4500-P D	0.36	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210950 0000126870

Page 3 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210950 0000126870

Page 4 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

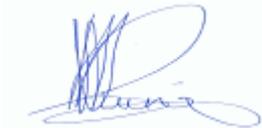
MARKS: S 85

6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	19.92	mg/l
Phosphate as PO4	APHA-4500-P D	0.45	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210950 0000126870

Page 5 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210950 0000126870

Page 6 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00900.014

PRODUCT DESCRIPTION: WATER

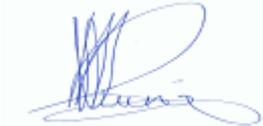
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 26/02/2021
 ANALYSIS STARTED: 03/03/2021
 ANALYSIS COMPLETED: 08/03/2021
 SGS ORDERNO: 5000215
 MARKS: S 21
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	7.79	mg/l
Phosphate as PO4	APHA-4500-P D	<0.02	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

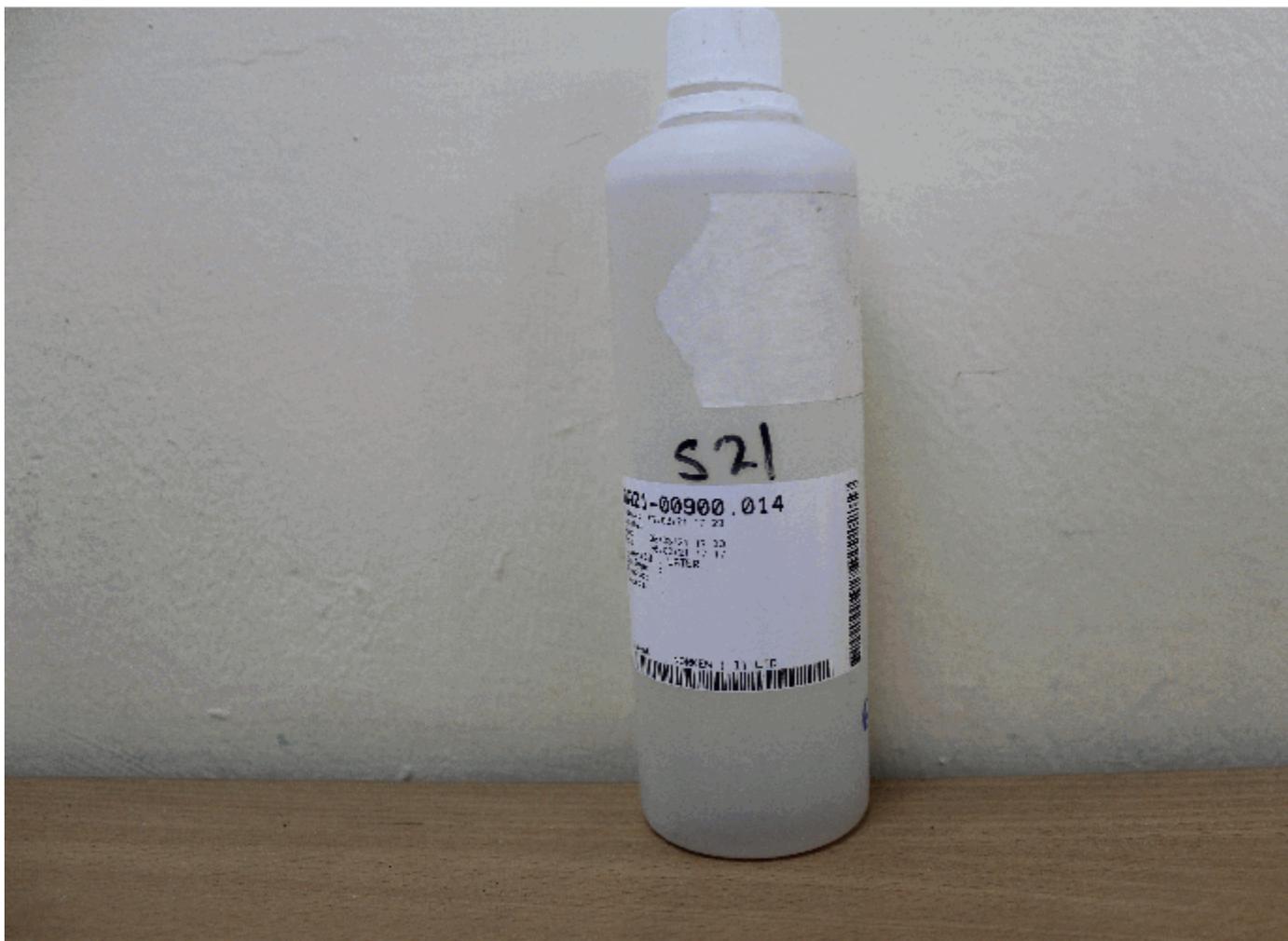
080320210950 0000126870

Page 7 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210950 0000126870

Page 8 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00900.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 08/03/2021

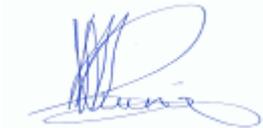
SGS ORDERNO: 5000215

MARKS: S 40
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	0.88	mg/l
Phosphate as PO4	APHA-4500-P D	0.03	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320210950 0000126870

Page 9 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00900.015

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320210950 0000126870

Page 10 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

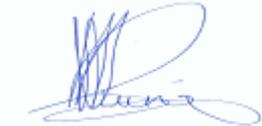
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S123
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	0.58	mg/l
Phosphate as PO4	APHA-4500-P D	0.24	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

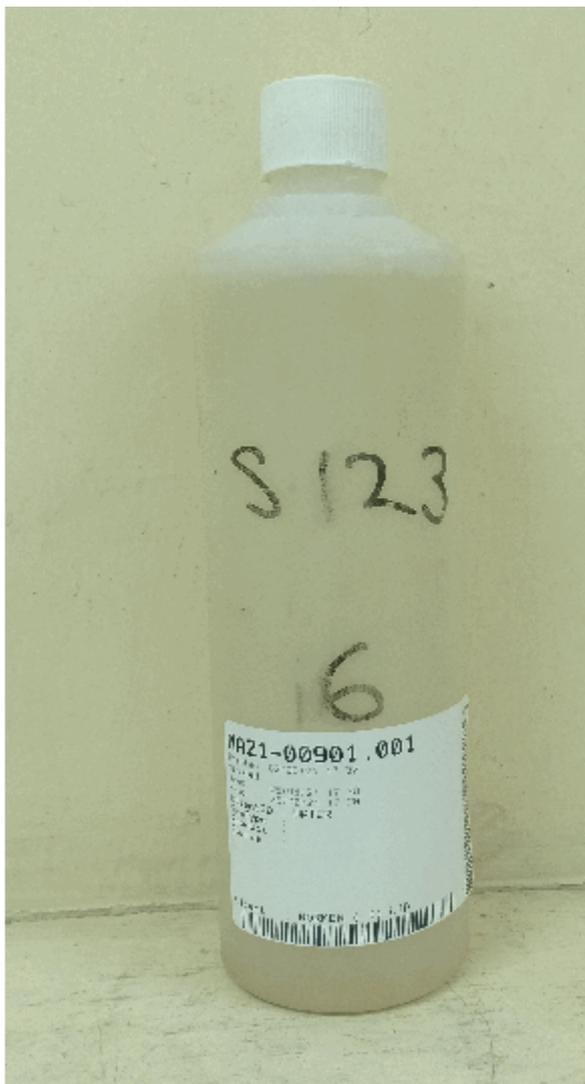
080320211641 0000126881

Page 1 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00901.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211643 0000126881

Page 2 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

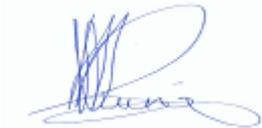
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S28
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO ₃	APHA-4500-NO3 B	11.95	mg/l
Phosphate as PO ₄	APHA-4500-P D	0.03	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211643 0000126881

Page 3 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

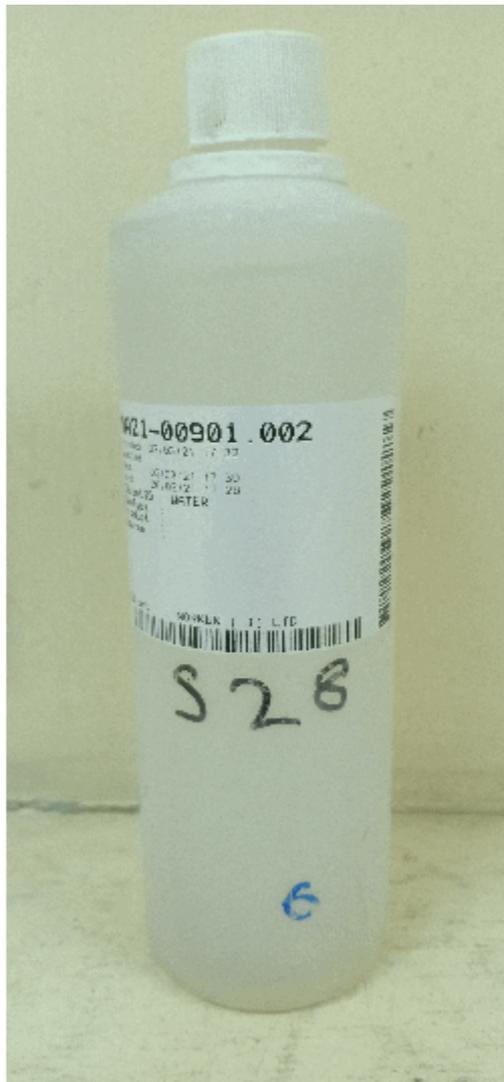
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211643 0000126881

Page 4 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00901.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

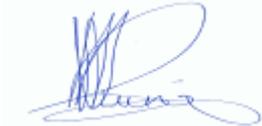
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S16
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	8.49	mg/l
Phosphate as PO4	APHA-4500-P D	0.06	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

080320211643 0000126881

Page 5 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00901.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211643 0000126881

Page 6 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00901.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

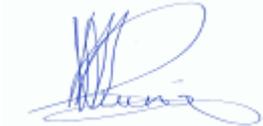
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S9
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	0.04	mg/l
Phosphate as PO4	APHA-4500-P D	0.24	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

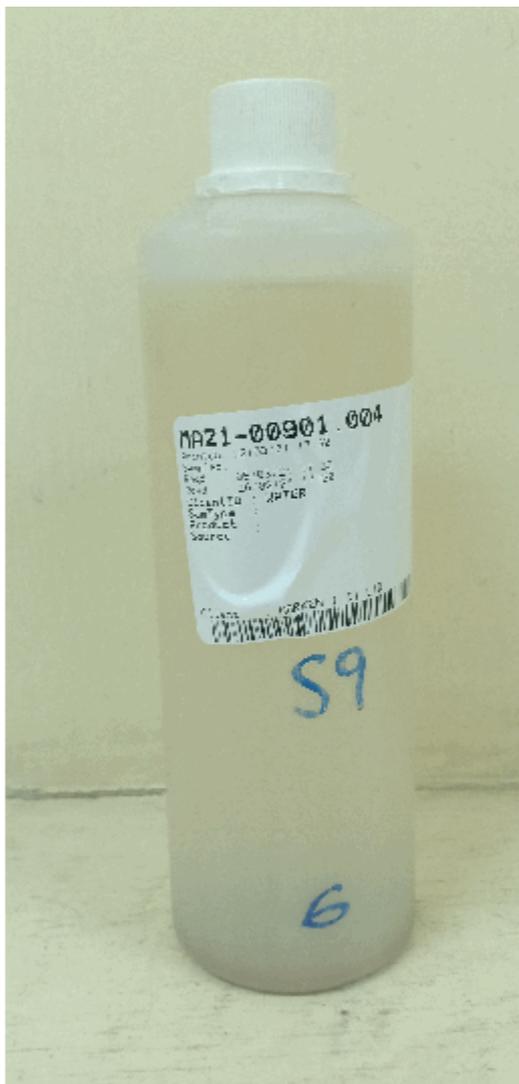
080320211643 0000126881

Page 7 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00901.004

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Ednah Wambui-Chemist

080320211643 0000126881

Page 8 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S45
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	<0.1	mg/l
Phosphate as PO4	APHA-4500-P D	0.09	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

080320211643 0000126881

Page 9 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

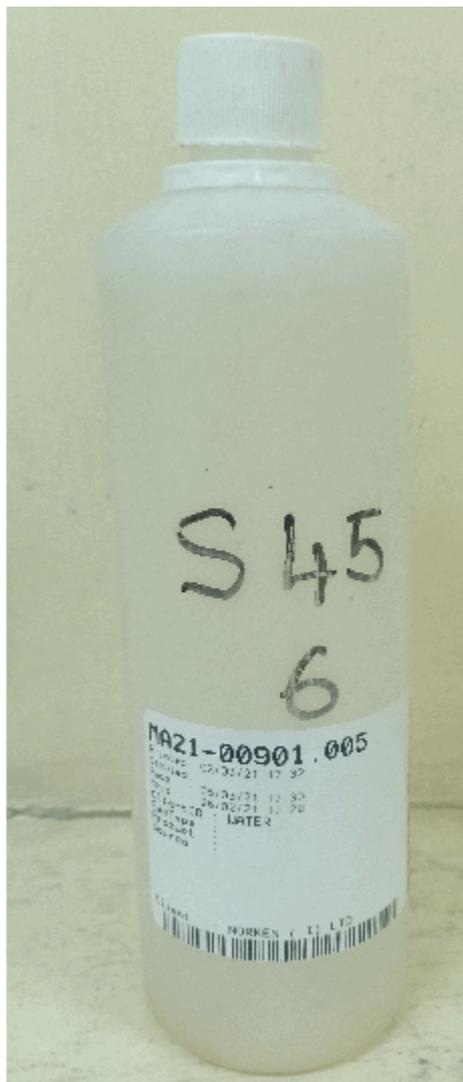
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.005

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211643 0000126881

Page 10 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S51
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO ₃	APHA-4500-NO3 B	<0.1	mg/l
Phosphate as PO ₄	APHA-4500-P D	0.06	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211646 0000126882

Page 1 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

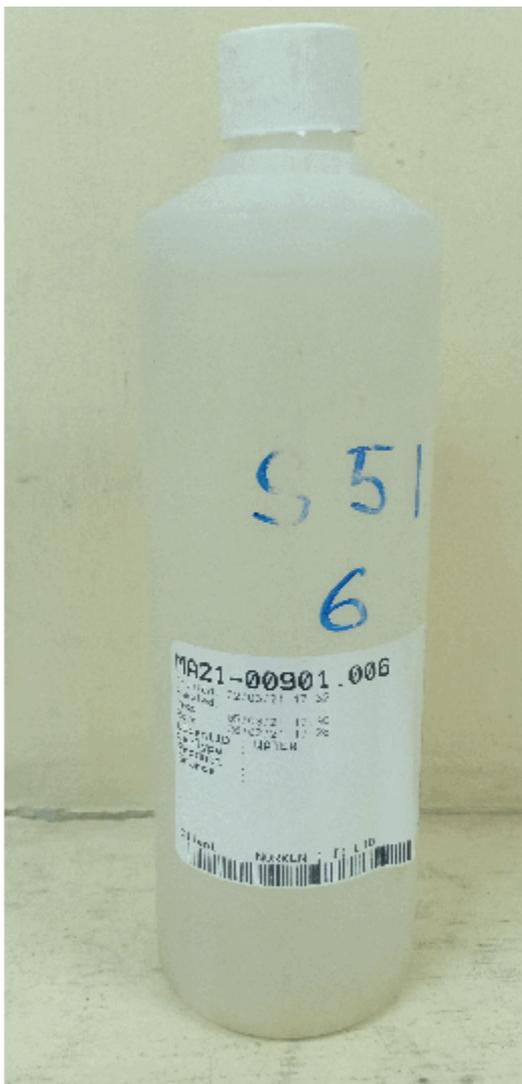
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211648 0000126882

Page 2 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00901.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

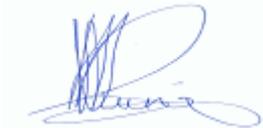
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S93
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	21.16	mg/l
Phosphate as PO4	APHA-4500-P D	0.42	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

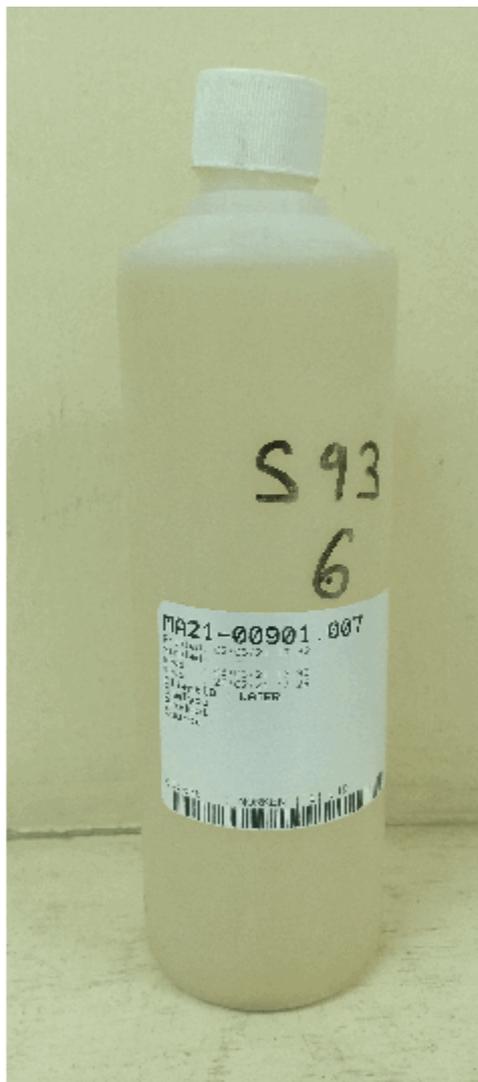
080320211648 0000126882

Page 3 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00901.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211648 0000126882

Page 4 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

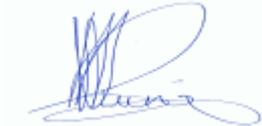
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S76
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	12.07	mg/l
Phosphate as PO4	APHA-4500-P D	0.12	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211648 0000126882

Page 5 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

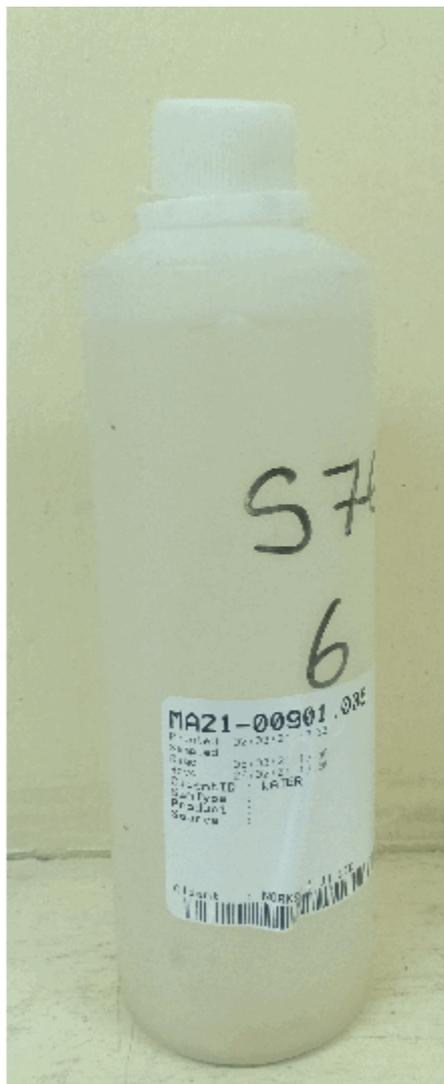
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.008

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211648 0000126882

Page 6 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

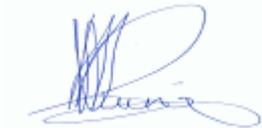
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S91
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	12.57	mg/l
Phosphate as PO4	APHA-4500-P D	0.39	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211648 0000126882

Page 7 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

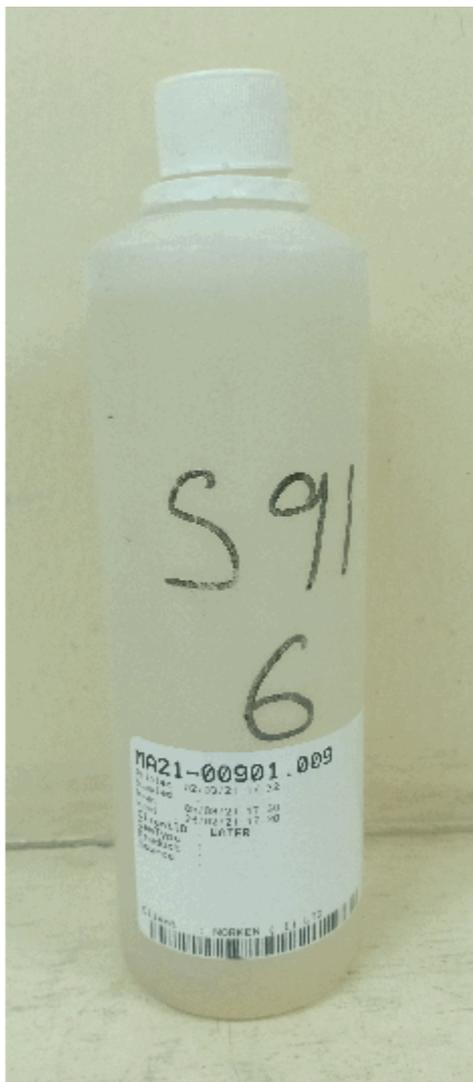
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211648 0000126882

Page 8 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

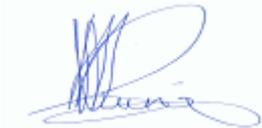
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S70
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	10.14	mg/l
Phosphate as PO4	APHA-4500-P D	0.27	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211648 0000126882

Page 9 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

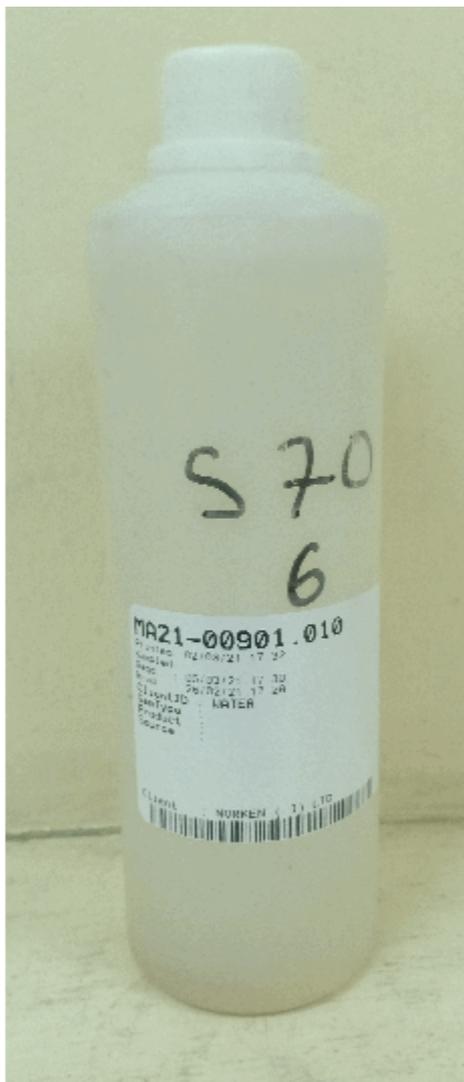
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.010

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211648 0000126882

Page 10 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S63
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	17.70	mg/l
Phosphate as PO4	APHA-4500-P D	0.03	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211651 0000126883

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

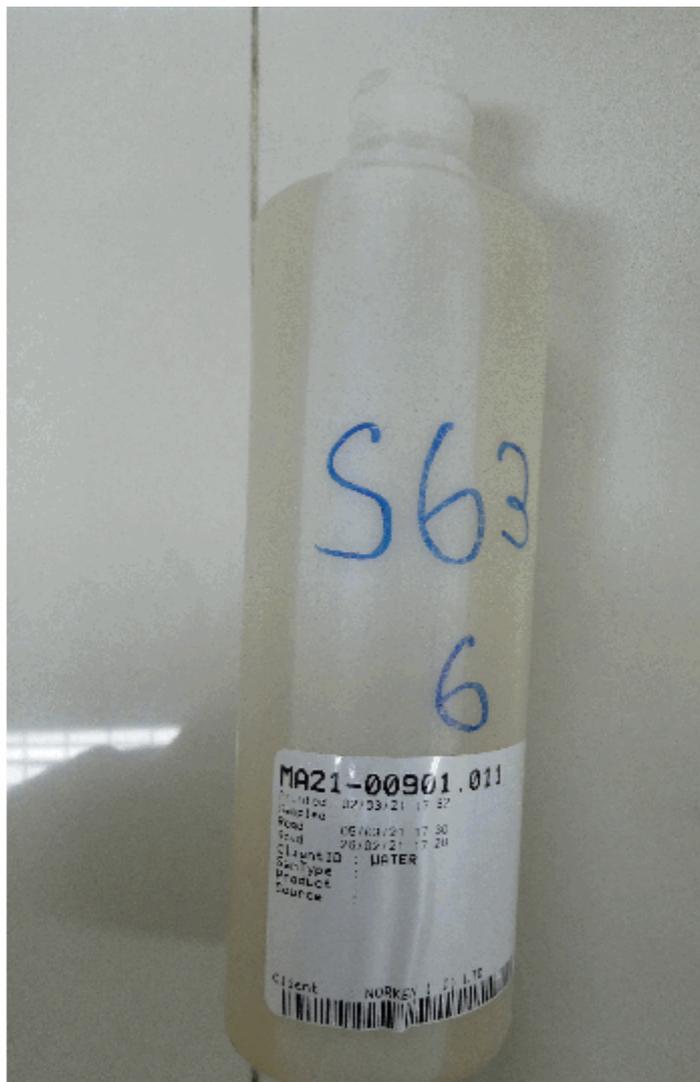
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211652 0000126883

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S33
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	3.45	mg/l
Phosphate as PO4	APHA-4500-P D	0.03	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211652 0000126883

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00901.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211652 0000126883

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

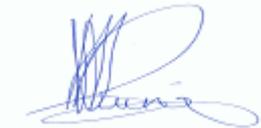
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S1
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	0.53	mg/l
Phosphate as PO4	APHA-4500-P D	0.15	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

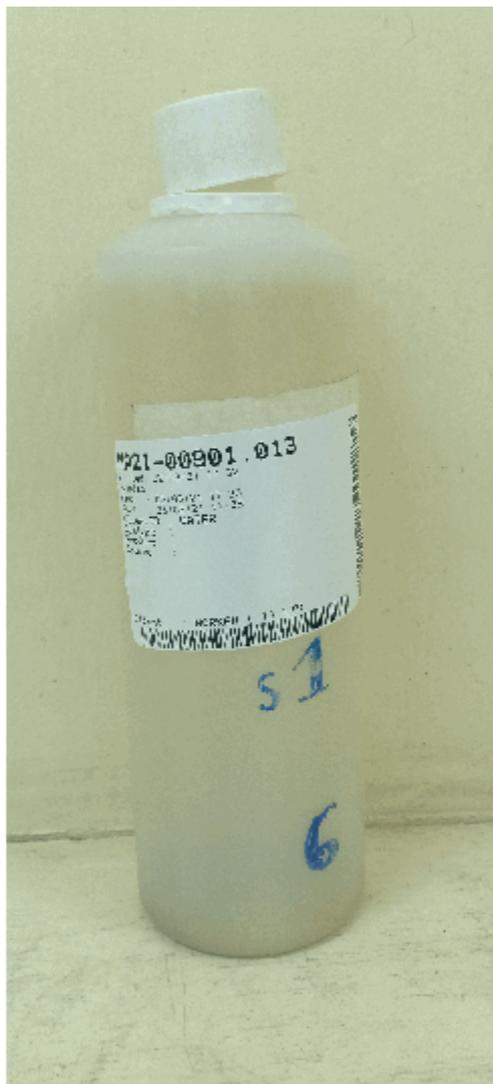
080320211652 0000126883

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00901.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211652 0000126883

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00901.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 05/03/2021

ANALYSIS COMPLETED: 08/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S57
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	16.11	mg/l
Phosphate as PO4	APHA-4500-P D	0.21	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

080320211652 0000126883

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

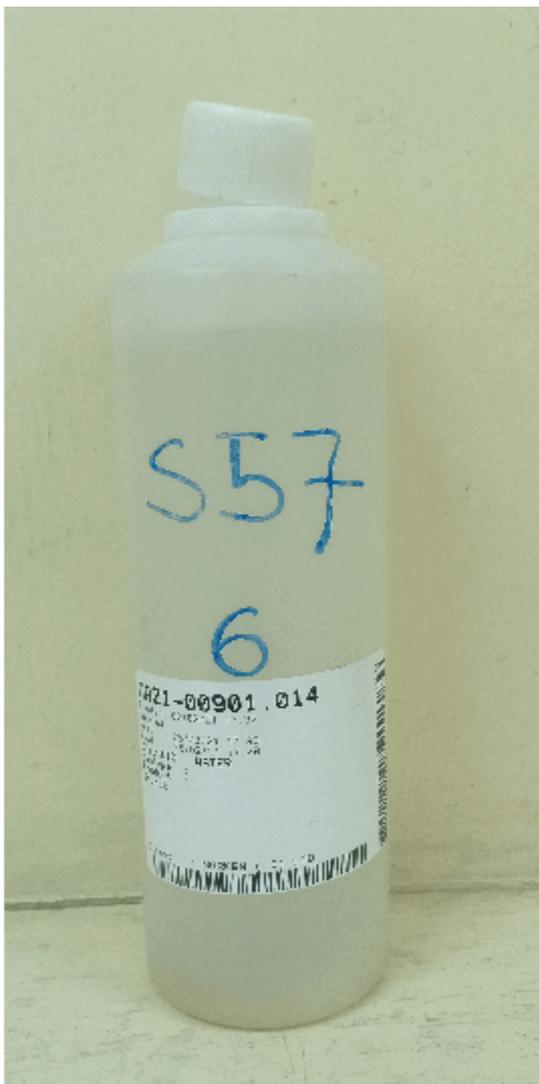
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00901.014

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

080320211652 0000126883

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.001

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6U
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO ₃	APHA-4500-NO3 B	<0.1	mg/l
Phosphate as PO ₄	APHA-4500-P D	0.06	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

170520211512 0000128914

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

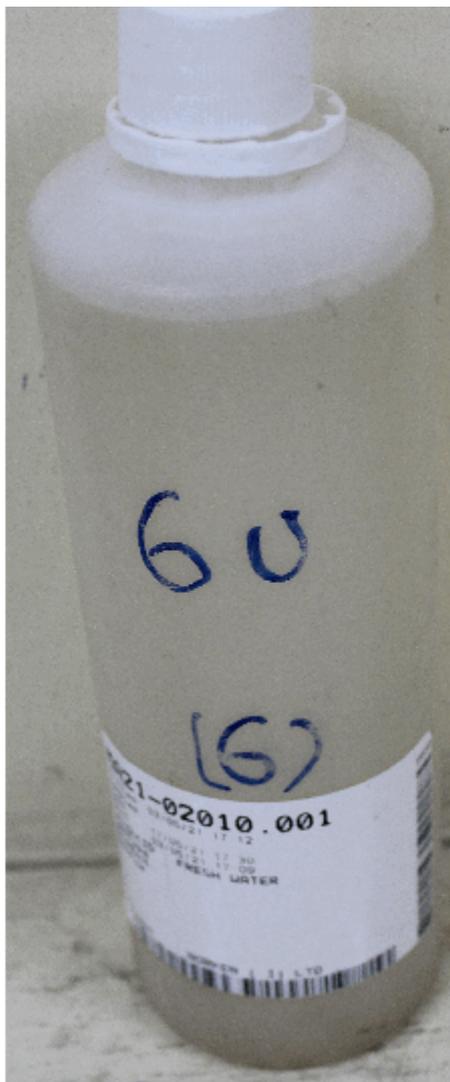
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02010.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211513 0000128914

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.002

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6D
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	6.16	mg/l
Phosphate as PO4	APHA-4500-P D	<0.02	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

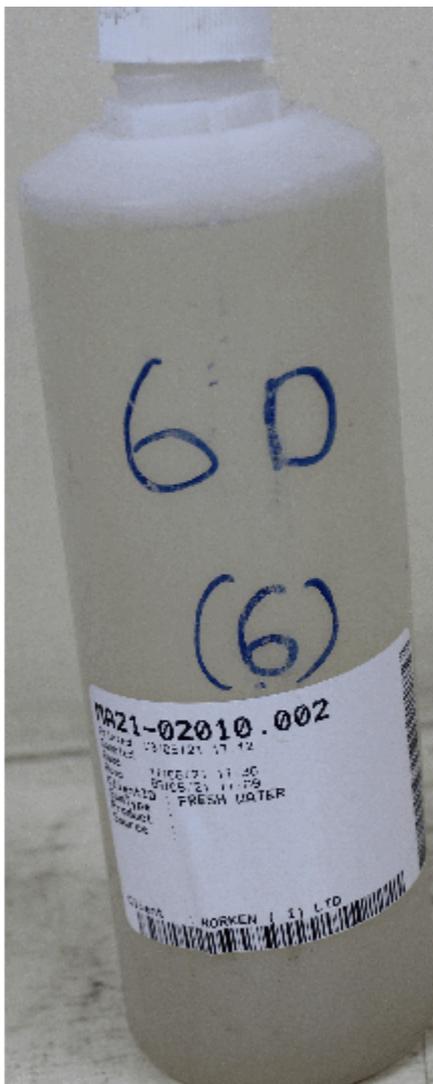
170520211513 0000128914

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.002

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

170520211513 0000128914

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.003

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
8U
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	4.25	mg/l
Phosphate as PO4	APHA-4500-P D	1.87	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

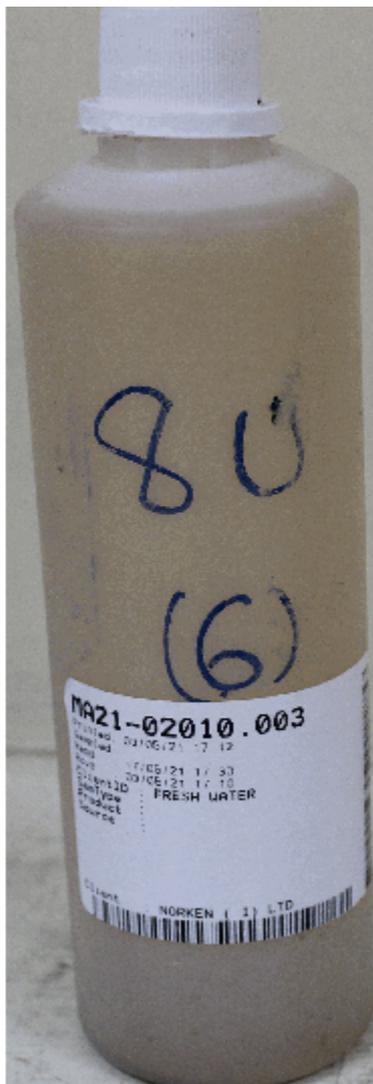
170520211513 0000128914

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.003

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

170520211513 0000128914

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.004

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
8D
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	9.26	mg/l
Phosphate as PO4	APHA-4500-P D	0.21	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

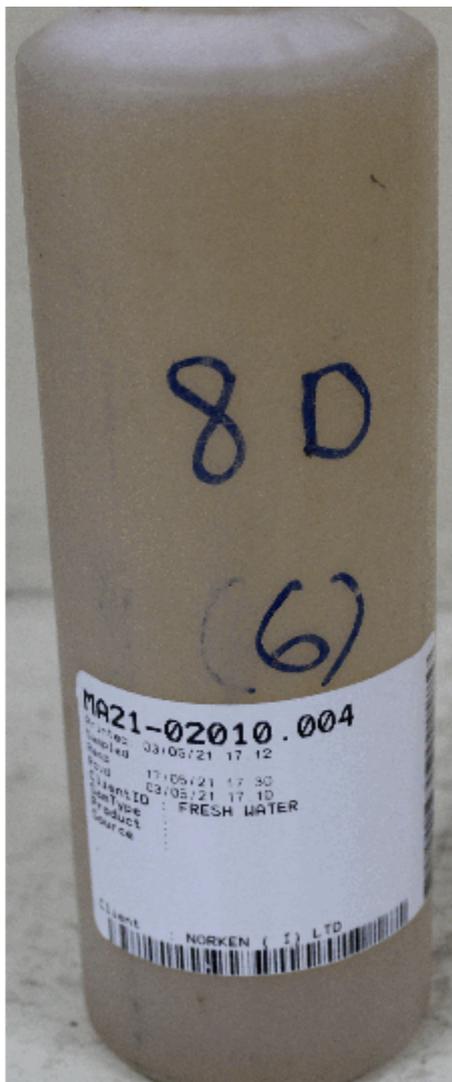
170520211513 0000128914

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.004

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211513 0000128914

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.005

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1U
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	5.93	mg/l
Phosphate as PO4	APHA-4500-P D	0.31	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

170520211516 0000128915

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

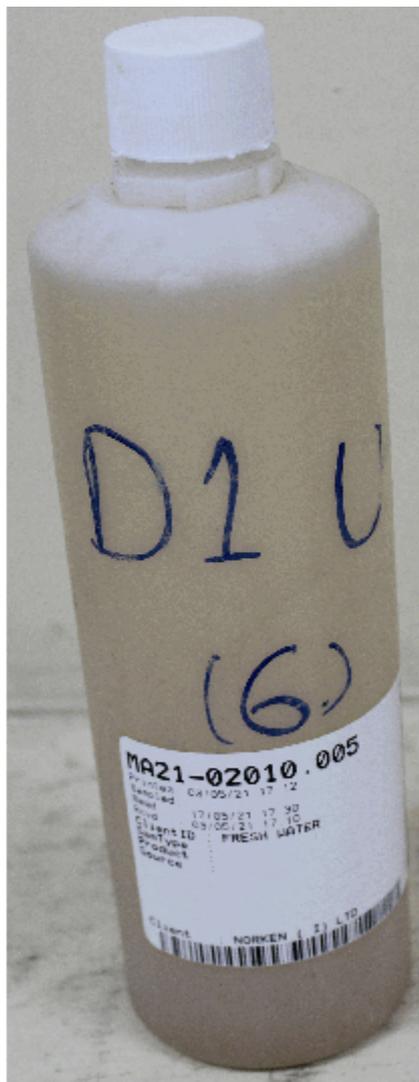
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02010.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211518 0000128915

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.006

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1D
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	4.92	mg/l
Phosphate as PO4	APHA-4500-P D	0.09	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

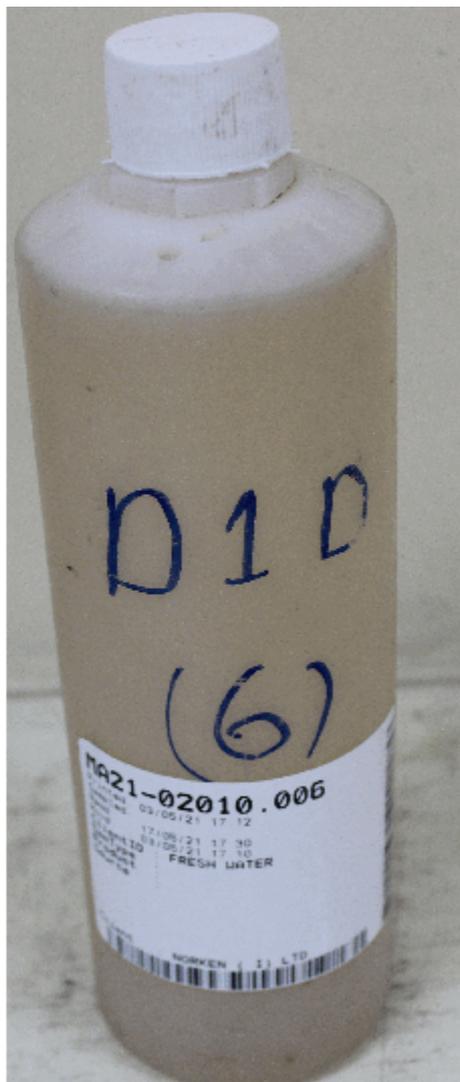
170520211518 0000128915

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211518 0000128915

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.007

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
9U
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	16.12	mg/l
Phosphate as PO4	APHA-4500-P D	0.28	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

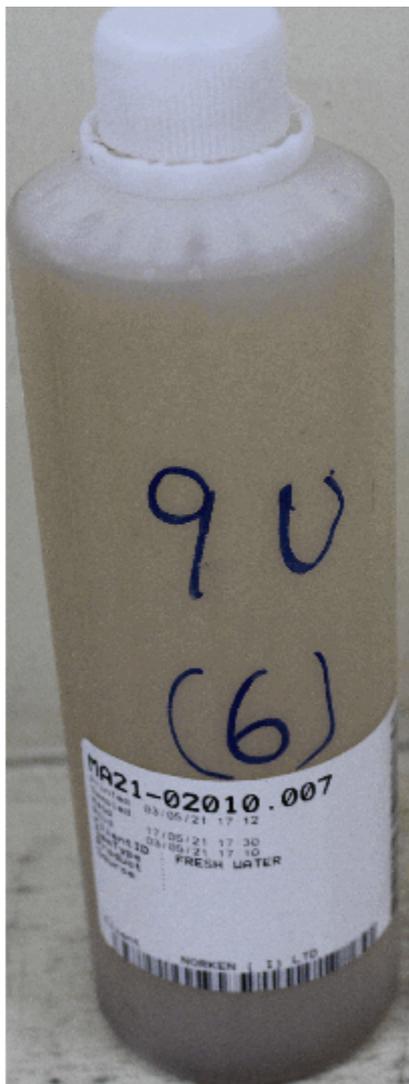
170520211518 0000128915

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211518 0000128915

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02010.008

PRODUCT DESCRIPTION: FRESH WATER

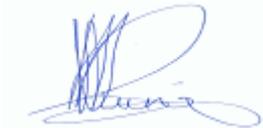
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 9D
 6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	20.37	mg/l
Phosphate as PO4	APHA-4500-P D	0.70	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

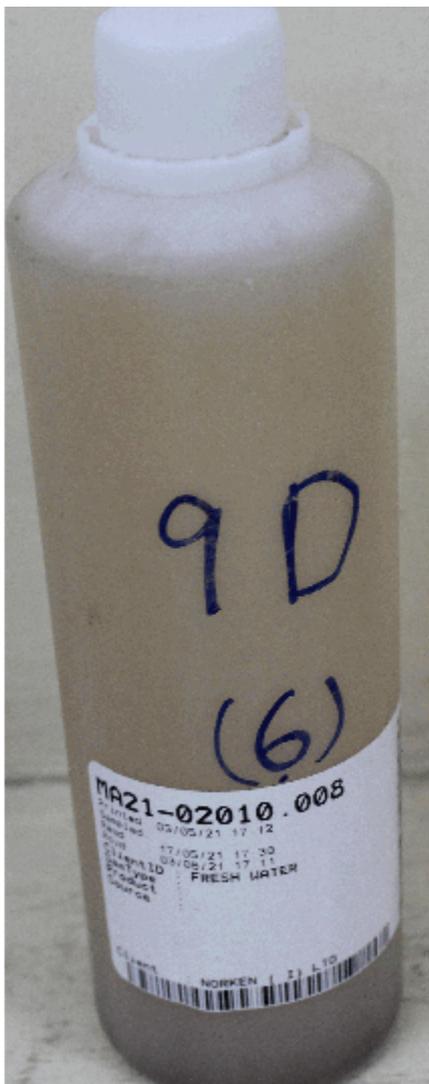
170520211518 0000128915

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.008

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211518 0000128915

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.009

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12U
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	14.39	mg/l
Phosphate as PO4	APHA-4500-P D	0.18	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

170520211519 0000128916

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

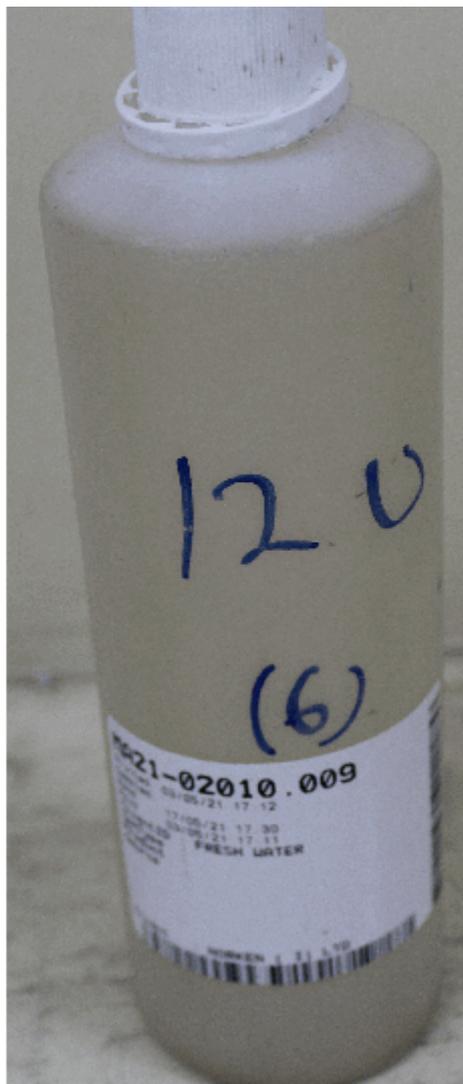
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02010.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211520 0000128916

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.010

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12D
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	9.39	mg/l
Phosphate as PO4	APHA-4500-P D	0.09	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

170520211520 0000128916

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

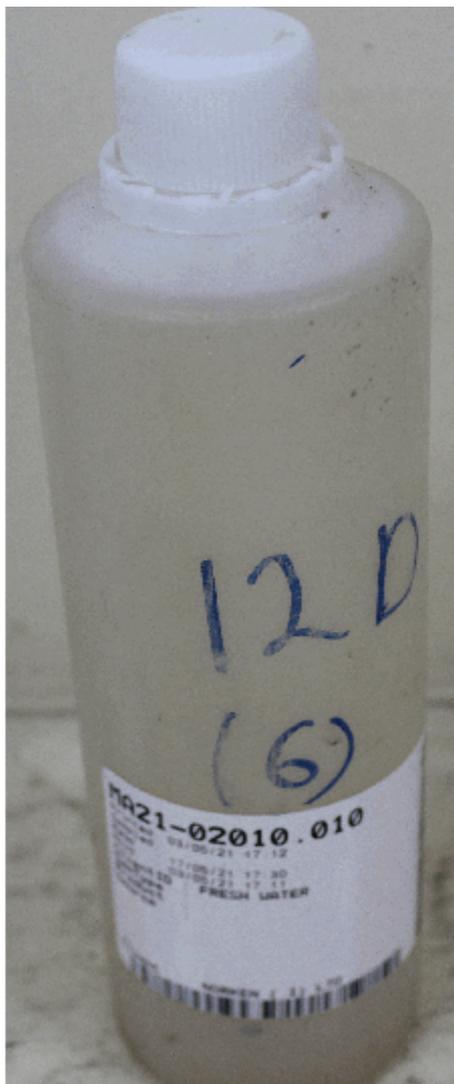
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02010.010

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

170520211520 0000128916

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.011

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13U
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	<0.1	mg/l
Phosphate as PO4	APHA-4500-P D	0.06	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

170520211520 0000128916

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

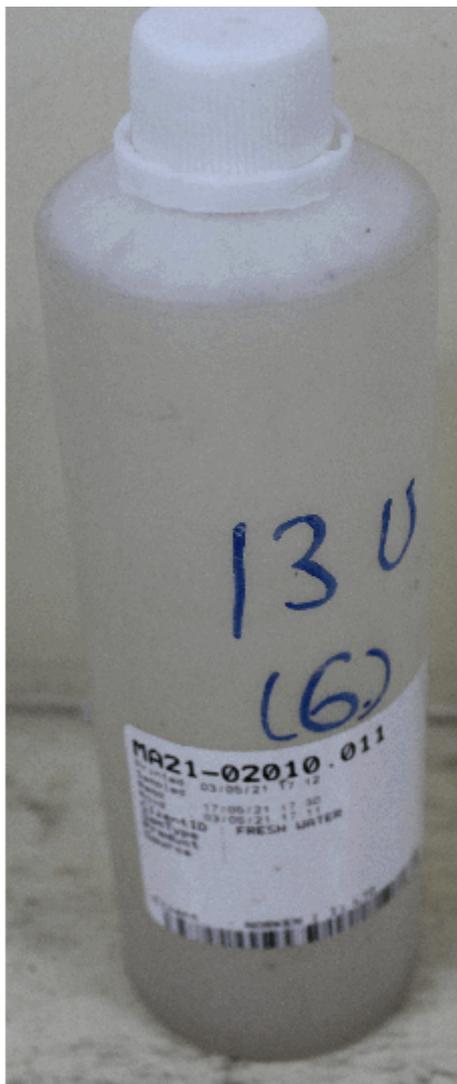
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02010.011

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

170520211520 0000128916

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.012

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13D
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO ₃	APHA-4500-NO3 B	0.27	mg/l
Phosphate as PO ₄	APHA-4500-P D	<0.02	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

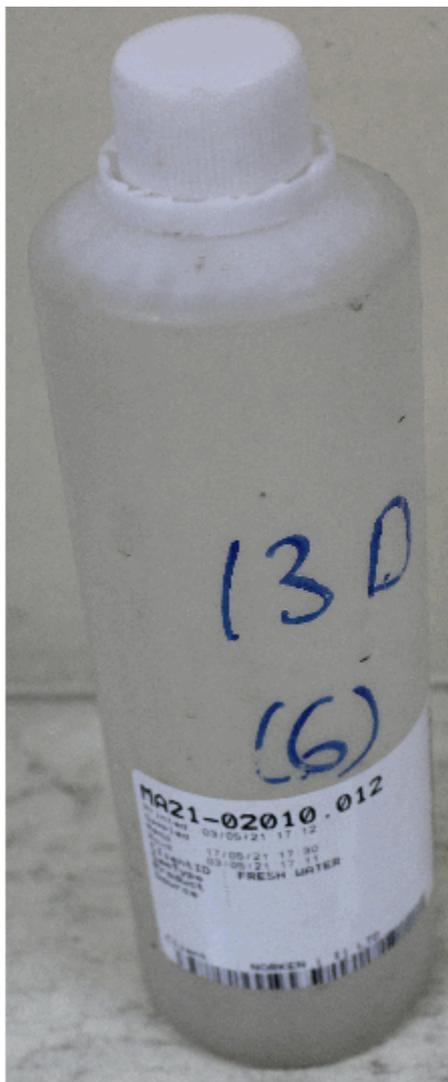
170520211520 0000128916

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.012

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211520 0000128916

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.013

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
14U
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO ₃	APHA-4500-NO3 B	0.71	mg/l
Phosphate as PO ₄	APHA-4500-P D	<0.02	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

170520211523 0000128917

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

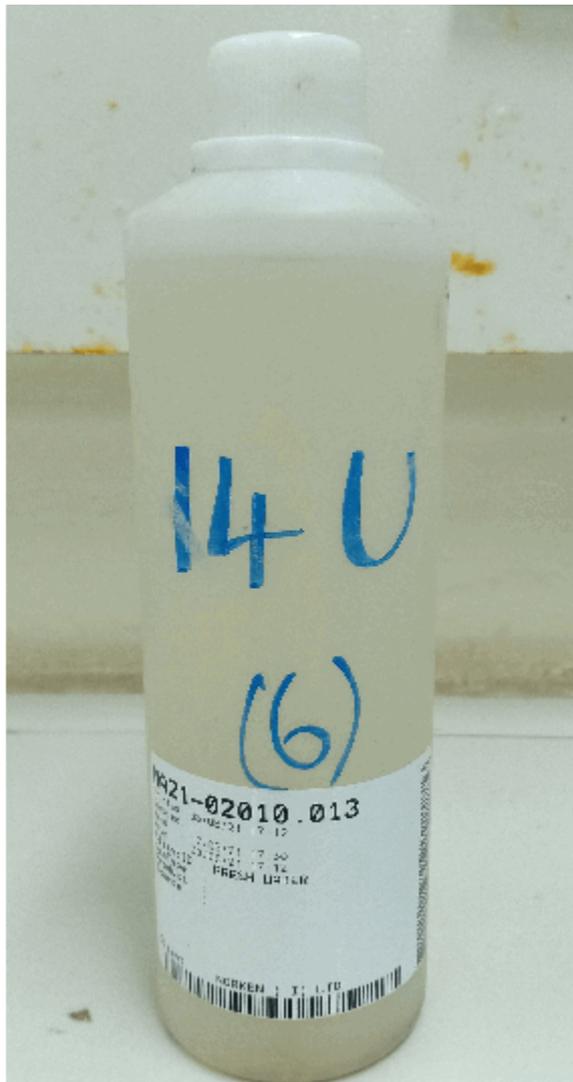
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02010.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211525 0000128917

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.014

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
14D
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO ₃	APHA-4500-NO3 B	0.93	mg/l
Phosphate as PO ₄	APHA-4500-P D	<0.02	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

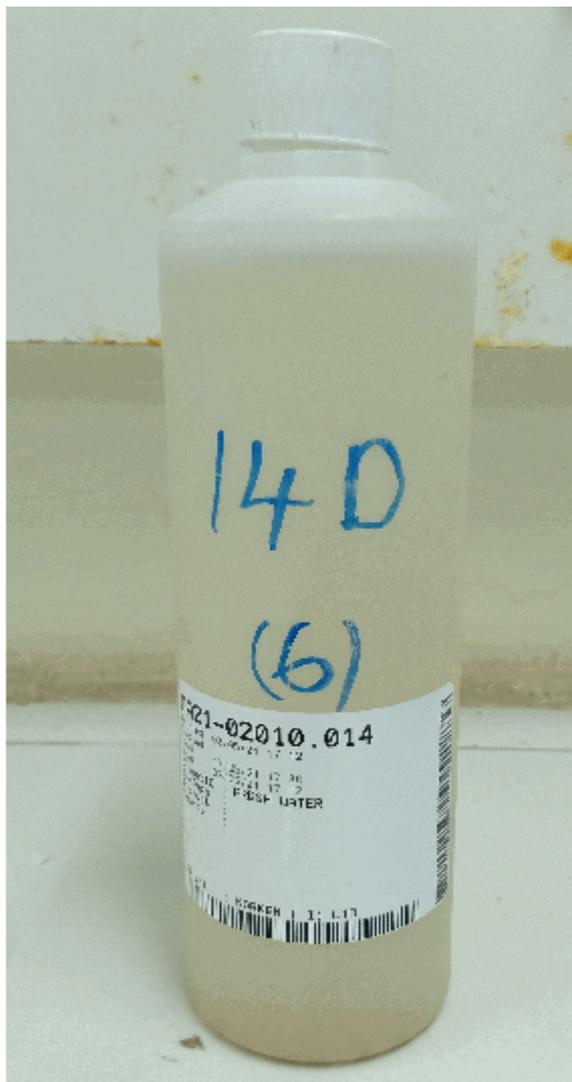
170520211525 0000128917

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211525 0000128917

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.015

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB1
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	1.46	mg/l
Phosphate as PO4	APHA-4500-P D	0.15	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

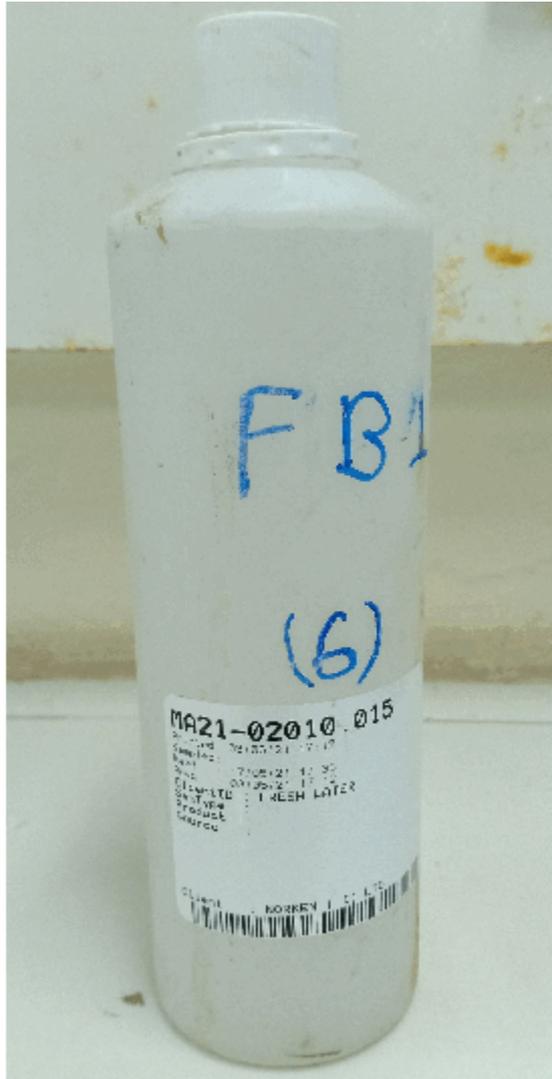
170520211525 0000128917

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.015

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

170520211525 0000128917

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02010.016

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB2
6

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Nitrate as NO3	APHA-4500-NO3 B	0.18	mg/l
Phosphate as PO4	APHA-4500-P D	0.09	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

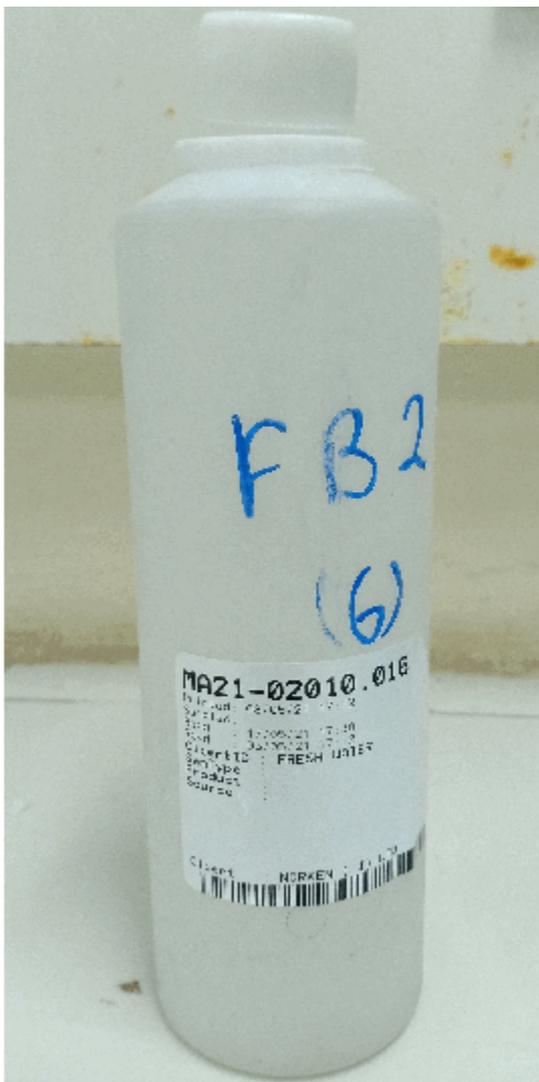
170520211525 0000128917

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02010.016

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

170520211525 0000128917

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
15(a)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

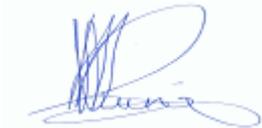
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.05	mg/l
S - Chloride	DIN EN ISO 10304-1	7.20	mg/l
Aluminium as Al	APHA 3120 B	0.24	mg/l
Calcium as Ca	APHA 3120 B	6.22	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.49	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	11.14	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

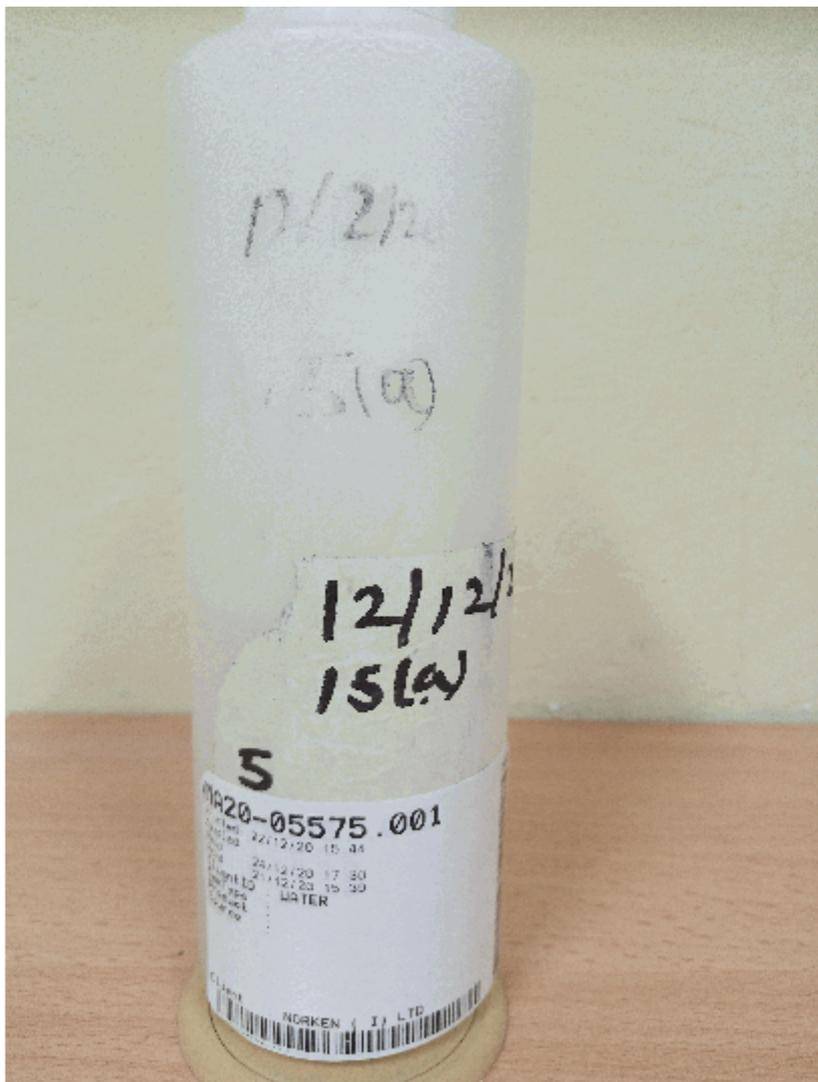
080120211152 0000125461

Page 1 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 2 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
15(b)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

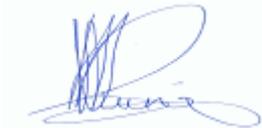
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.05	mg/l
S - Chloride	DIN EN ISO 10304-1	5.60	mg/l
Aluminium as Al	APHA 3120 B	0.29	mg/l
Calcium as Ca	APHA 3120 B	6.24	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.96	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	11.26	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

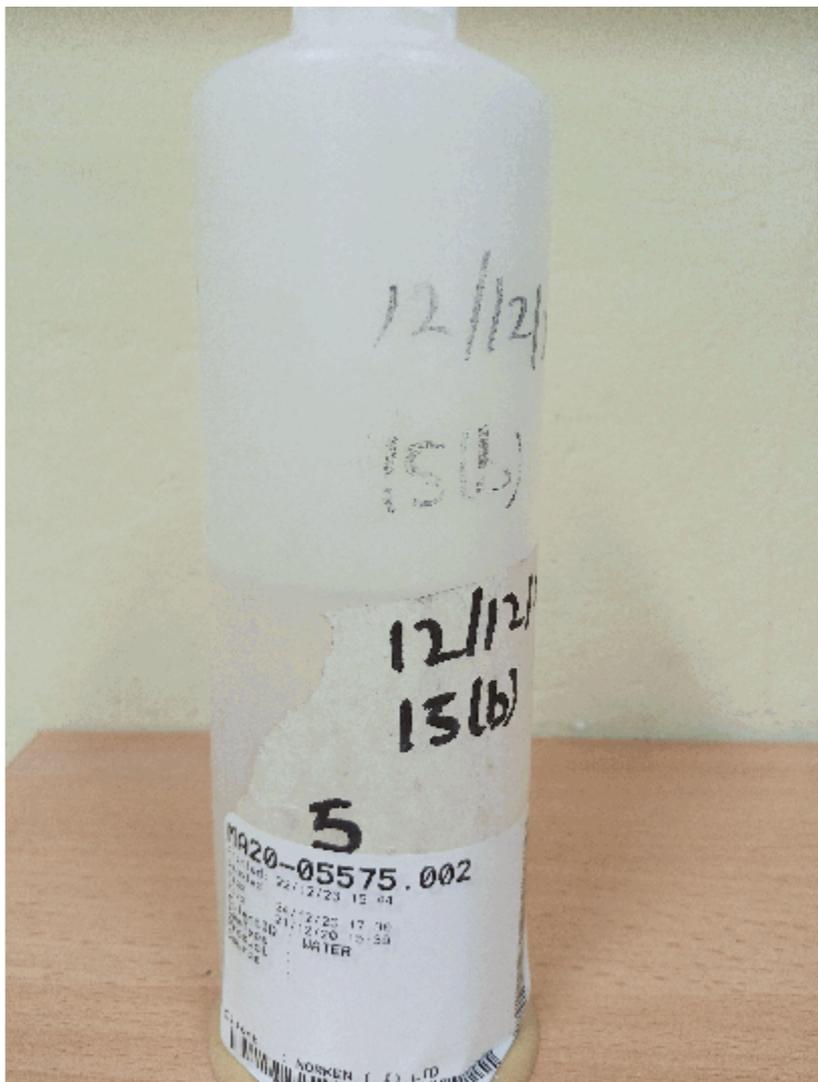
080120211153 0000125461

Page 3 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 4 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.003

PRODUCT DESCRIPTION: WATER

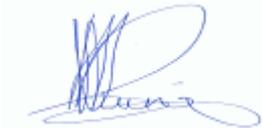
SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
10(a)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.14	mg/l
S - Chloride	DIN EN ISO 10304-1	15.70	mg/l
Aluminium as Al	APHA 3120 B	0.79	mg/l
Calcium as Ca	APHA 3120 B	8.20	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.70	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	29.54	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Pauline Viviane-Chemist

Technical Signatory



Grace Karisa-Chemist

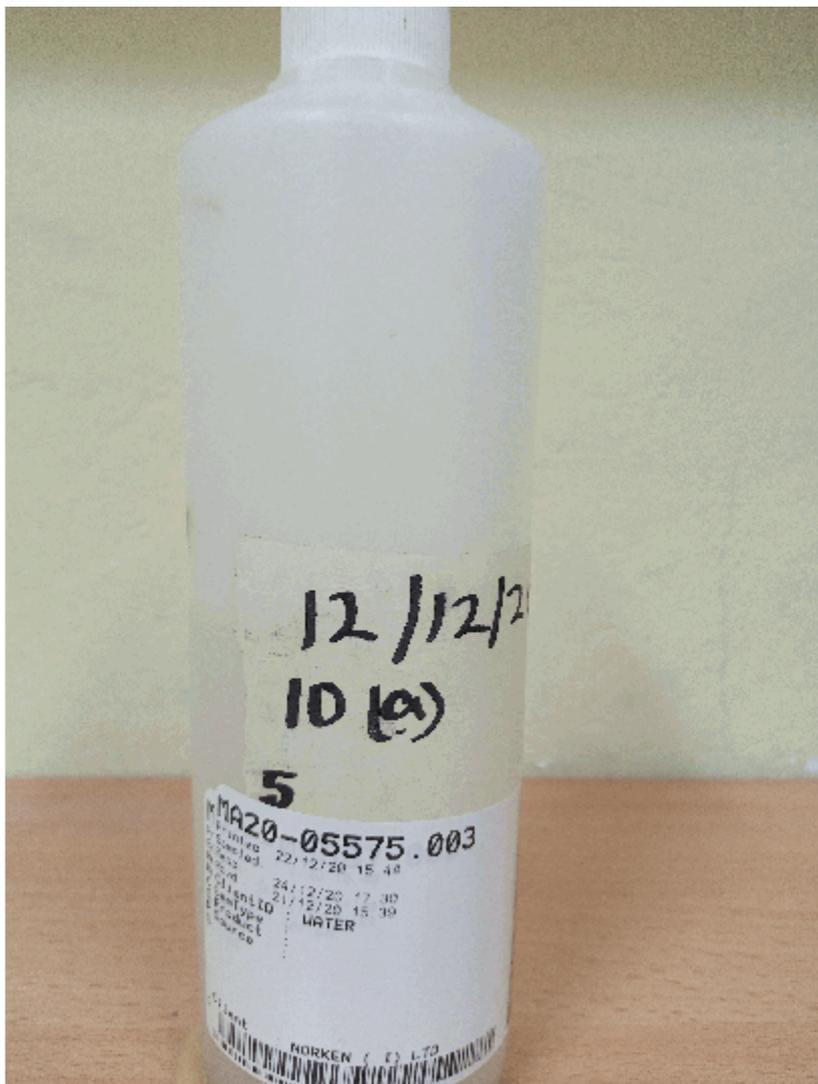
080120211153 0000125461

Page 5 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 6 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
10(b)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.14	mg/l
S - Chloride	DIN EN ISO 10304-1	15.40	mg/l
Aluminium as Al	APHA 3120 B	0.89	mg/l
Calcium as Ca	APHA 3120 B	8.26	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.89	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	29.12	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

080120211153 0000125461

Page 7 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 8 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
5(a)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

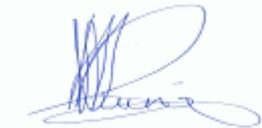
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.11	mg/l
S - Chloride	DIN EN ISO 10304-1	5.00	mg/l
Aluminium as Al	APHA 3120 B	0.48	mg/l
Calcium as Ca	APHA 3120 B	5.52	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.94	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	13.20	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

080120211153 0000125461

Page 9 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 10 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
5(b)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.11	mg/l
S - Chloride	DIN EN ISO 10304-1	9.60	mg/l
Aluminium as Al	APHA 3120 B	0.39	mg/l
Calcium as Ca	APHA 3120 B	5.63	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.76	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	13.09	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

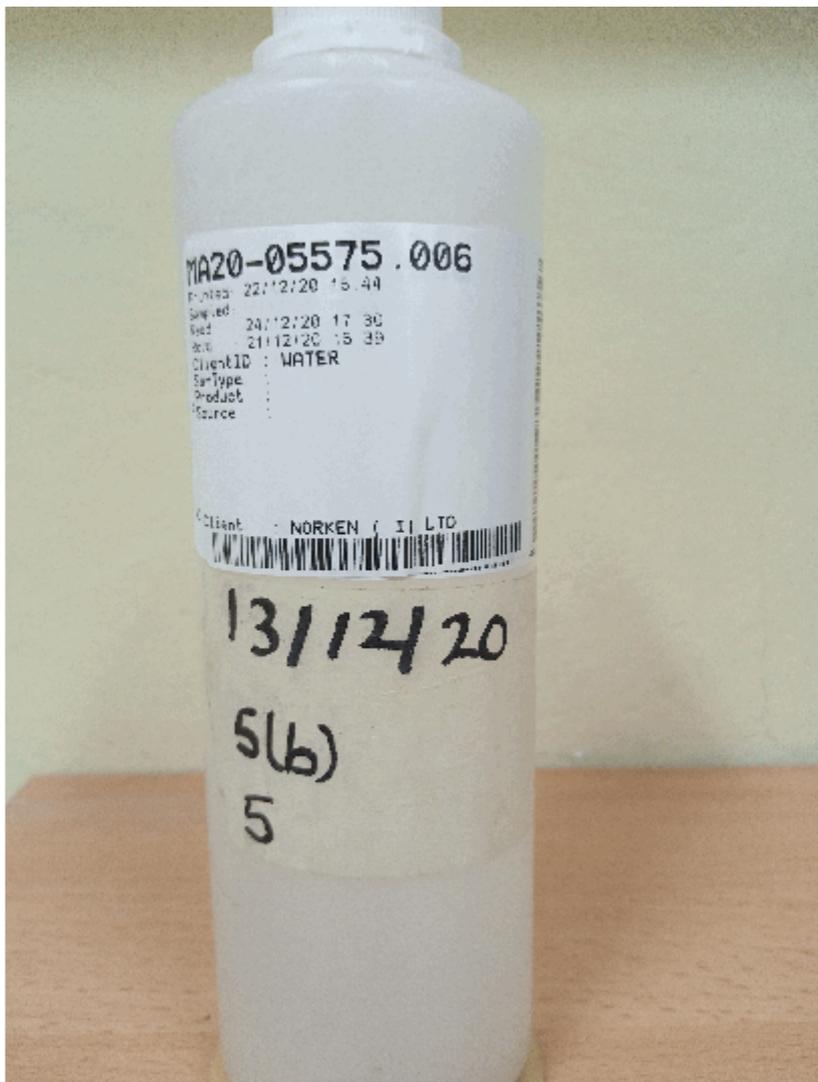
080120211153 0000125461

Page 11 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 12 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
B+(a)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

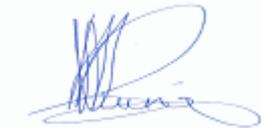
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.10	mg/l
S - Chloride	DIN EN ISO 10304-1	5.70	mg/l
Aluminium as Al	APHA 3120 B	0.90	mg/l
Calcium as Ca	APHA 3120 B	9.95	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.96	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	13.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

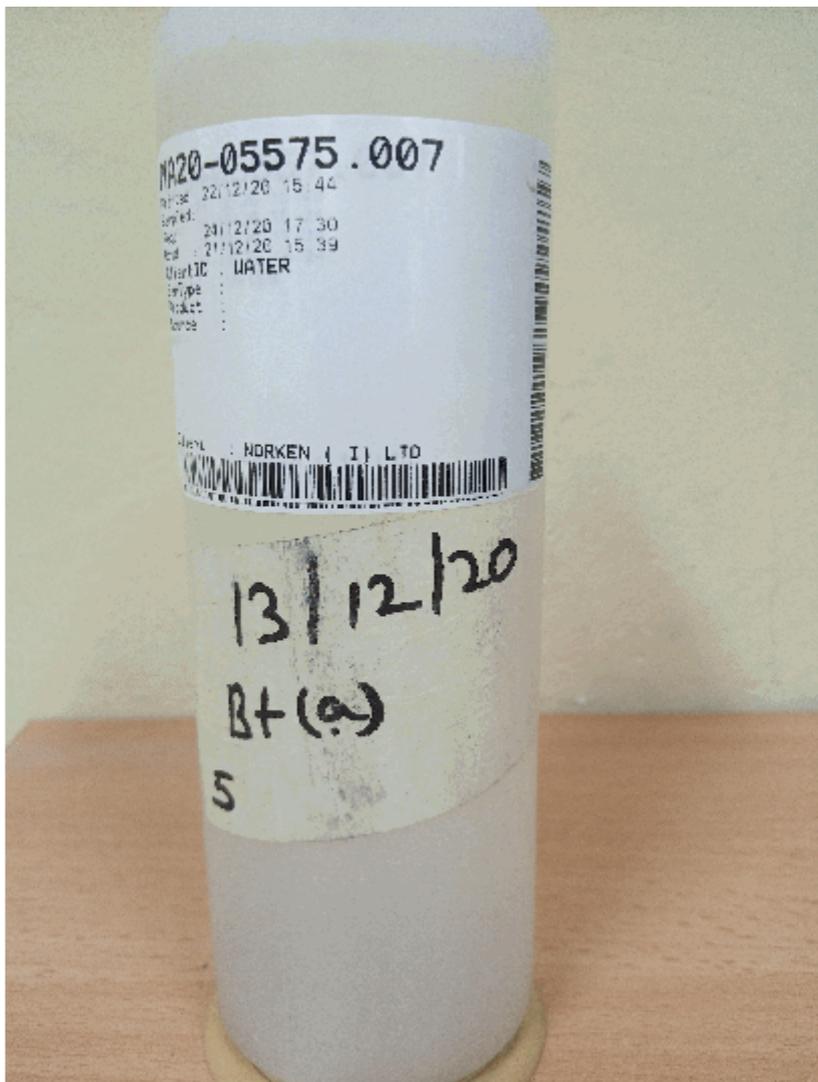
080120211153 0000125461

Page 13 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 14 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
B+(b)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

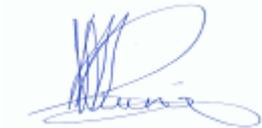
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.11	mg/l
S - Chloride	DIN EN ISO 10304-1	5.40	mg/l
Aluminium as Al	APHA 3120 B	1.11	mg/l
Calcium as Ca	APHA 3120 B	9.73	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.15	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	12.68	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

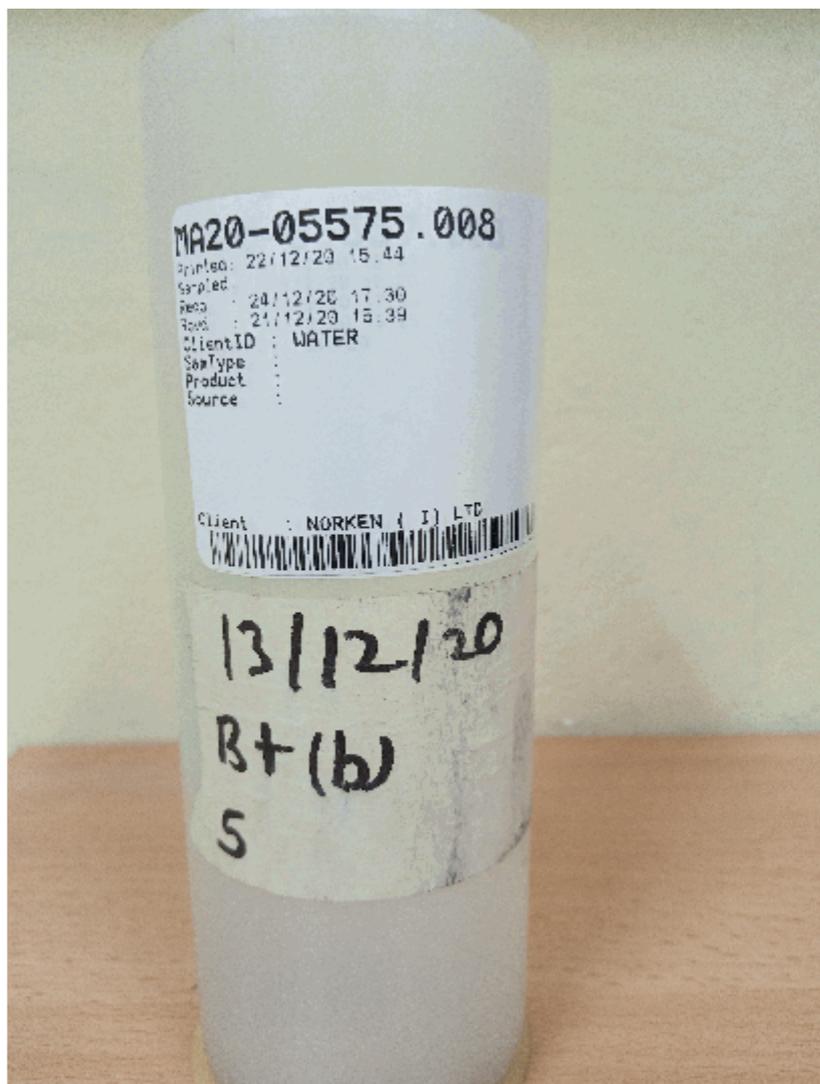
080120211153 0000125461

Page 15 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.008

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 16 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(a)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

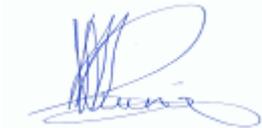
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	1.24	mg/l
S - Chloride	DIN EN ISO 10304-1	36.10	mg/l
Aluminium as Al	APHA 3120 B	1.02	mg/l
Calcium as Ca	APHA 3120 B	91.90	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.32	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	156.68	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

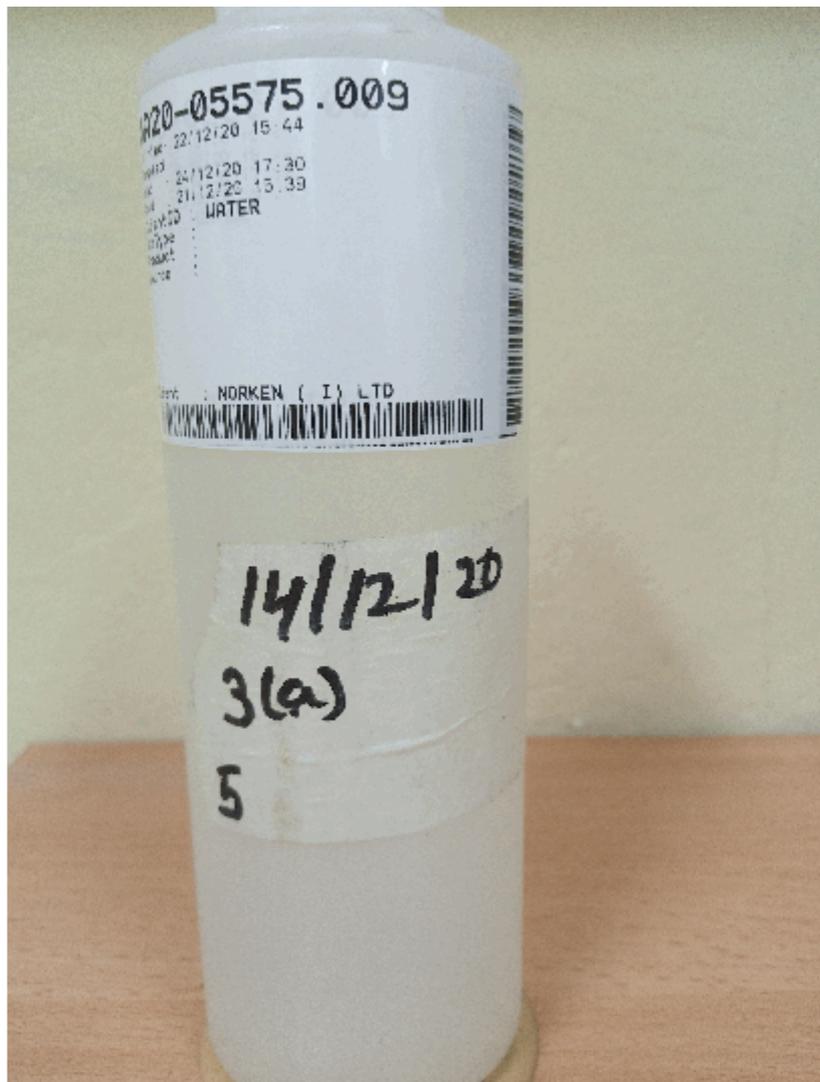
080120211153 0000125461

Page 17 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 18 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE:DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(b)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

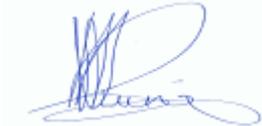
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	1.28	mg/l
S - Chloride	DIN EN ISO 10304-1	34.70	mg/l
Aluminium as Al	APHA 3120 B	0.98	mg/l
Calcium as Ca	APHA 3120 B	76.51	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.28	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	149.48	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

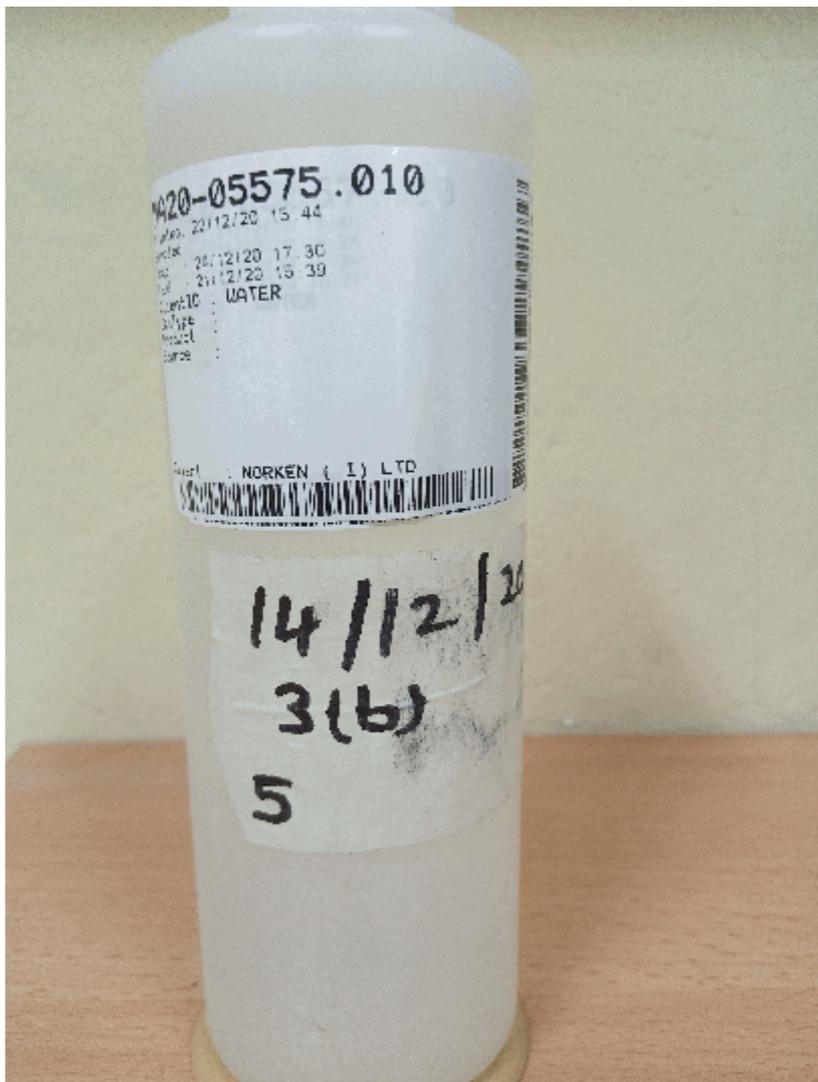
080120211153 0000125461

Page 19 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 20 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
B3(a)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

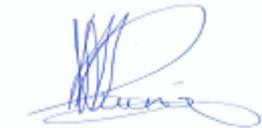
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.93	mg/l
S - Chloride	DIN EN ISO 10304-1	110.00	mg/l
Aluminium as Al	APHA 3120 B	0.69	mg/l
Calcium as Ca	APHA 3120 B	17.88	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.48	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	109.84	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

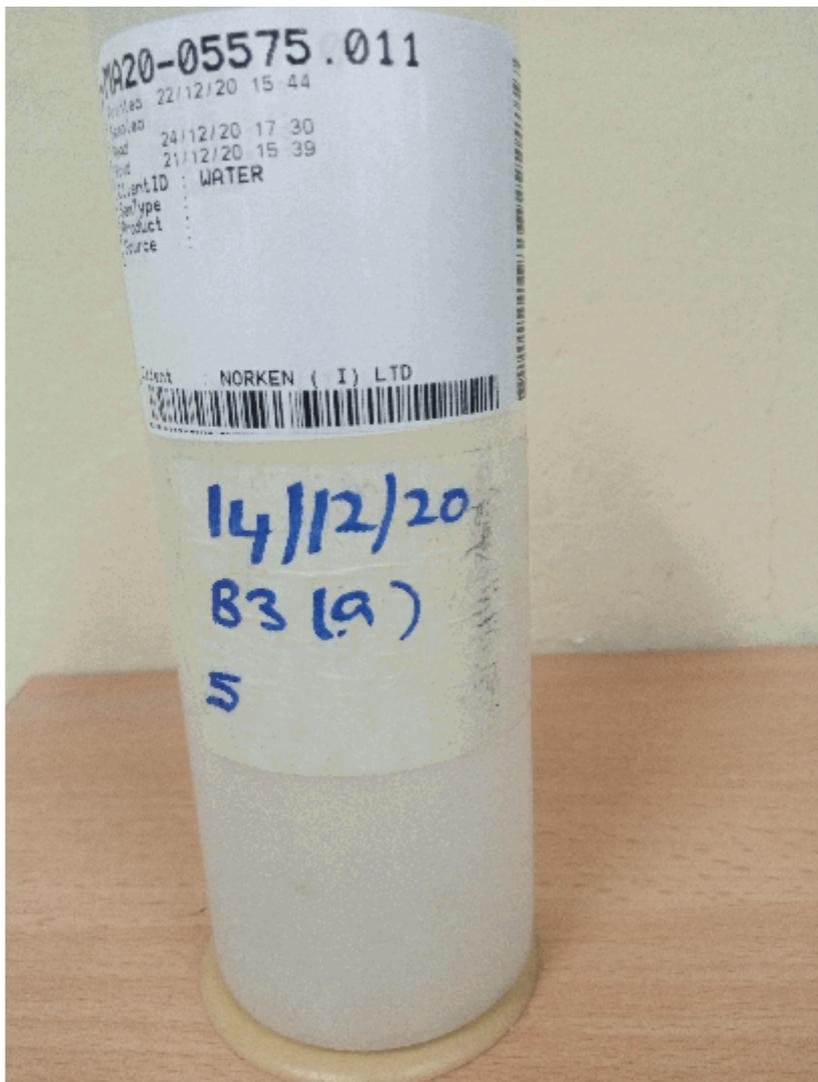
080120211153 0000125461

Page 21 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 22 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
B3(b)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

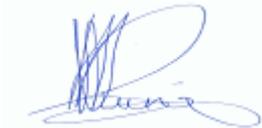
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.97	mg/l
S - Chloride	DIN EN ISO 10304-1	111.00	mg/l
Aluminium as Al	APHA 3120 B	0.74	mg/l
Calcium as Ca	APHA 3120 B	17.90	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.55	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	123.44	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

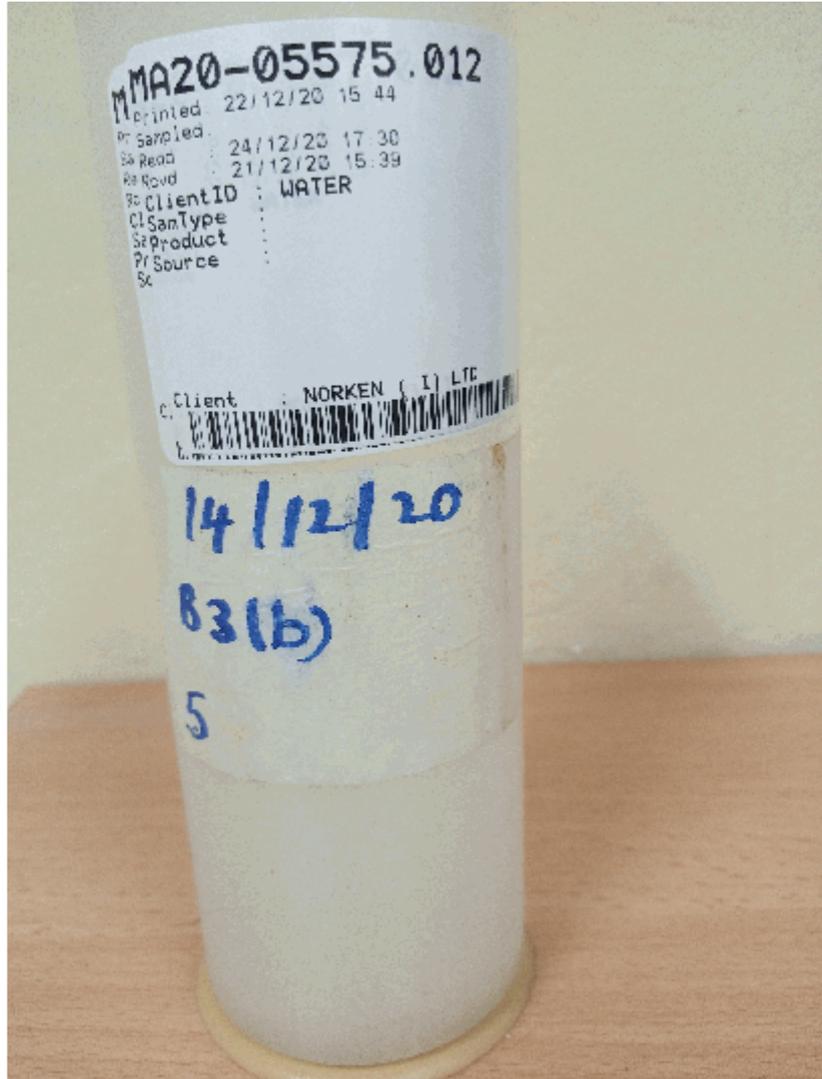
080120211153 0000125461

Page 23 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 24 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(a)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

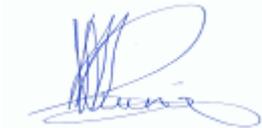
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.36	mg/l
S - Chloride	DIN EN ISO 10304-1	17.50	mg/l
Aluminium as Al	APHA 3120 B	2.46	mg/l
Calcium as Ca	APHA 3120 B	13.94	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.26	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	29.81	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

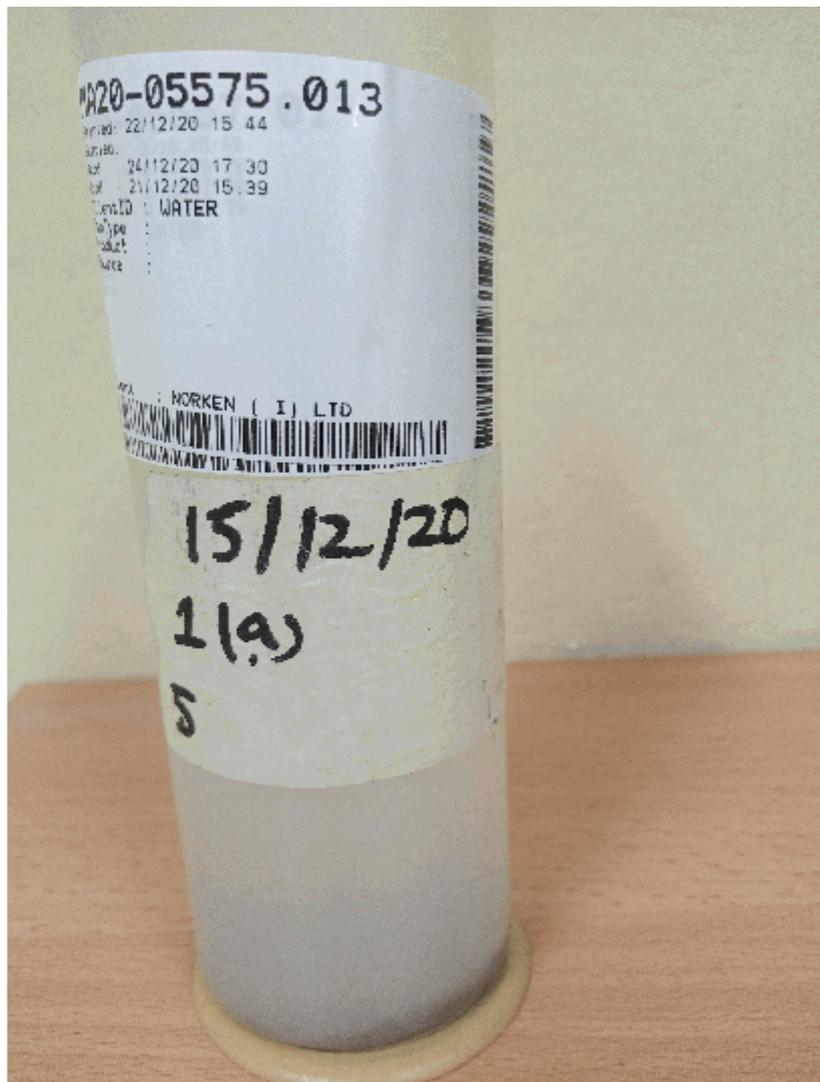
080120211153 0000125461

Page 25 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 26 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 22/12/2020
ANALYSIS COMPLETED: 07/01/2021
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(b)
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.35	mg/l
S - Chloride	DIN EN ISO 10304-1	17.40	mg/l
Aluminium as Al	APHA 3120 B	2.21	mg/l
Calcium as Ca	APHA 3120 B	14.15	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.08	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	30.08	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Pauline Viviane-Chemist

Technical Signatory



Grace Karisa-Chemist

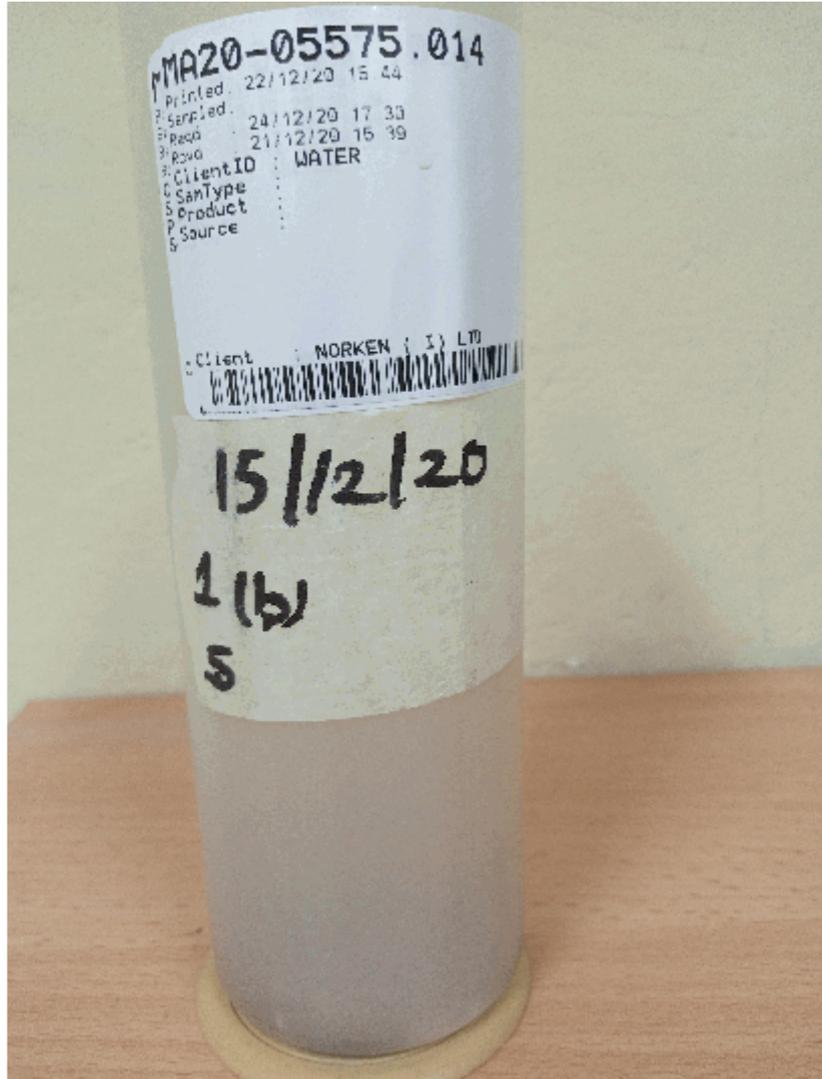
080120211153 0000125461

Page 27 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 28 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 08/01/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05575.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 07/01/2021

SGS ORDERNO: 5200654

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
FB
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

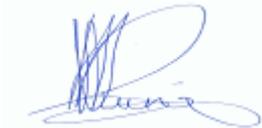
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Fluoride	APHA 4500 F- C	0.33	mg/l
S - Chloride	DIN EN ISO 10304-1	19.10	mg/l
Aluminium as Al	APHA 3120 B	2.65	mg/l
Calcium as Ca	APHA 3120 B	14.64	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.42	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	30.48	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Pauline Viviane-Chemist



Grace Karisa-Chemist

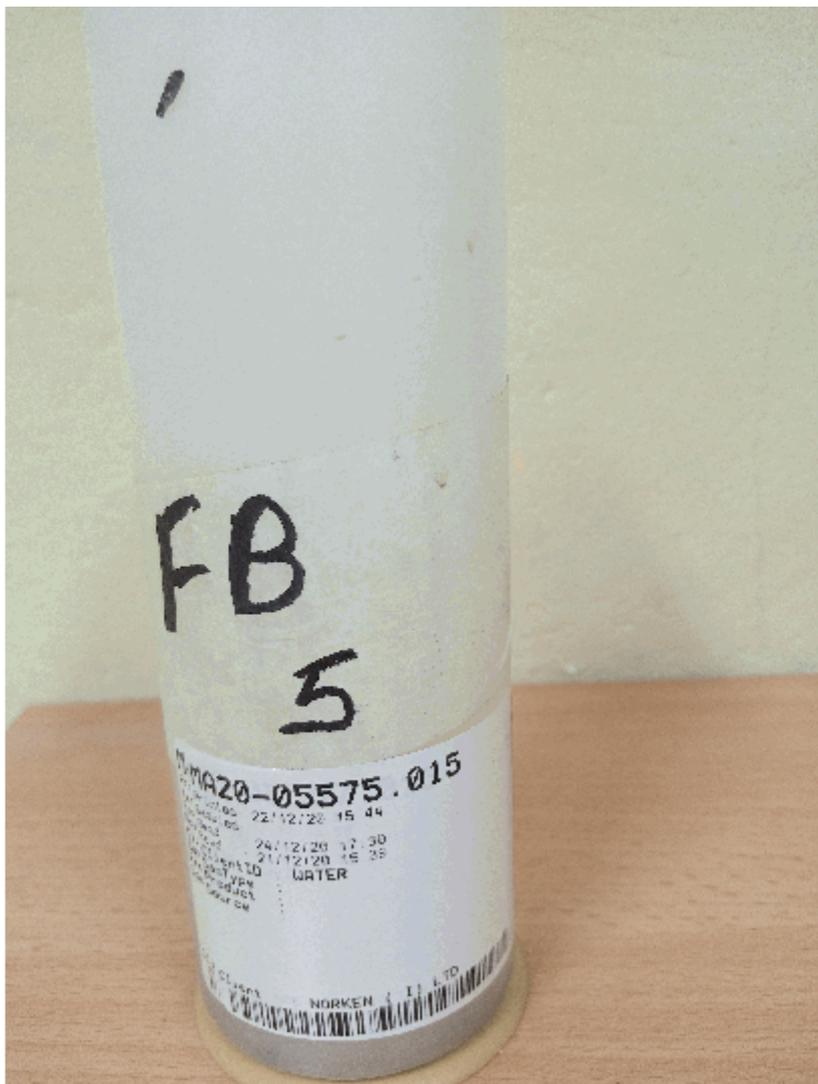
080120211153 0000125461

Page 29 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05575.015

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Pauline Viviane-Chemist

Technical Signatory

Grace Karisa-Chemist

080120211153 0000125461

Page 30 of 30

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S105
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.96	mg/l
Calcium as Ca	APHA 3120 B	9.86	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.35	mg/l
Sodium as Na	APHA 3120 B	24.09	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	0.03	mg/l
Fluoride	APHA 4500 F- C	0.73	mg/l
S - Chloride	DIN EN ISO 10304-1	9.20	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

250320211308 0000127512

Page 1 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.001

Authorised Signatory

Technical Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

Stephen Musyoka-Chemist

250320211318 0000127512

Page 2 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S170
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	3.87	mg/l
Calcium as Ca	APHA 3120 B	9.93	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	2.10	mg/l
Sodium as Na	APHA 3120 B	21.44	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	0.03	mg/l
Fluoride	APHA 4500 F- C	1.16	mg/l
S - Chloride	DIN EN ISO 10304-1	8.90	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

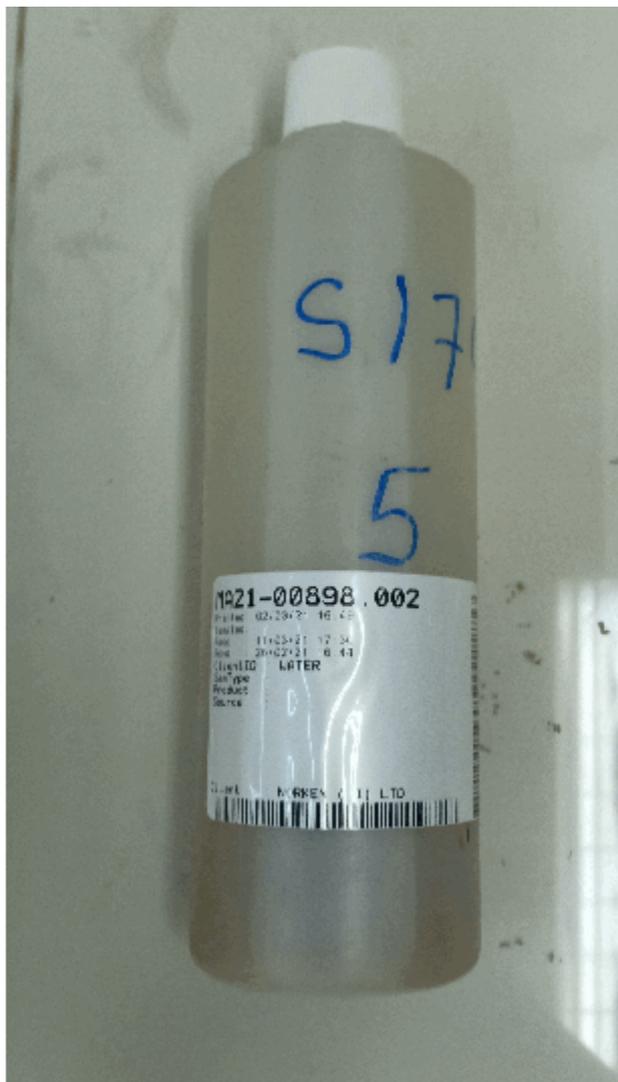
250320211318 0000127512

Page 3 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211318 0000127512

Page 4 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S15
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	10.50	mg/l
Calcium as Ca	APHA 3120 B	10.25	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	7.31	mg/l
Sodium as Na	APHA 3120 B	16.90	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	0.03	mg/l
Fluoride	APHA 4500 F- C	0.23	mg/l
S - Chloride	DIN EN ISO 10304-1	4.40	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

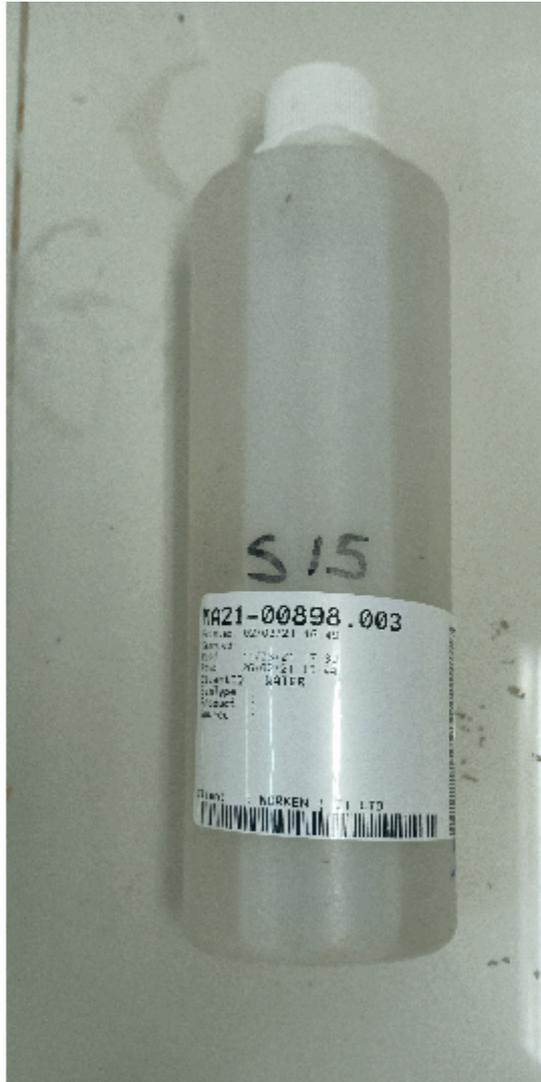
250320211318 0000127512

Page 5 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211318 0000127512

Page 6 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S122
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.05	mg/l
Calcium as Ca	APHA 3120 B	13.02	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.10	mg/l
Sodium as Na	APHA 3120 B	16.67	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	0.03	mg/l
Fluoride	APHA 4500 F- C	0.58	mg/l
S - Chloride	DIN EN ISO 10304-1	7.20	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

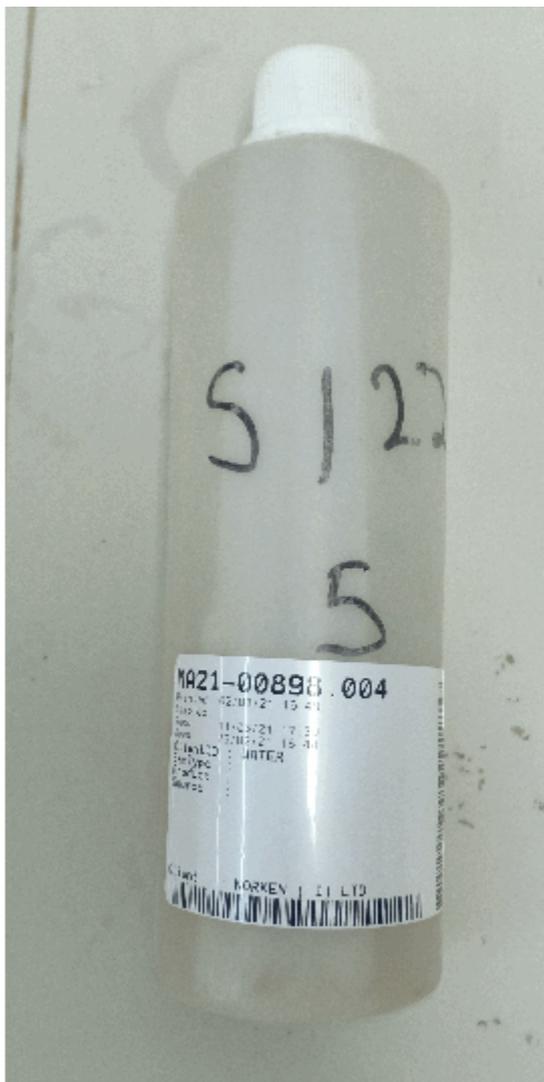
250320211318 0000127512

Page 7 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211318 0000127512

Page 8 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S164
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	<0.05	mg/l
Calcium as Ca	APHA 3120 B	1.67	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.07	mg/l
Sodium as Na	APHA 3120 B	3.50	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	0.03	mg/l
Fluoride	APHA 4500 F- C	0.05	mg/l
S - Chloride	DIN EN ISO 10304-1	4.70	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

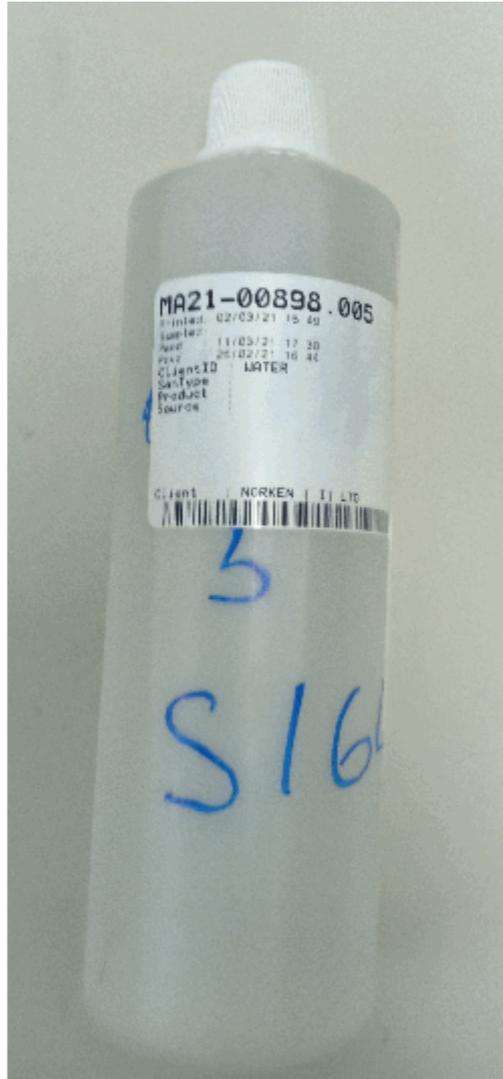
250320211318 0000127512

Page 9 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211318 0000127512

Page 10 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S111
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.79	mg/l
Calcium as Ca	APHA 3120 B	10.96	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.02	mg/l
Sodium as Na	APHA 3120 B	18.75	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.94	mg/l
S - Chloride	DIN EN ISO 10304-1	6.00	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

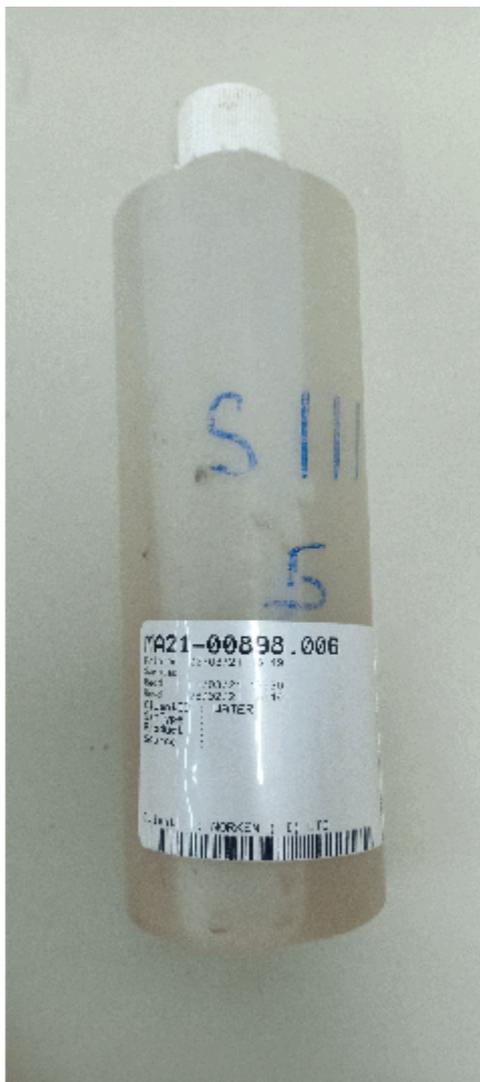
250320211318 0000127512

Page 11 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211318 0000127512

Page 12 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S117
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	2.08	mg/l
Calcium as Ca	APHA 3120 B	11.16	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.38	mg/l
Sodium as Na	APHA 3120 B	19.54	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.92	mg/l
S - Chloride	DIN EN ISO 10304-1	6.00	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

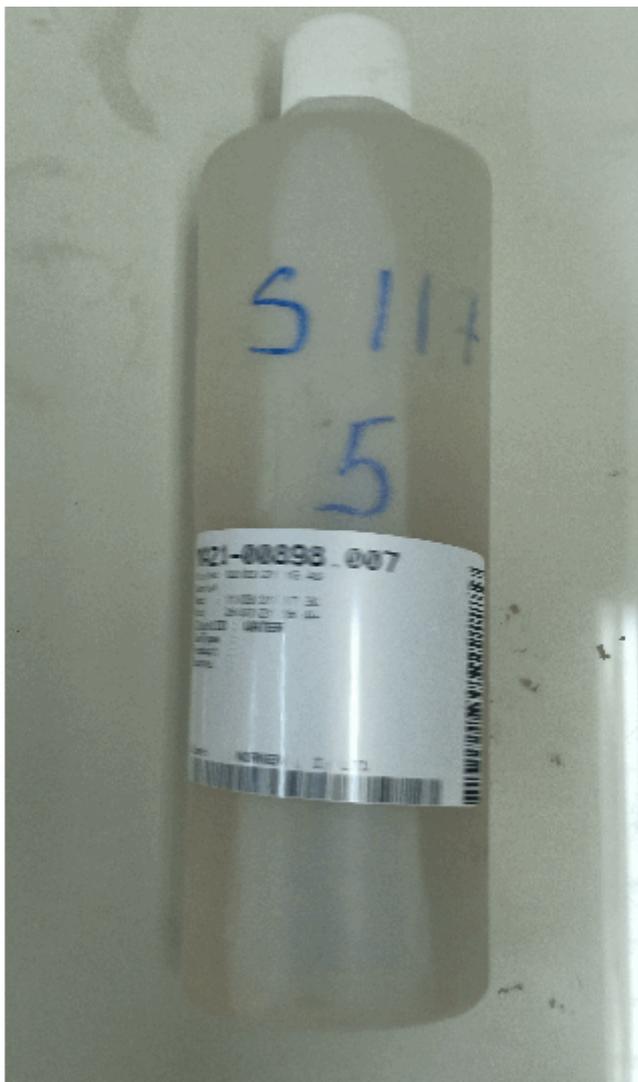
250320211318 0000127512

Page 13 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211318 0000127512

Page 14 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S152
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.83	mg/l
Calcium as Ca	APHA 3120 B	14.66	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.59	mg/l
Sodium as Na	APHA 3120 B	85.74	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	2.34	mg/l
S - Chloride	DIN EN ISO 10304-1	85.20	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

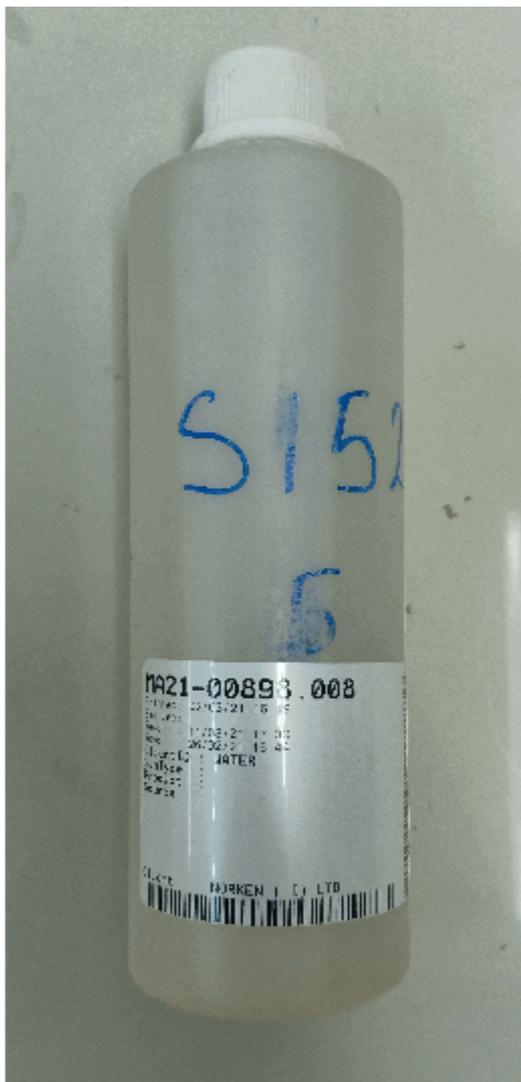
250320211318 0000127512

Page 15 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.008

****End of Analytical Results****

Authorised Signatory

Technical Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

Stephen Musyoka-Chemist

250320211318 0000127512

Page 16 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S99
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.88	mg/l
Calcium as Ca	APHA 3120 B	9.89	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.26	mg/l
Sodium as Na	APHA 3120 B	25.07	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.78	mg/l
S - Chloride	DIN EN ISO 10304-1	9.60	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

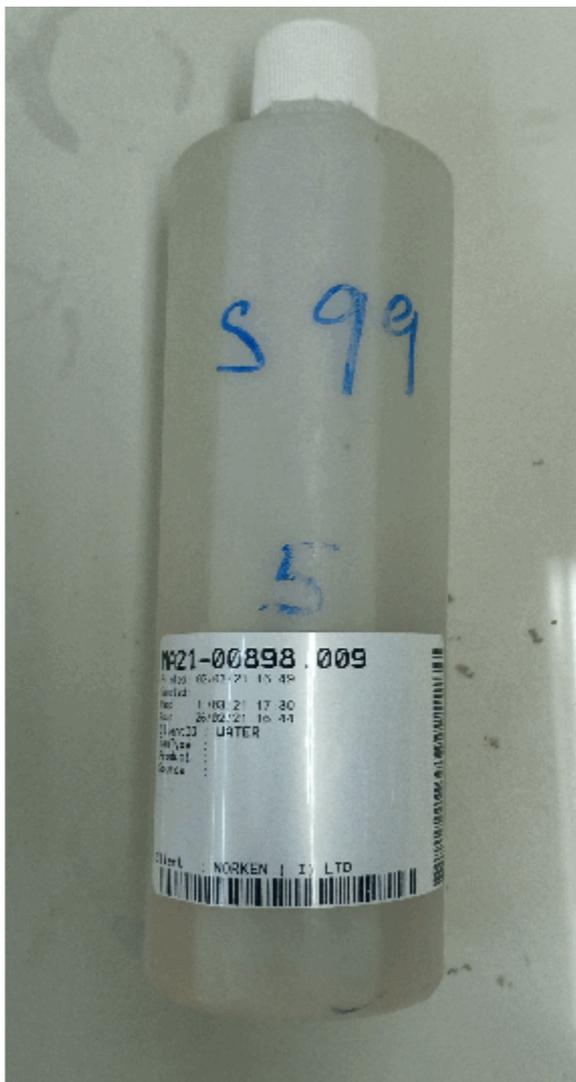
250320211405 0000127513

Page 1 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211412 0000127513

Page 2 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S146
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.54	mg/l
Calcium as Ca	APHA 3120 B	14.99	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.02	mg/l
Sodium as Na	APHA 3120 B	84.76	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	2.45	mg/l
S - Chloride	DIN EN ISO 10304-1	84.20	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

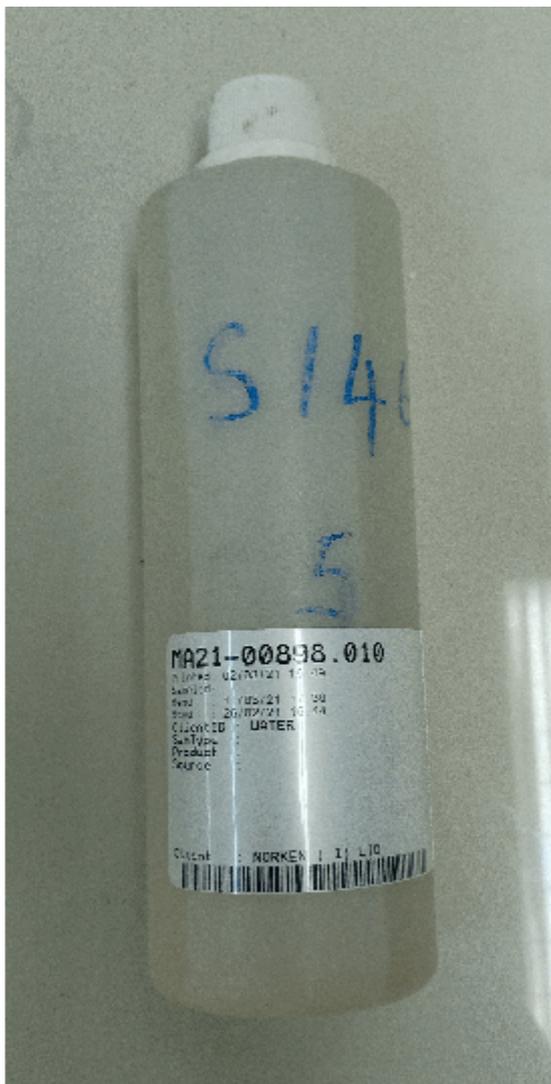
250320211412 0000127513

Page 3 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211412 0000127513

Page 4 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S128
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.00	mg/l
Calcium as Ca	APHA 3120 B	11.27	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.99	mg/l
Sodium as Na	APHA 3120 B	17.21	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.53	mg/l
S - Chloride	DIN EN ISO 10304-1	7.90	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

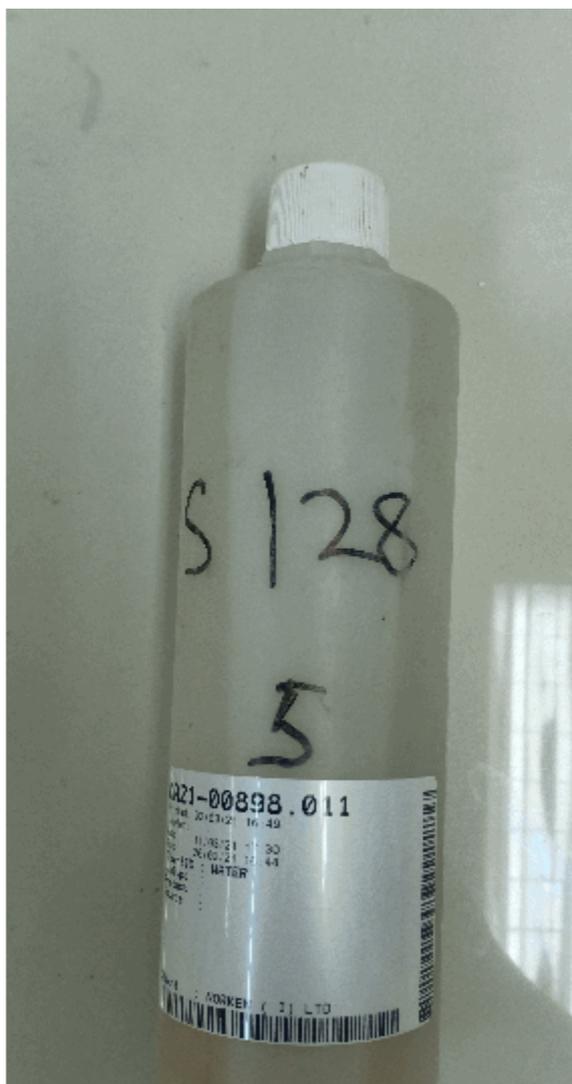
250320211412 0000127513

Page 5 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211412 0000127513

Page 6 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S158
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	<0.05	mg/l
Calcium as Ca	APHA 3120 B	18.96	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.09	mg/l
Sodium as Na	APHA 3120 B	47.60	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	0.02	mg/l
Fluoride	APHA 4500 F- C	0.48	mg/l
S - Chloride	DIN EN ISO 10304-1	60.40	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

250320211412 0000127513

Page 7 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211412 0000127513

Page 8 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S137
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	3.32	mg/l
Calcium as Ca	APHA 3120 B	20.14	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.27	mg/l
Sodium as Na	APHA 3120 B	44.73	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	1.50	mg/l
S - Chloride	DIN EN ISO 10304-1	14.70	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

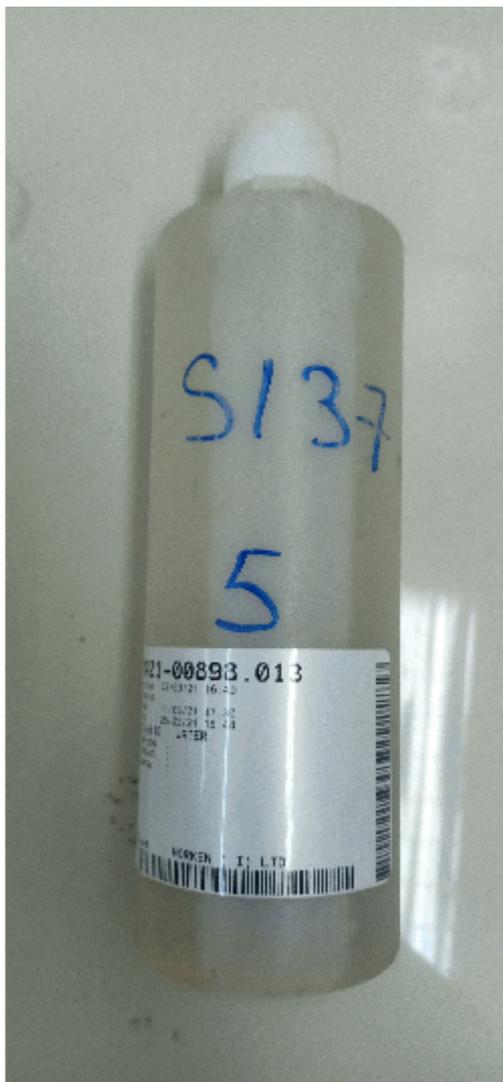
250320211412 0000127513

Page 9 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211412 0000127513

Page 10 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S140
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	3.71	mg/l
Calcium as Ca	APHA 3120 B	19.09	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.61	mg/l
Sodium as Na	APHA 3120 B	44.49	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	1.90	mg/l
S - Chloride	DIN EN ISO 10304-1	14.50	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

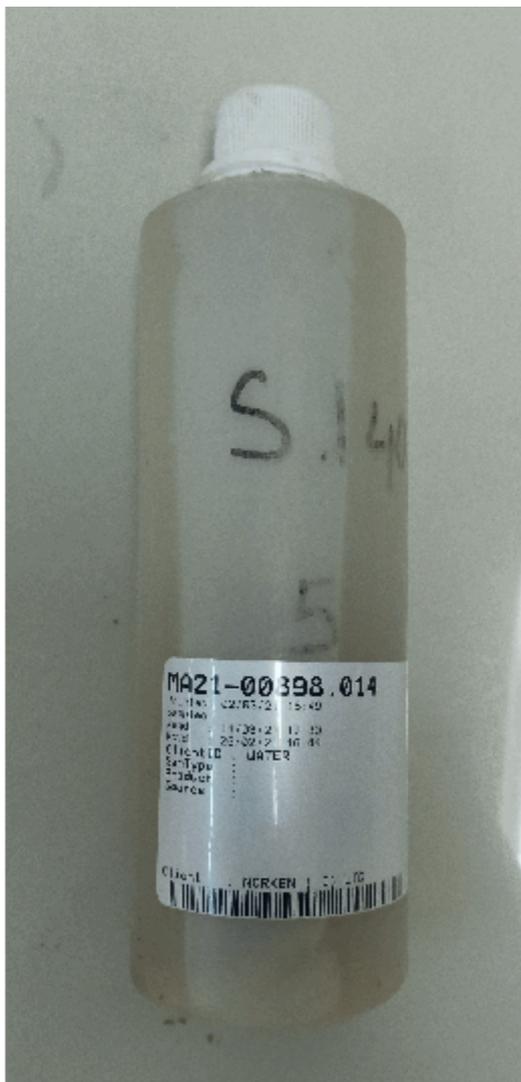
250320211412 0000127513

Page 11 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211412 0000127513

Page 12 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 25/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00898.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 25/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S84
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.49	mg/l
Calcium as Ca	APHA 3120 B	6.82	mg/l
Cadmium as Cd	APHA 3120 B	<0.007	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.26	mg/l
Sodium as Na	APHA 3120 B	26.45	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	0.03	mg/l
Fluoride	APHA 4500 F- C	0.85	mg/l
S - Chloride	DIN EN ISO 10304-1	9.60	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

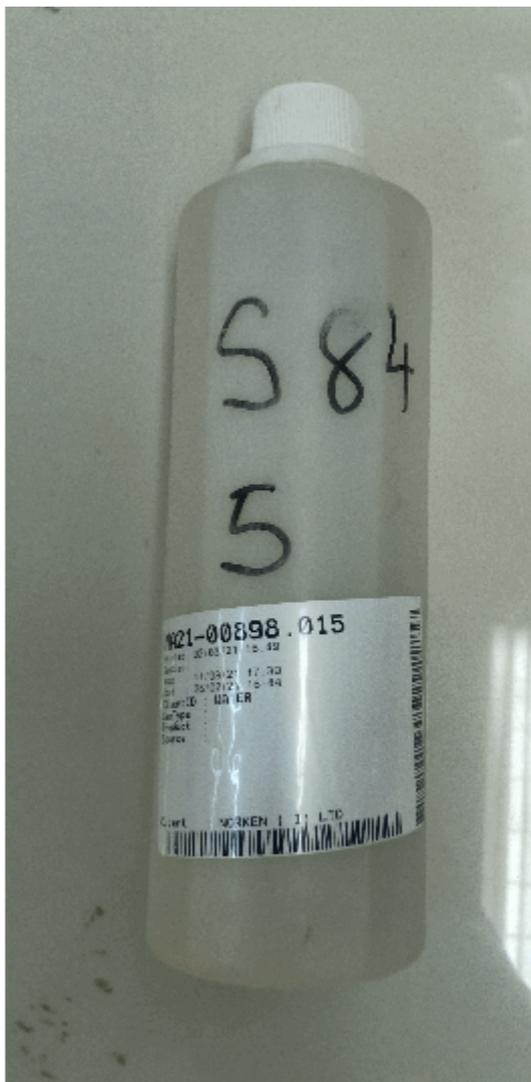
250320211412 0000127513

Page 13 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00898.015

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

250320211412 0000127513

Page 14 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S10
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

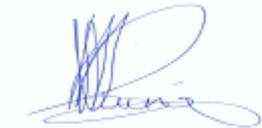
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	4.49	mg/l
Calcium as Ca	APHA 3120 B	10.56	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	2.26	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	23.07	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	0.04	mg/l
Fluoride	APHA 4500 F- C	1.03	mg/l
S - Chloride	DIN EN ISO 10304-1	7.50	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

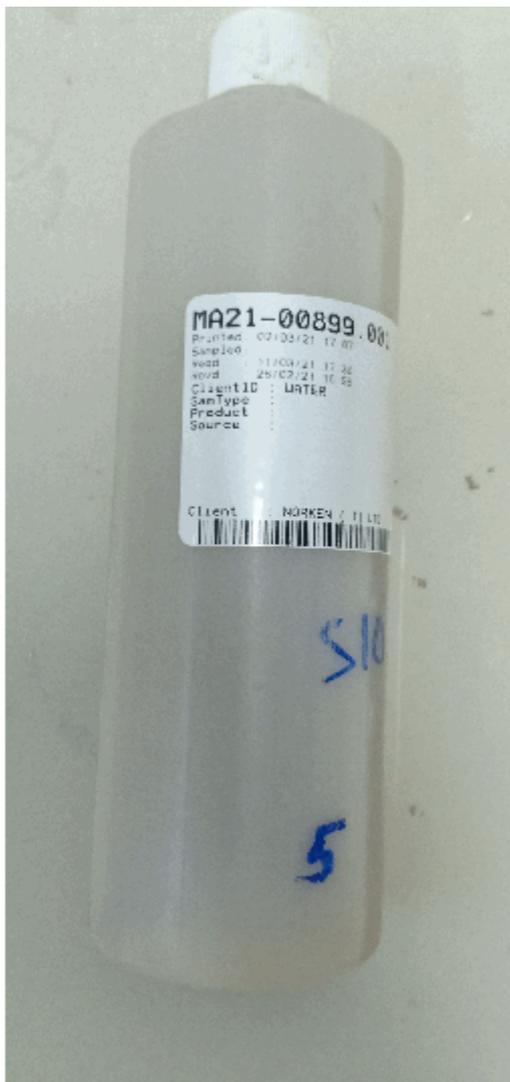
010420211615 0000127750

Page 1 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211622 0000127750

Page 2 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 04/03/2021
ANALYSIS COMPLETED: 01/04/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S20
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

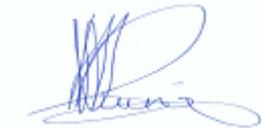
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.12	mg/l
Calcium as Ca	APHA 3120 B	3.36	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.39	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	4.76	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.13	mg/l
S - Chloride	DIN EN ISO 10304-1	1.70	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

010420211622 0000127750

Page 3 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211622 0000127750

Page 4 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S92
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

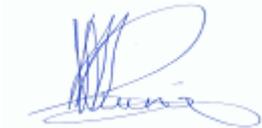
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.65	mg/l
Calcium as Ca	APHA 3120 B	8.46	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.45	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	38.84	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	0.02	mg/l
Fluoride	APHA 4500 F- C	0.88	mg/l
S - Chloride	DIN EN ISO 10304-1	18.00	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

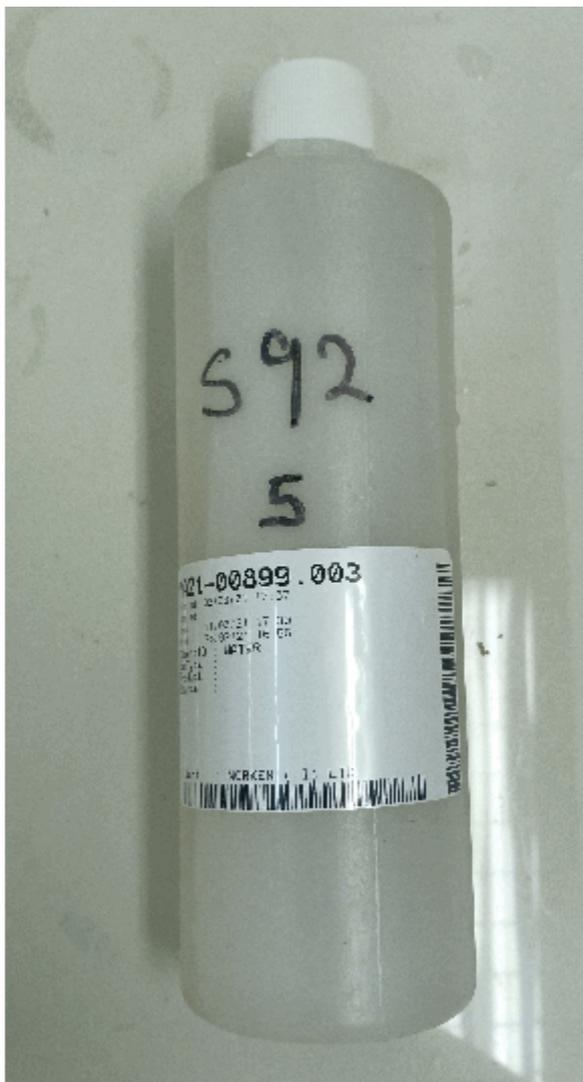
010420211622 0000127750

Page 5 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211622 0000127750

Page 6 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S46
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

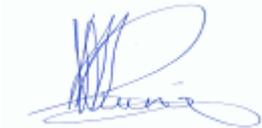
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.09	mg/l
Calcium as Ca	APHA 3120 B	6.55	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.29	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	8.99	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.20	mg/l
S - Chloride	DIN EN ISO 10304-1	8.90	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

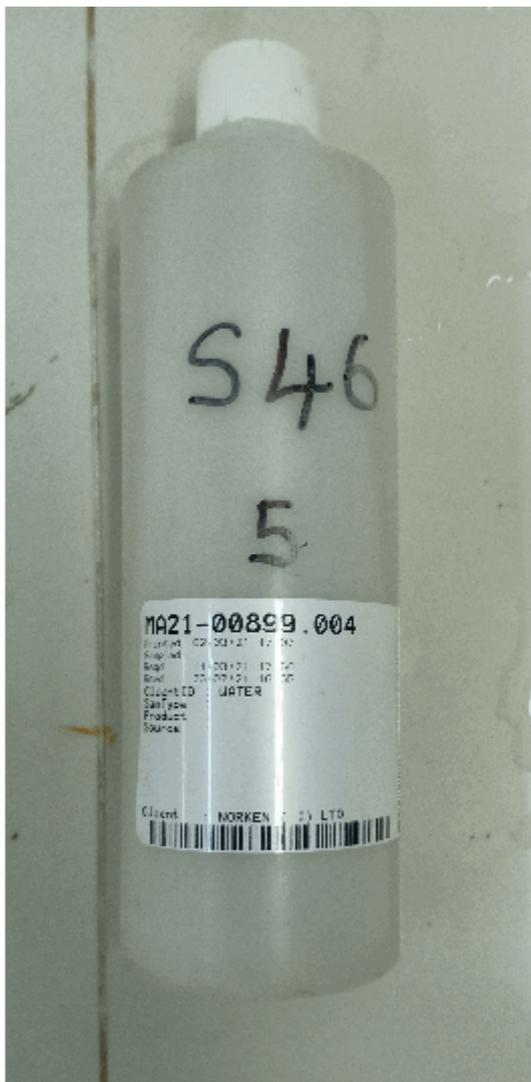
010420211622 0000127750

Page 7 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211622 0000127750

Page 8 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S69
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.21	mg/l
Calcium as Ca	APHA 3120 B	6.89	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.36	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	17.02	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.27	mg/l
S - Chloride	DIN EN ISO 10304-1	13.70	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

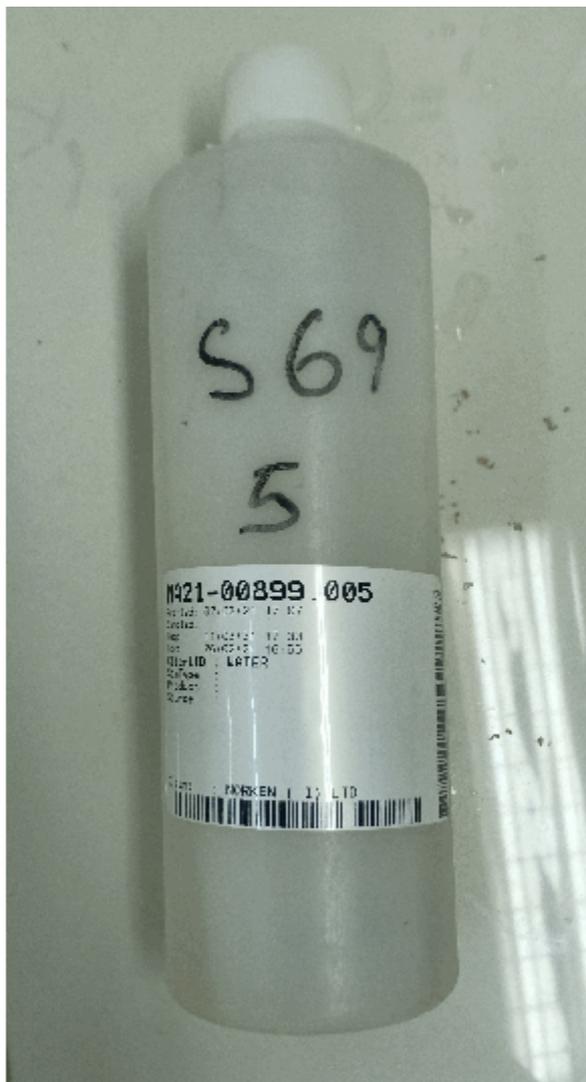
010420211622 0000127750

Page 9 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211622 0000127750

Page 10 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S90
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.49	mg/l
Calcium as Ca	APHA 3120 B	5.66	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.46	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	23.96	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.53	mg/l
S - Chloride	DIN EN ISO 10304-1	10.70	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

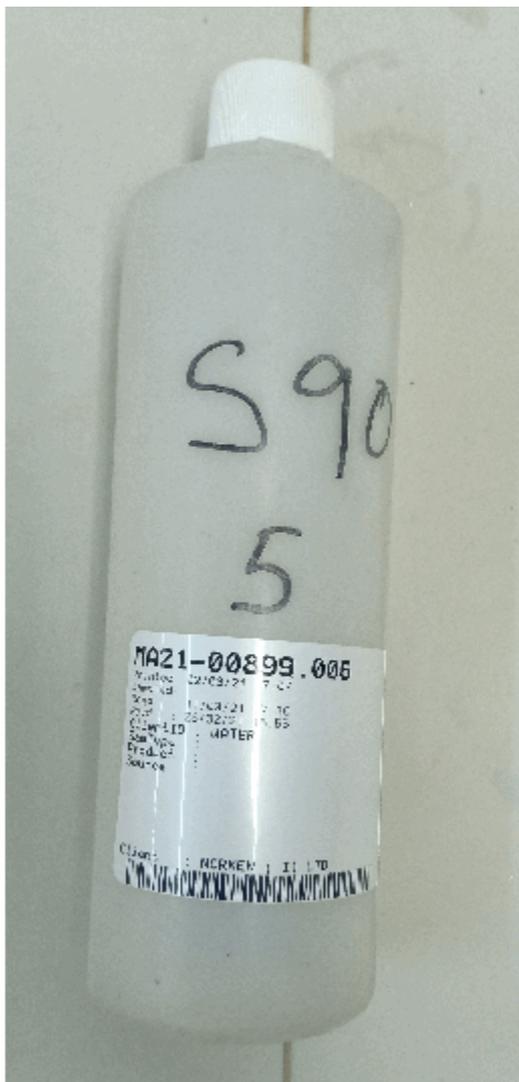
010420211622 0000127750

Page 11 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.006

Authorised Signatory

Technical Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

Stephen Musyoka-Chemist

010420211622 0000127750

Page 12 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S27
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

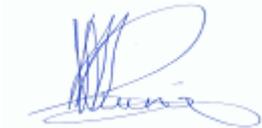
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.13	mg/l
Calcium as Ca	APHA 3120 B	3.22	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.41	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	4.37	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.11	mg/l
S - Chloride	DIN EN ISO 10304-1	2.50	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

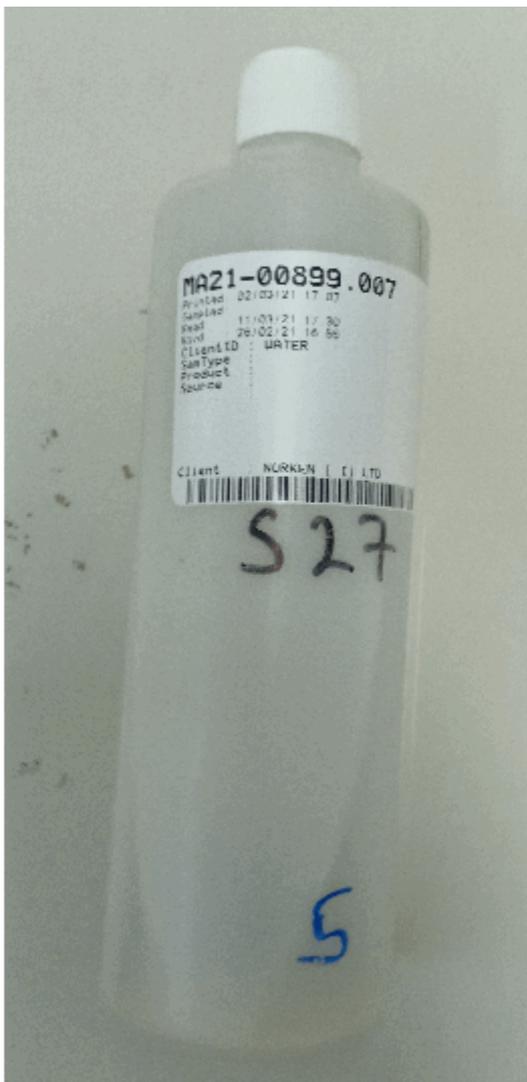
010420211622 0000127750

Page 13 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.007

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211622 0000127750

Page 14 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S39
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.06	mg/l
Calcium as Ca	APHA 3120 B	4.55	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.53	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	11.95	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.14	mg/l
S - Chloride	DIN EN ISO 10304-1	4.50	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

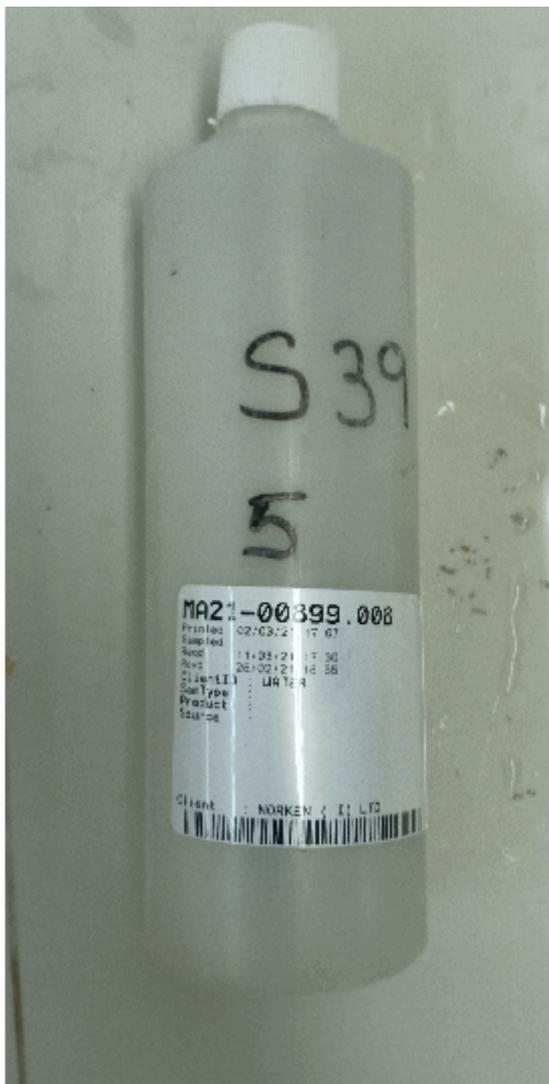
010420211628 0000127753

Page 1 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.008

Authorised Signatory

Technical Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

Stephen Musyoka-Chemist

010420211634 0000127753

Page 2 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S75
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

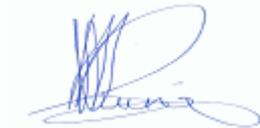
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.18	mg/l
Calcium as Ca	APHA 3120 B	7.09	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.34	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	13.47	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	0.05	mg/l
Fluoride	APHA 4500 F- C	0.22	mg/l
S - Chloride	DIN EN ISO 10304-1	9.40	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

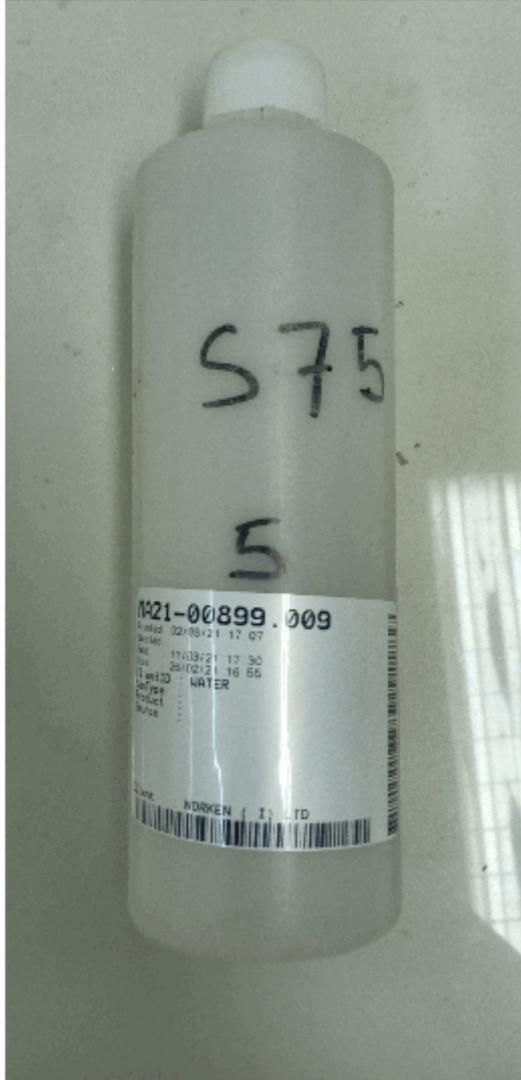
010420211634 0000127753

Page 3 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211634 0000127753

Page 4 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 04/03/2021
ANALYSIS COMPLETED: 01/04/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S2
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.66	mg/l
Calcium as Ca	APHA 3120 B	5.96	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.76	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	11.01	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	0.03	mg/l
Fluoride	APHA 4500 F- C	0.47	mg/l
S - Chloride	DIN EN ISO 10304-1	8.20	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

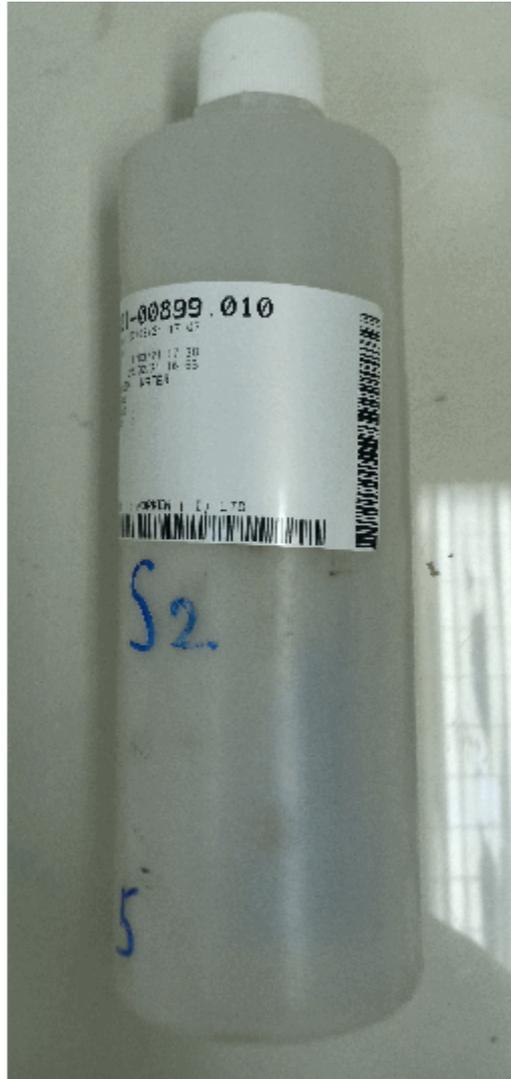
010420211634 0000127753

Page 5 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211634 0000127753

Page 6 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S34
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.20	mg/l
Calcium as Ca	APHA 3120 B	4.29	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	1.25	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	11.50	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.14	mg/l
S - Chloride	DIN EN ISO 10304-1	7.00	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

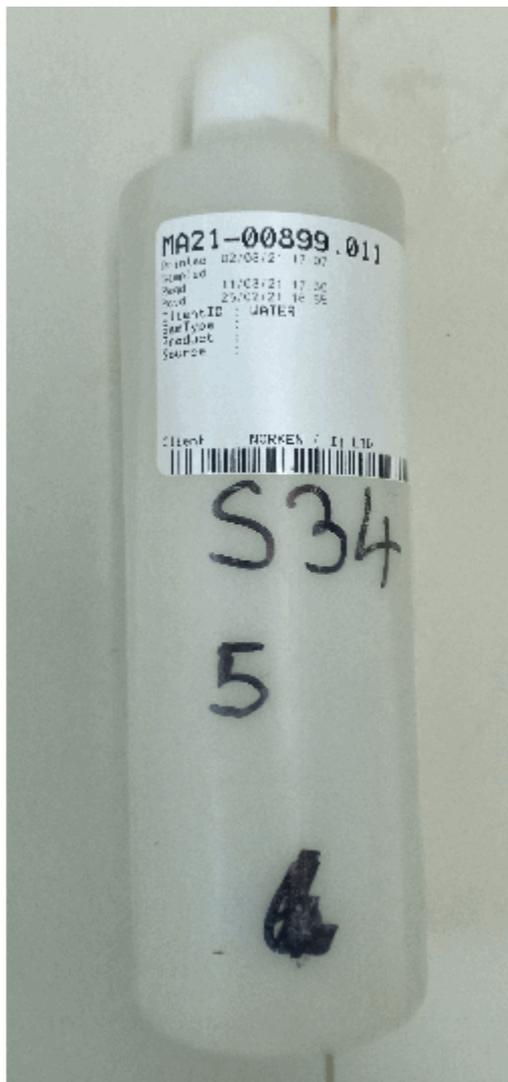
010420211634 0000127753

Page 7 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211634 0000127753

Page 8 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 01/04/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S64
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.32	mg/l
Calcium as Ca	APHA 3120 B	7.67	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.49	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	16.76	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	0.07	mg/l
Fluoride	APHA 4500 F- C	0.26	mg/l
S - Chloride	DIN EN ISO 10304-1	13.00	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

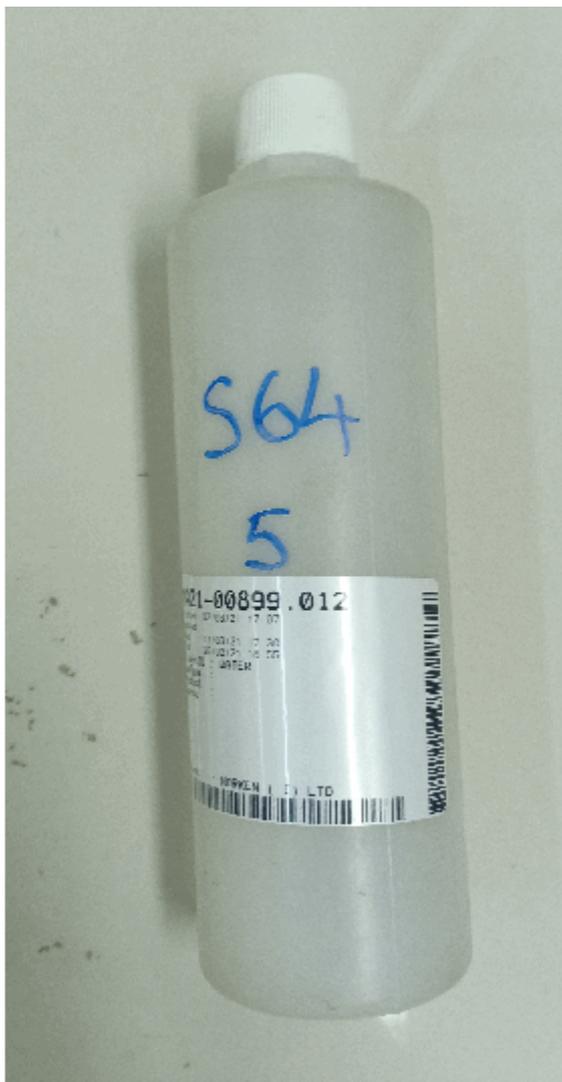
010420211634 0000127753

Page 9 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211634 0000127753

Page 10 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 04/03/2021
ANALYSIS COMPLETED: 01/04/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S52
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.12	mg/l
Calcium as Ca	APHA 3120 B	103.46	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.34	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	12.53	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	0.01	mg/l
Fluoride	APHA 4500 F- C	0.19	mg/l
S - Chloride	DIN EN ISO 10304-1	11.60	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

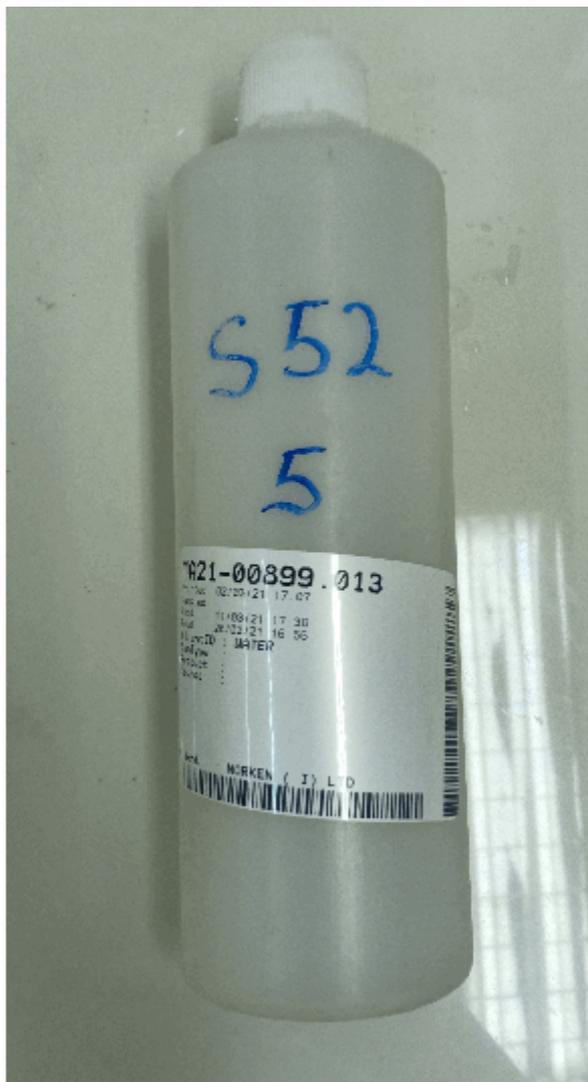
010420211634 0000127753

Page 11 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211634 0000127753

Page 12 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 01/04/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00899.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 26/02/2021
ANALYSIS STARTED: 04/03/2021
ANALYSIS COMPLETED: 01/04/2021
SGS ORDERNO: 5000215
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S58
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

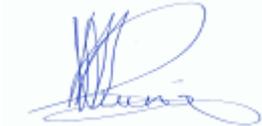
SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.32	mg/l
Calcium as Ca	APHA 3120 B	7.54	mg/l
Cadmium as Cd	APHA 3120 B	Not detected	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Iron as Fe	APHA 3120 B	0.55	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	12.21	mg/l
Nickel as Ni	APHA 3120 B	<0.02	mg/l
Lead as Pb	APHA 3120 B	<0.02	mg/l
Zinc as Zn	APHA 3120 B	0.07	mg/l
Fluoride	APHA 4500 F- C	0.22	mg/l
S - Chloride	DIN EN ISO 10304-1	9.20	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Stephen Musyoka-Chemist

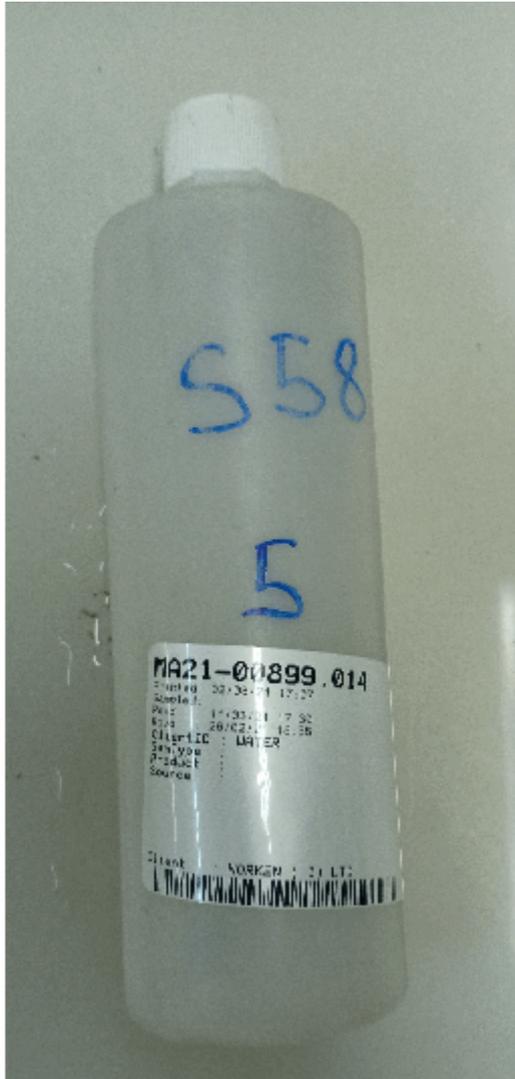
010420211634 0000127753

Page 13 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00899.014

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Stephen Musyoka-Chemist

010420211634 0000127753

Page 14 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.001

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6U
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.62	mg/l
Calcium as Ca	APHA 3120 B	16.17	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.20	mg/l
Sodium as Na	APHA 3120 B	90.95	mg/l
Nickel as Ni	APHA 3120 B	0.06	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	8.03	mg/l
S - Chloride	DIN EN ISO 10304-1	11.80	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist



Stephen Musyoka-Chemist

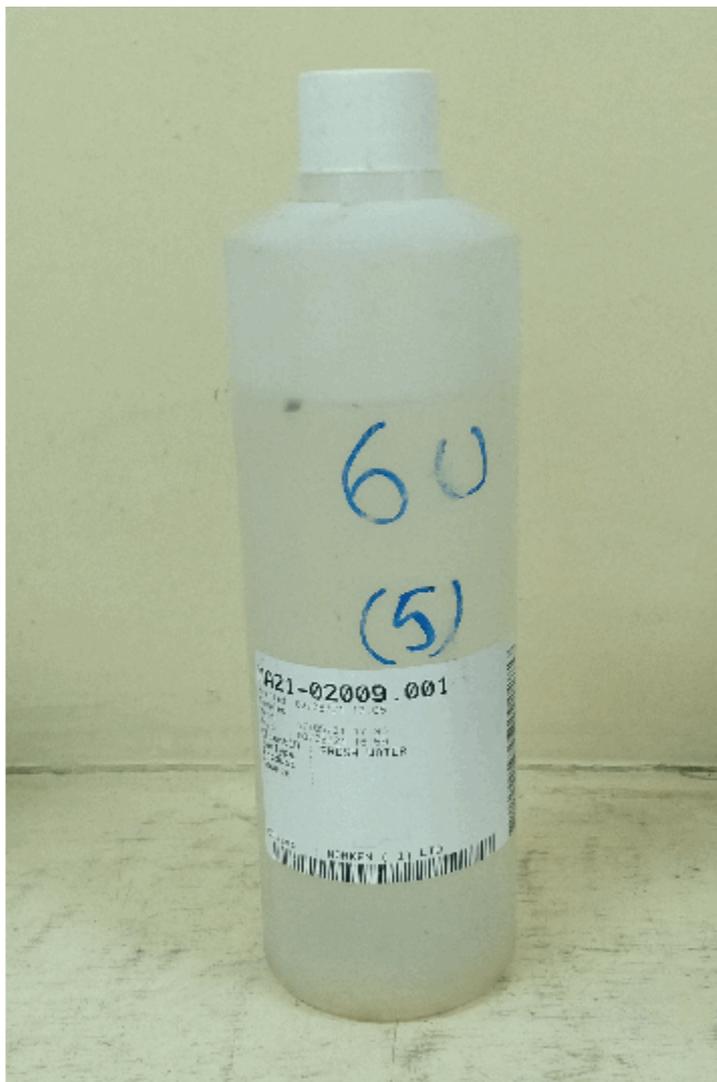
190520211249 0000128995

Page 1 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211250 0000128995

Page 2 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.002

PRODUCT DESCRIPTION: FRESH WATER

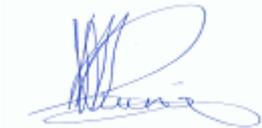
SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6D
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.46	mg/l
Calcium as Ca	APHA 3120 B	16.28	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.13	mg/l
Sodium as Na	APHA 3120 B	91.23	mg/l
Nickel as Ni	APHA 3120 B	0.06	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	8.12	mg/l
S - Chloride	DIN EN ISO 10304-1	11.40	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

190520211250 0000128995

Page 3 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211250 0000128995

Page 4 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.003

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
8U
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.90	mg/l
Calcium as Ca	APHA 3120 B	6.93	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.48	mg/l
Sodium as Na	APHA 3120 B	19.30	mg/l
Nickel as Ni	APHA 3120 B	0.04	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.64	mg/l
S - Chloride	DIN EN ISO 10304-1	8.70	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist



Stephen Musyoka-Chemist

190520211250 0000128995

Page 5 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.003

Authorised Signatory

Anselm Riungu - Technical Manager

190520211250 0000128995

Technical Signatory

Gift Kisengese-Chemist

Page 6 of 16

Technical Signatory

Stephen Musyoka-Chemist

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.004

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
8D
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.07	mg/l
Calcium as Ca	APHA 3120 B	6.48	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.39	mg/l
Sodium as Na	APHA 3120 B	18.93	mg/l
Nickel as Ni	APHA 3120 B	0.04	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.56	mg/l
S - Chloride	DIN EN ISO 10304-1	8.50	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist



Stephen Musyoka-Chemist

190520211250 0000128995

Page 7 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.004

Authorised Signatory

Anselm Riungu - Technical Manager

190520211250 0000128995

Technical Signatory

Gift Kisengese-Chemist

Page 8 of 16

Technical Signatory

Stephen Musyoka-Chemist

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.005

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1U
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.87	mg/l
Calcium as Ca	APHA 3120 B	7.28	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.36	mg/l
Sodium as Na	APHA 3120 B	19.47	mg/l
Nickel as Ni	APHA 3120 B	0.04	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.49	mg/l
S - Chloride	DIN EN ISO 10304-1	8.80	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

190520211250 0000128995

Page 9 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211250 0000128995

Page 10 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.006

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1D
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.79	mg/l
Calcium as Ca	APHA 3120 B	7.05	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.00	mg/l
Sodium as Na	APHA 3120 B	19.45	mg/l
Nickel as Ni	APHA 3120 B	0.03	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.58	mg/l
S - Chloride	DIN EN ISO 10304-1	8.70	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist



Stephen Musyoka-Chemist

190520211250 0000128995

Page 11 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.006

Authorised Signatory

Anselm Riungu - Technical Manager

190520211250 0000128995

Technical Signatory

Gift Kisengese-Chemist

Page 12 of 16

Technical Signatory

Stephen Musyoka-Chemist

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.007

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
9U
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	2.01	mg/l
Calcium as Ca	APHA 3120 B	7.03	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.39	mg/l
Sodium as Na	APHA 3120 B	32.78	mg/l
Nickel as Ni	APHA 3120 B	0.04	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.95	mg/l
S - Chloride	DIN EN ISO 10304-1	14.20	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

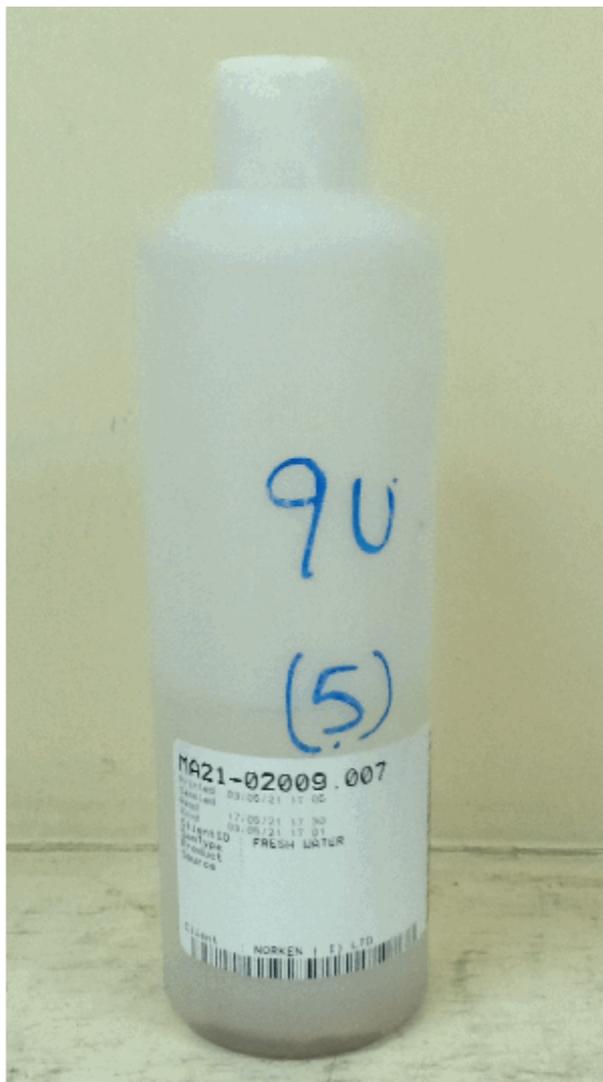
190520211250 0000128995

Page 13 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.007

Authorised Signatory

Anselm Riungu - Technical Manager

190520211250 0000128995

Technical Signatory

Gift Kisengese-Chemist

Page 14 of 16

Technical Signatory

Stephen Musyoka-Chemist

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.008

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
9D
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	2.02	mg/l
Calcium as Ca	APHA 3120 B	7.34	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	0.95	mg/l
Sodium as Na	APHA 3120 B	33.60	mg/l
Nickel as Ni	APHA 3120 B	0.05	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.97	mg/l
S - Chloride	DIN EN ISO 10304-1	14.60	mg/l

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist



Stephen Musyoka-Chemist

190520211250 0000128995

Page 15 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.008

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211250 0000128995

Page 16 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 26/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.009 Re-issue: 1

**** This Amended Report cancels and supersedes the Report No.MA21-02009.009 dated 19.05.21 issued by SGS ****

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 19/05/2021

SGS ORDERNO: 5000370

REISSUE COMMENT: AMENDMENT OF MARKS

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12U
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:

S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	1.27	mg/l
Calcium as Ca	APHA 3120 B	8.25	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	0.44	mg/l
Sodium as Na	APHA 3120 B	19.25	mg/l
Nickel as Ni	APHA 3120 B	0.04	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.42	mg/l
S - Chloride	DIN EN ISO 10304-1	13.20	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

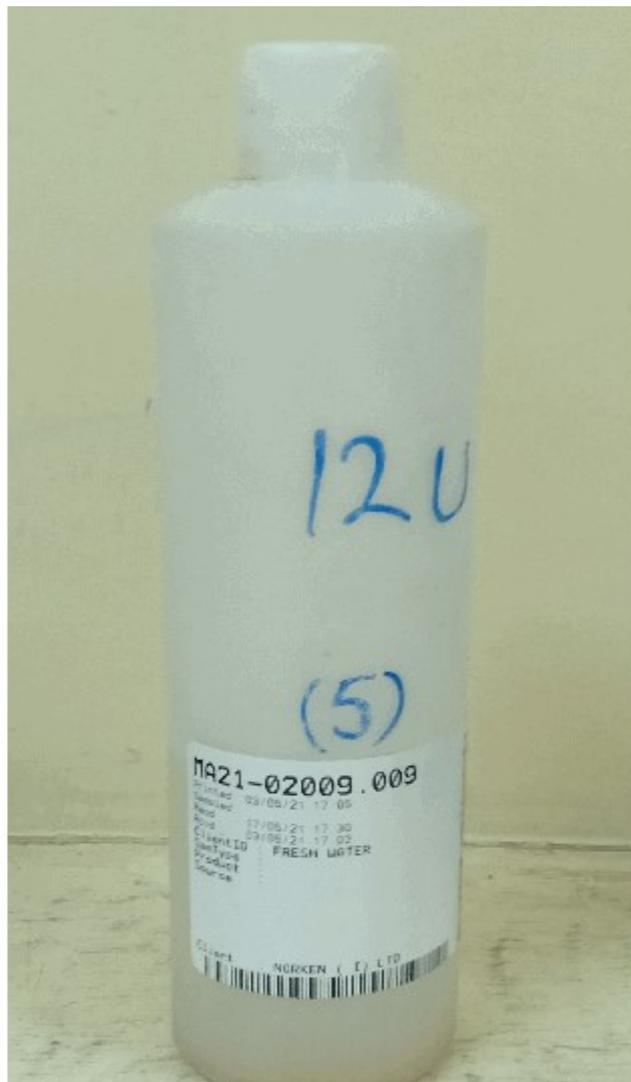
260520211438 0000129178

Page 1 of 2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.009

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

260520211438 0000129178

Page 2 of 2

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.010

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12D
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.23	mg/l
Calcium as Ca	APHA 3120 B	5.77	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	0.49	mg/l
Sodium as Na	APHA 3120 B	17.83	mg/l
Nickel as Ni	APHA 3120 B	0.04	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.38	mg/l
S - Chloride	DIN EN ISO 10304-1	13.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

190520211346 0000128997

Page 3 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211346 0000128997

Page 4 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.011

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13U
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.22	mg/l
Calcium as Ca	APHA 3120 B	10.35	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.28	mg/l
Sodium as Na	APHA 3120 B	17.82	mg/l
Nickel as Ni	APHA 3120 B	0.02	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.41	mg/l
S - Chloride	DIN EN ISO 10304-1	16.80	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

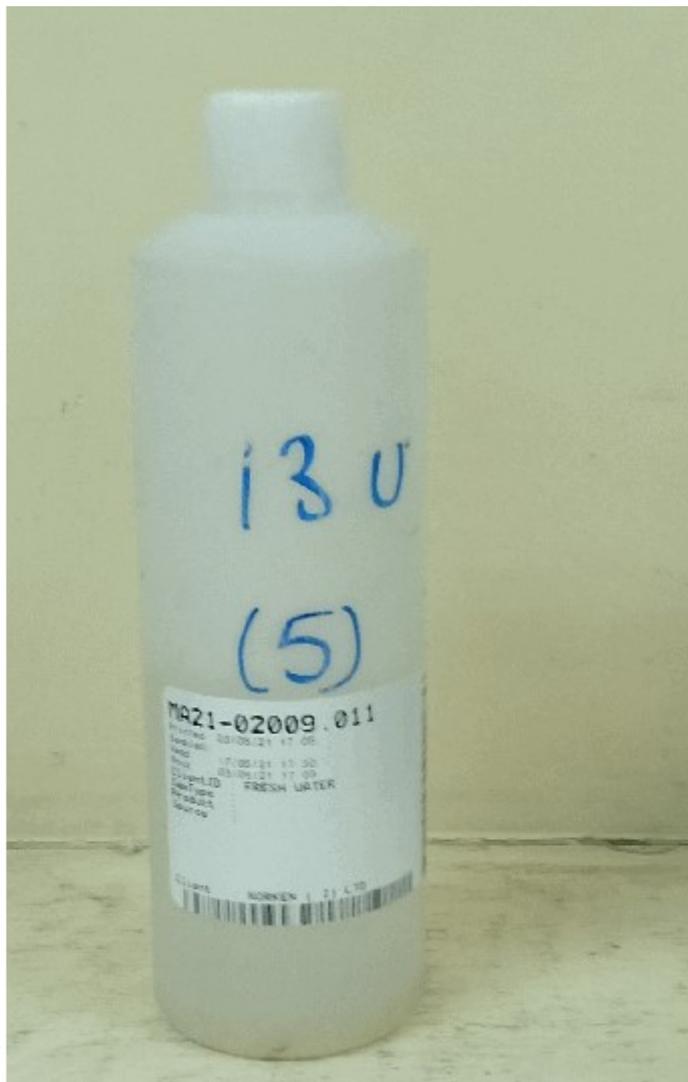
190520211346 0000128997

Page 5 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211346 0000128997

Page 6 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703.
e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.012

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13D
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.33	mg/l
Calcium as Ca	APHA 3120 B	12.26	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.32	mg/l
Sodium as Na	APHA 3120 B	18.02	mg/l
Nickel as Ni	APHA 3120 B	0.03	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.34	mg/l
S - Chloride	DIN EN ISO 10304-1	16.90	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

190520211346 0000128997

Page 7 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211346 0000128997

Page 8 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.013

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
14U
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.21	mg/l
Calcium as Ca	APHA 3120 B	6.51	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	3.35	mg/l
Sodium as Na	APHA 3120 B	14.62	mg/l
Nickel as Ni	APHA 3120 B	0.03	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.21	mg/l
S - Chloride	DIN EN ISO 10304-1	7.20	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

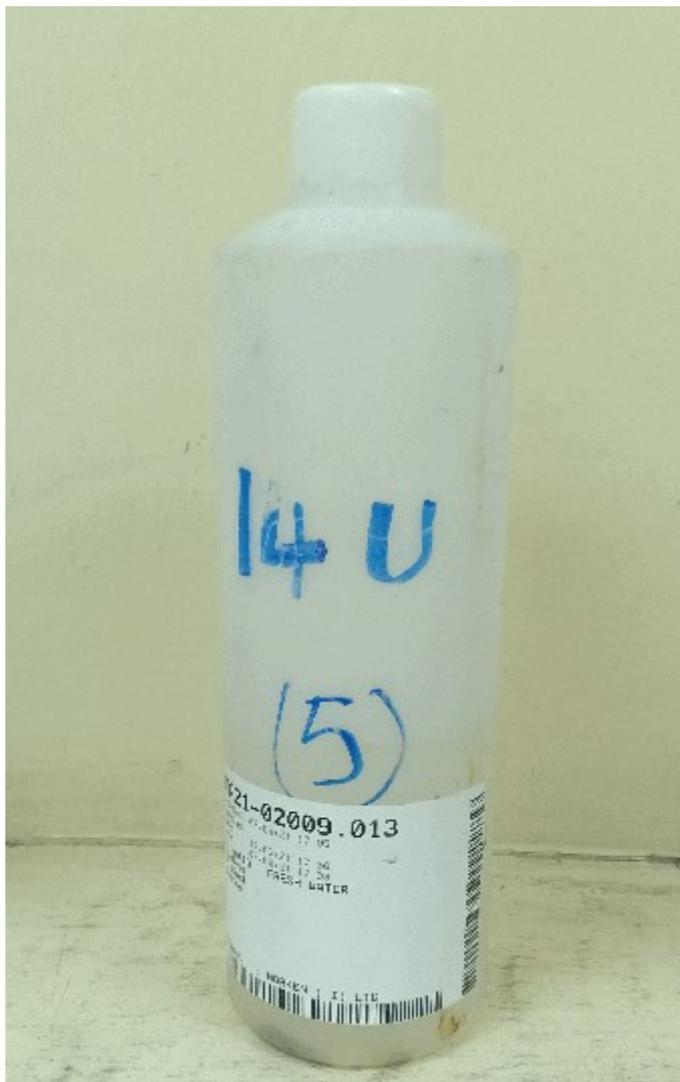
190520211346 0000128997

Page 9 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211346 0000128997

Page 10 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.014

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 19/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 14D
 5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
 S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	0.09	mg/l
Calcium as Ca	APHA 3120 B	6.70	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	1.85	mg/l
Sodium as Na	APHA 3120 B	14.66	mg/l
Nickel as Ni	APHA 3120 B	0.03	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.22	mg/l
S - Chloride	DIN EN ISO 10304-1	7.50	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

190520211346 0000128997

Page 11 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211346 0000128997

Page 12 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.015

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB1
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	<0.05	mg/l
Calcium as Ca	APHA 3120 B	0.57	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	18.37	mg/l
Nickel as Ni	APHA 3120 B	0.03	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.63	mg/l
S - Chloride	DIN EN ISO 10304-1	1.90	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

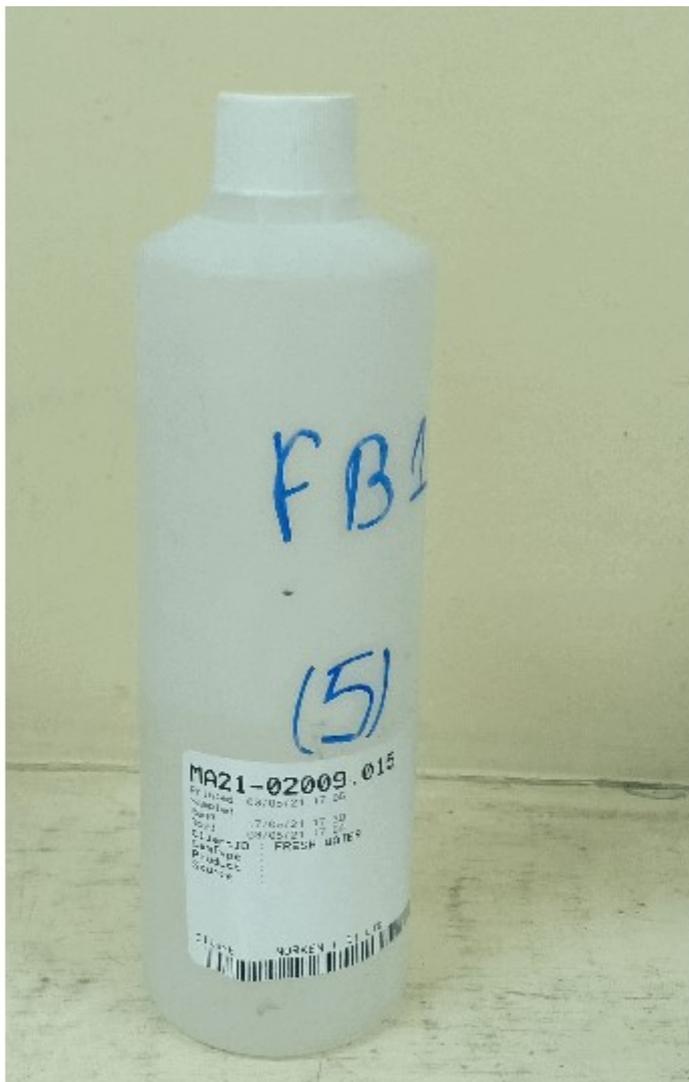
190520211346 0000128997

Page 13 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.015

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211346 0000128997

Page 14 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 19/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02009.016

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 19/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB2
5

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

SGS Kenya Ltd. makes no representation and assumes no responsibility for the reliability of analysis by a Sub-Contract Laboratory. The laboratory analysis for the Sub-Contract Laboratory tests are provided by:
S - Subcontracted to SGS ISO 17025 Laboratory

TESTS	METHOD	RESULT	UNITS
Aluminium as Al	APHA 3120 B	<0.05	mg/l
Calcium as Ca	APHA 3120 B	0.68	meq/L
Cadmium as Cd	APHA 3120 B	Not Detected	mg/l
Copper as Cu	APHA 3120 B	<0.01	mg/l
Cobalt as Co	APHA 3120 B	<0.02	mg/l
Chromium as Cr	APHA 3120 B	<0.02	mg/l
Iron as Fe	APHA 3120 B	<0.02	mg/l
Sodium as Na	APHA 3120 B	18.56	mg/l
Nickel as Ni	APHA 3120 B	0.03	mg/l
Lead as Pb	APHA 3120 B	<0.004	mg/l
Zinc as Zn	APHA 3120 B	<0.01	mg/l
Fluoride	APHA 4500 F- C	0.65	mg/l
S - Chloride	DIN EN ISO 10304-1	1.80	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Gift Kisengese-Chemist

Technical Signatory



Stephen Musyoka-Chemist

190520211346 0000128997

Page 15 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02009.016

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

Technical Signatory

Stephen Musyoka-Chemist

190520211346 0000128997

Page 16 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

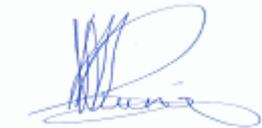
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
15(a)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	64.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

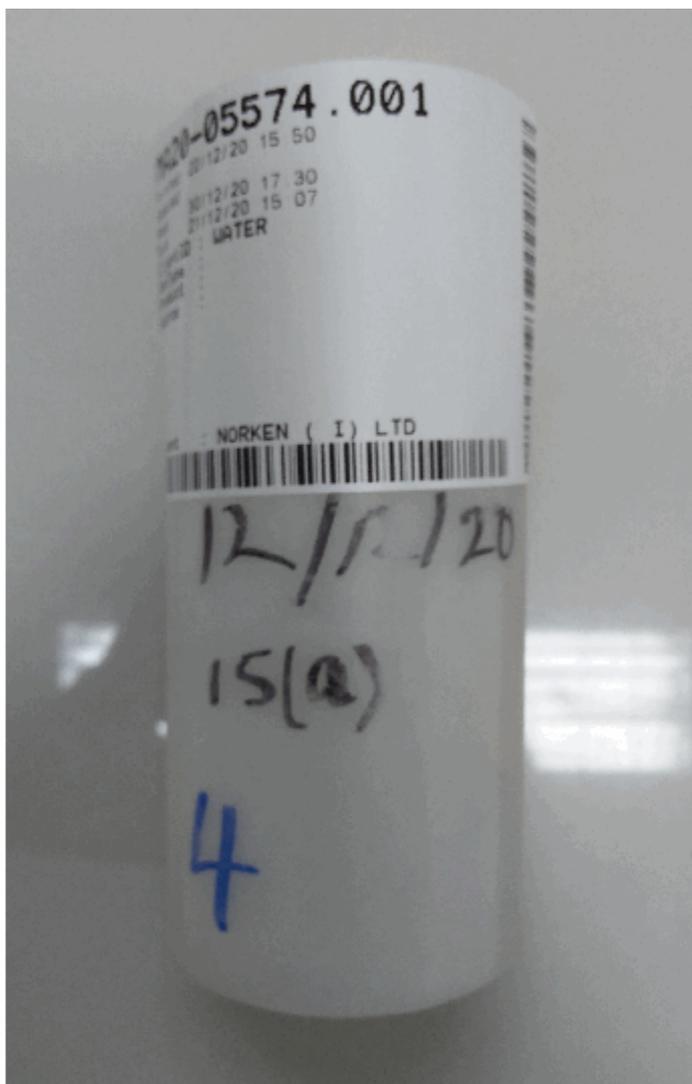
301220201549 0000125364

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201554 0000125364

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

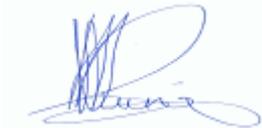
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
15(b)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	76.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

301220201554 0000125364

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

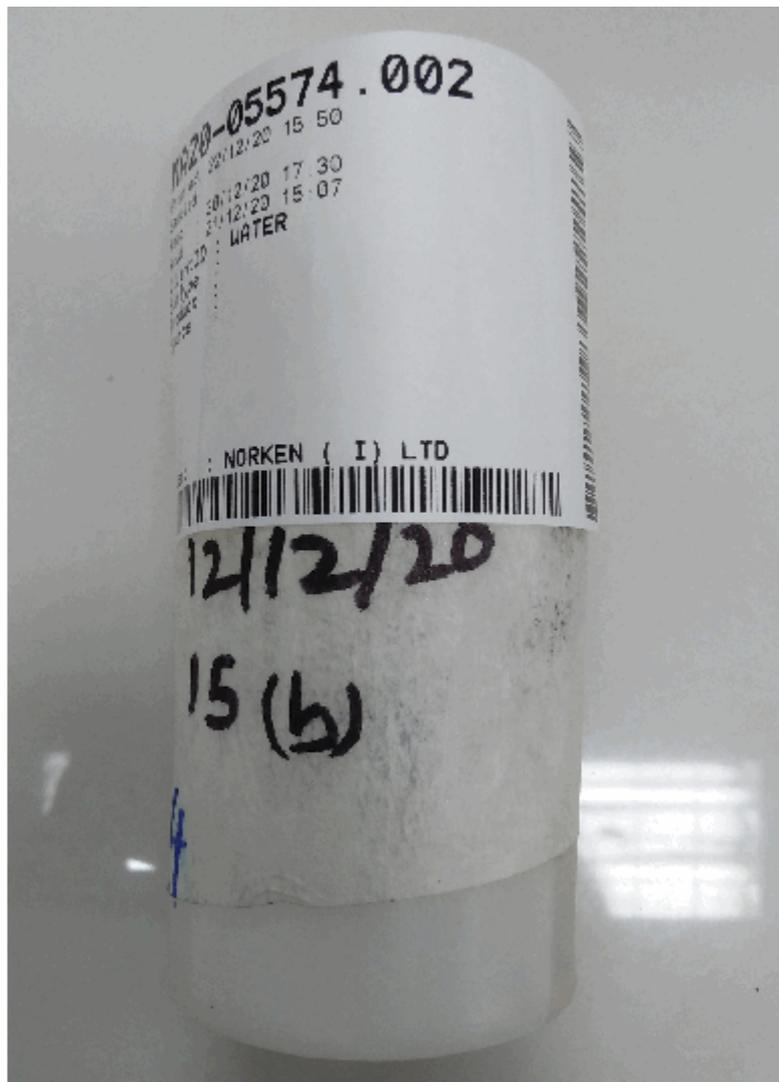
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA20-05574.002

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Ednah Wambui-Chemist

301220201554 0000125364

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05574.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION OF SAMPLE:DELIVERED IN A PLASTIC BOTTLE
 12/12/20
 10(a)

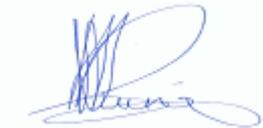
SAMPLING LOCATION:NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	84.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

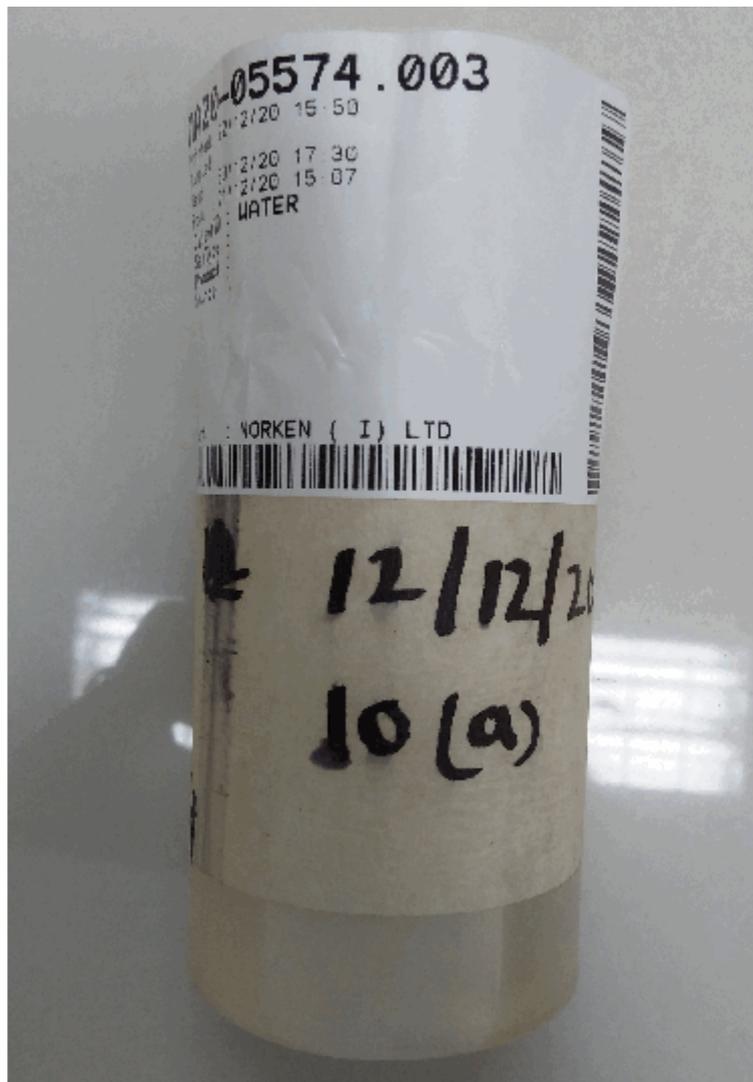
301220201554 0000125364

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201554 0000125364

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

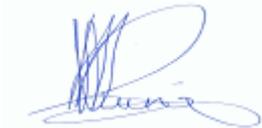
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
12/12/20
10(b)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	88.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

301220201554 0000125364

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

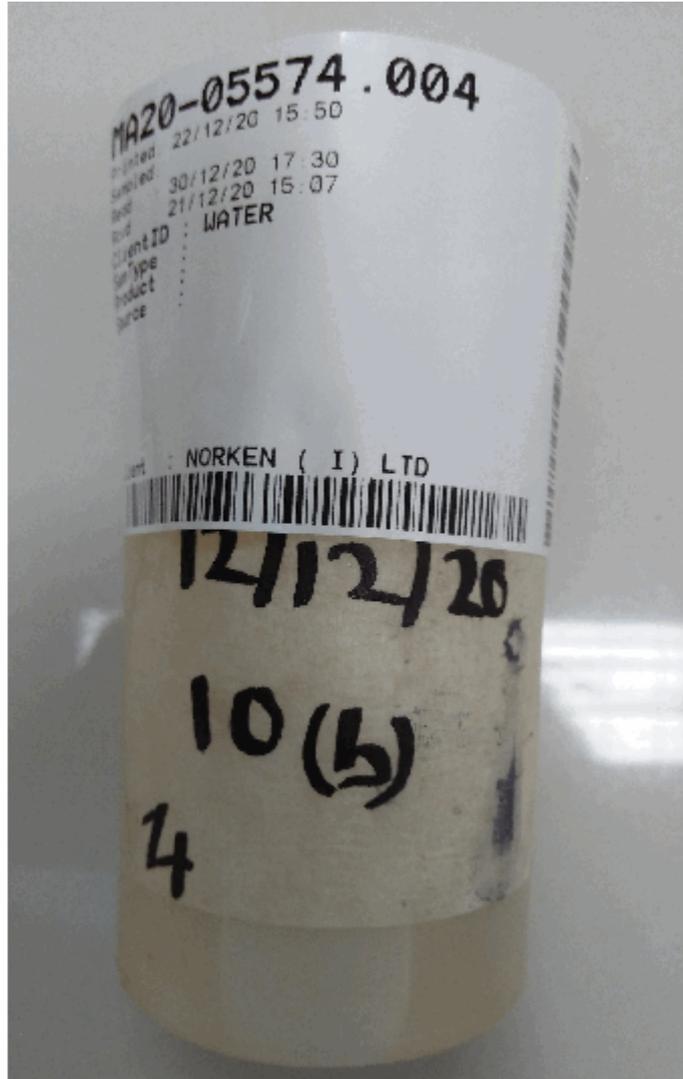
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA20-05574.004

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201554 0000125364

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

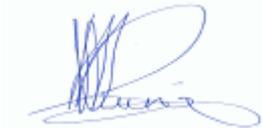
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
5(a)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	92.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

301220201559 0000125365

Page 1 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

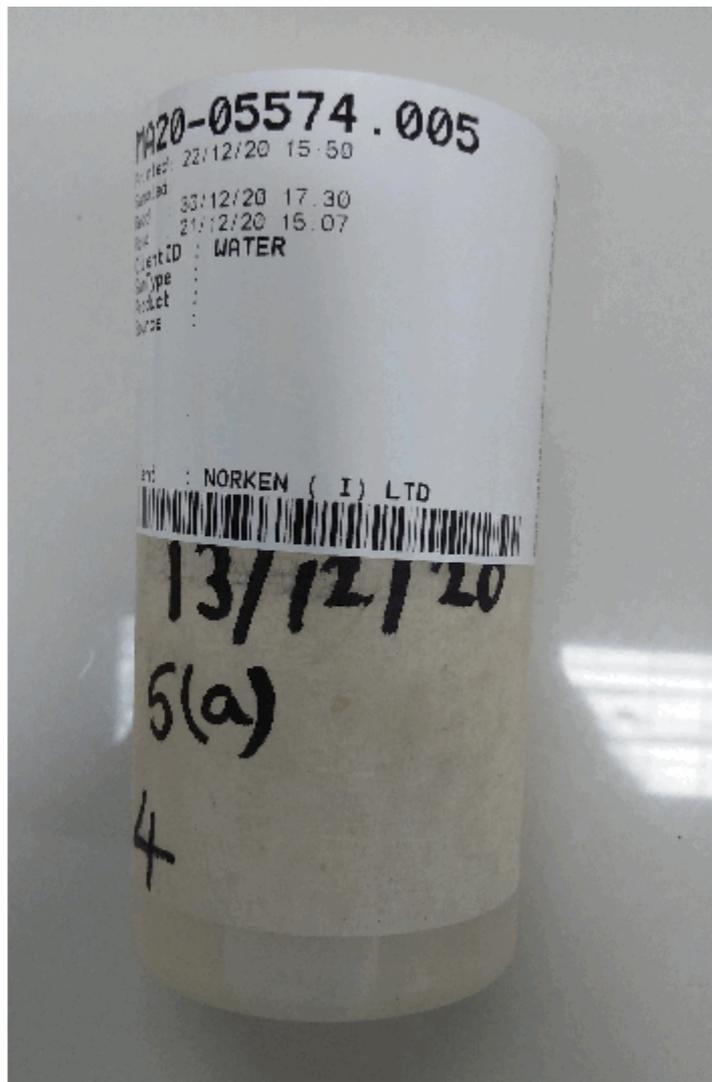
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA20-05574.005

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Ednah Wambui-Chemist

301220201602 0000125365

Page 2 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
5(b)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	108.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

301220201602 0000125365

Page 3 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

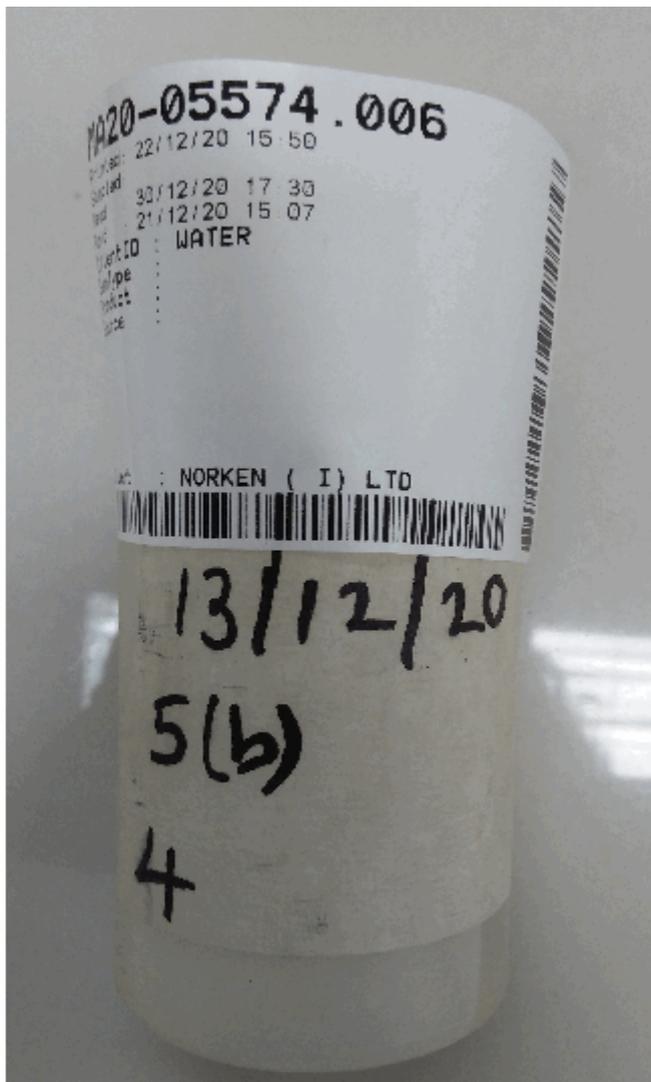
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA20-05574.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201602 0000125365

Page 4 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

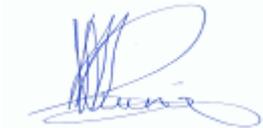
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
B+(a)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	128.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

301220201602 0000125365

Page 5 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

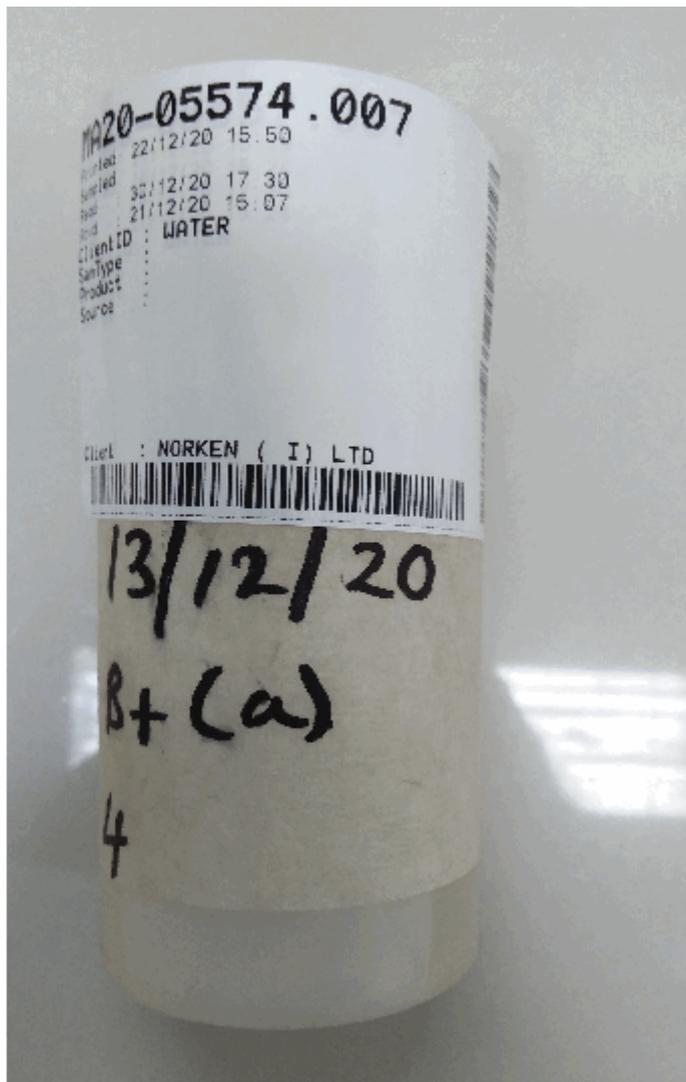
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA20-05574.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201602 0000125365

Page 6 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

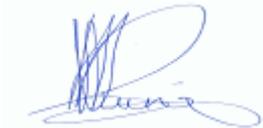
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
13/12/20
B+(b)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	140.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

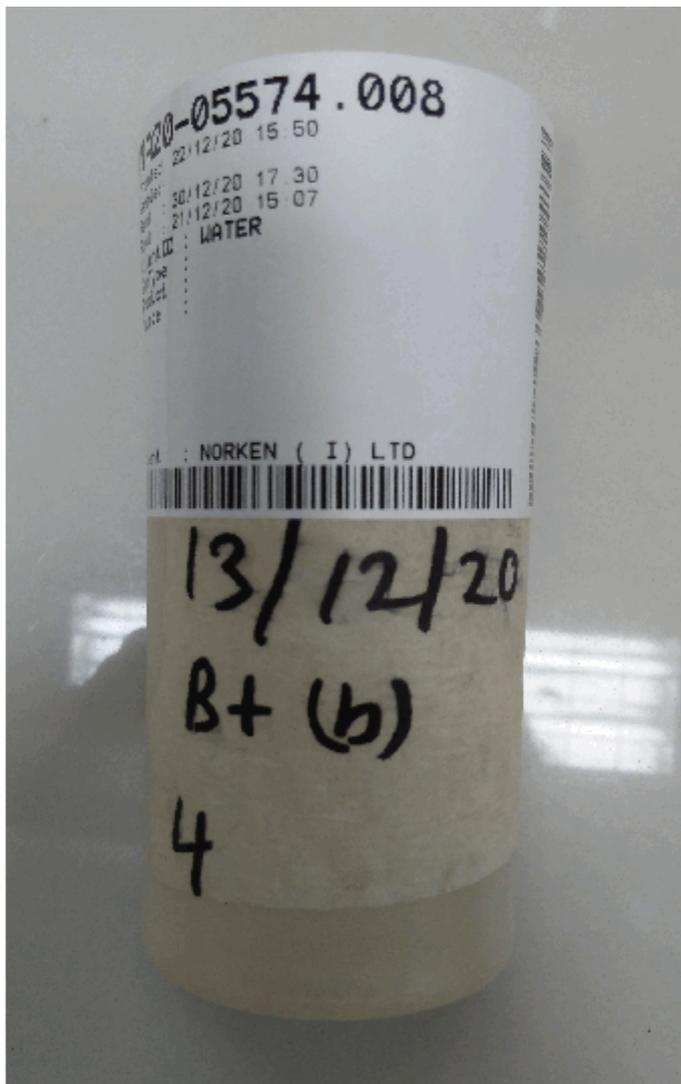
301220201602 0000125365

Page 7 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.008

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Ednah Wambui-Chemist

301220201602 0000125365

Page 8 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

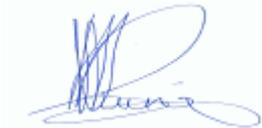
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(a)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	260.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

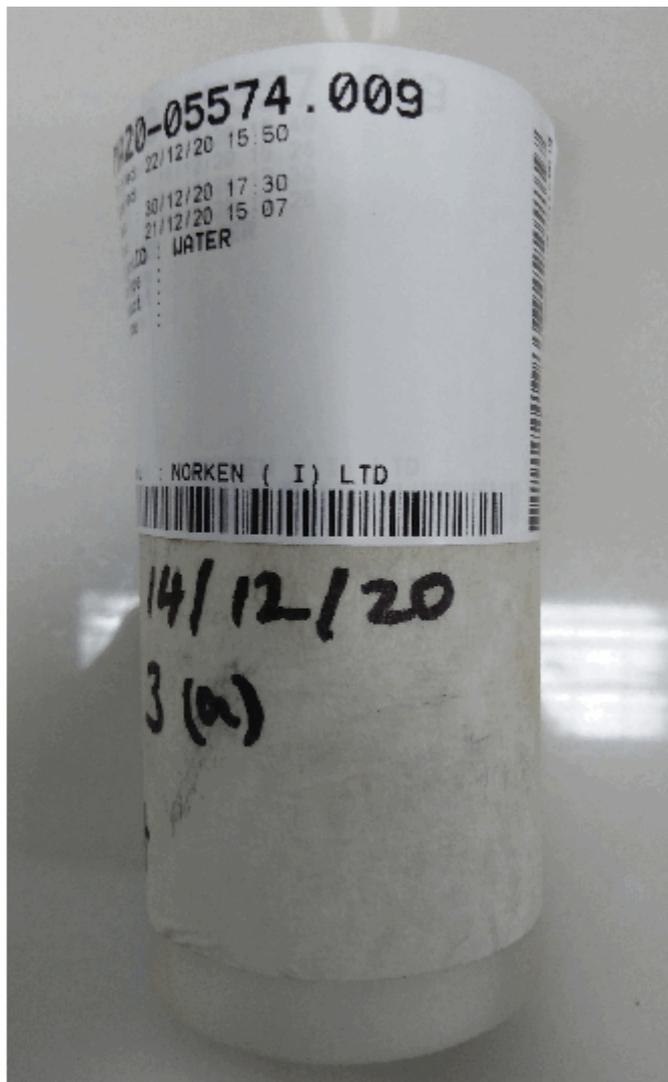
301220201602 0000125365

Page 9 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.009

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201602 0000125365

Page 10 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

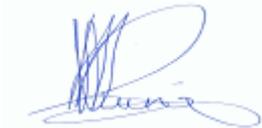
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
3(b)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	244.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

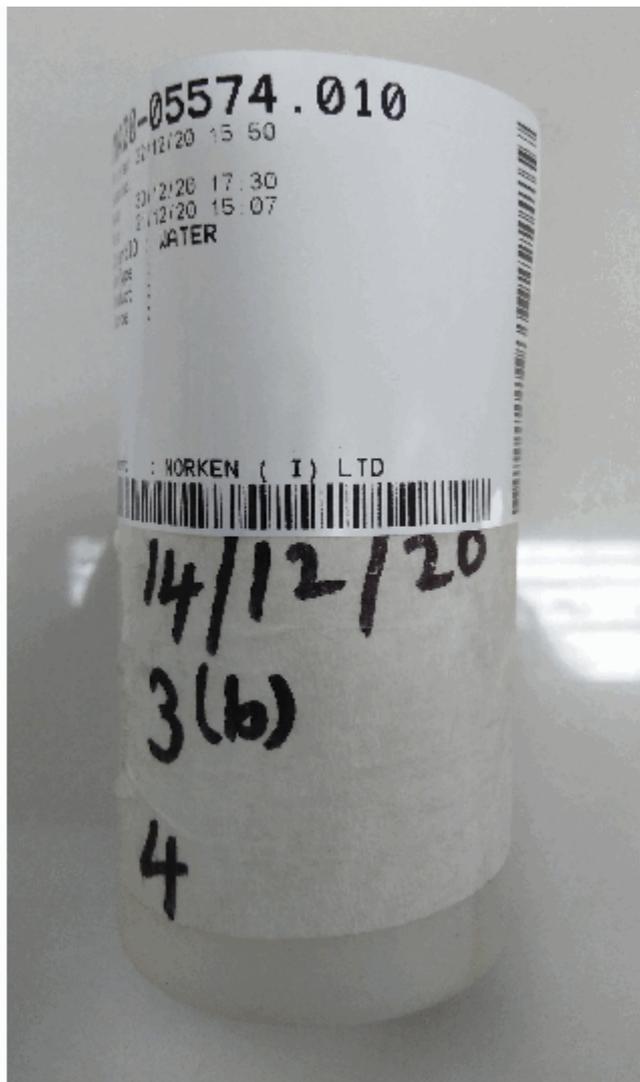
301220201605 0000125366

Page 1 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201609 0000125366

Page 2 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
B3(a)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	204.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

301220201609 0000125366

Page 3 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

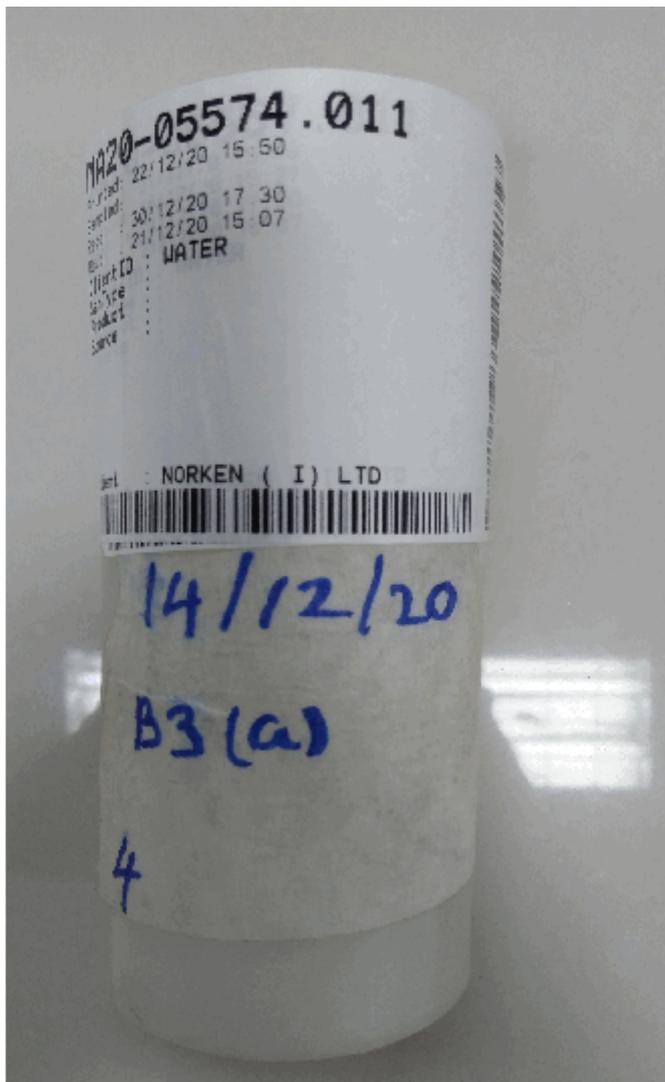
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA20-05574.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201609 0000125366

Page 4 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

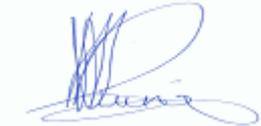
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
14/12/20
B3(b)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	192.00	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

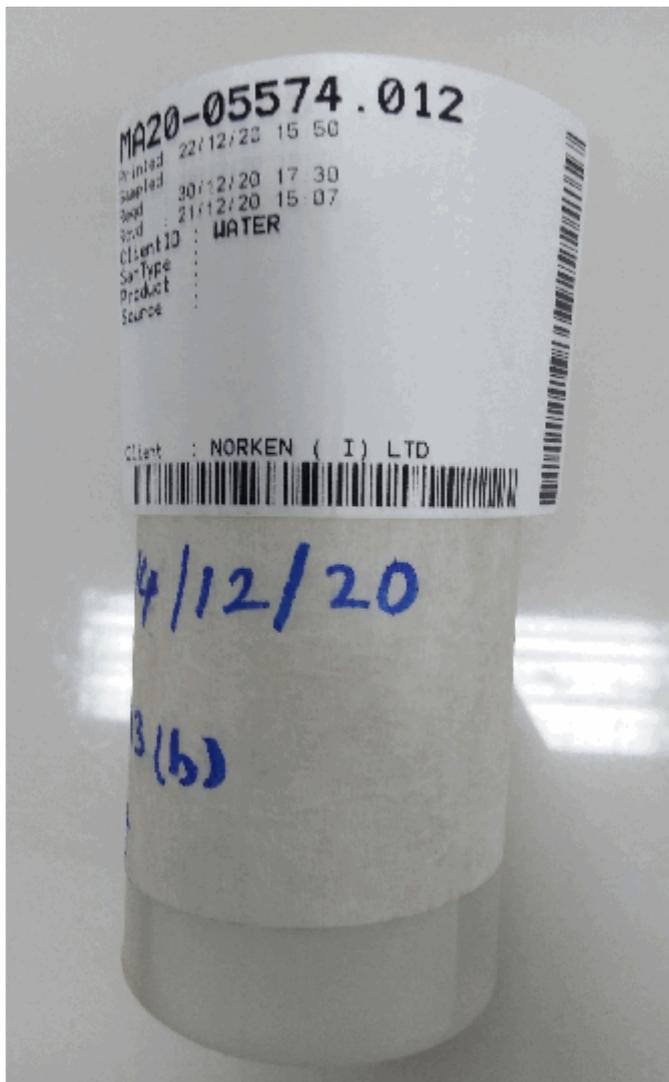
301220201609 0000125366

Page 5 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201609 0000125366

Page 6 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(a)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	112.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

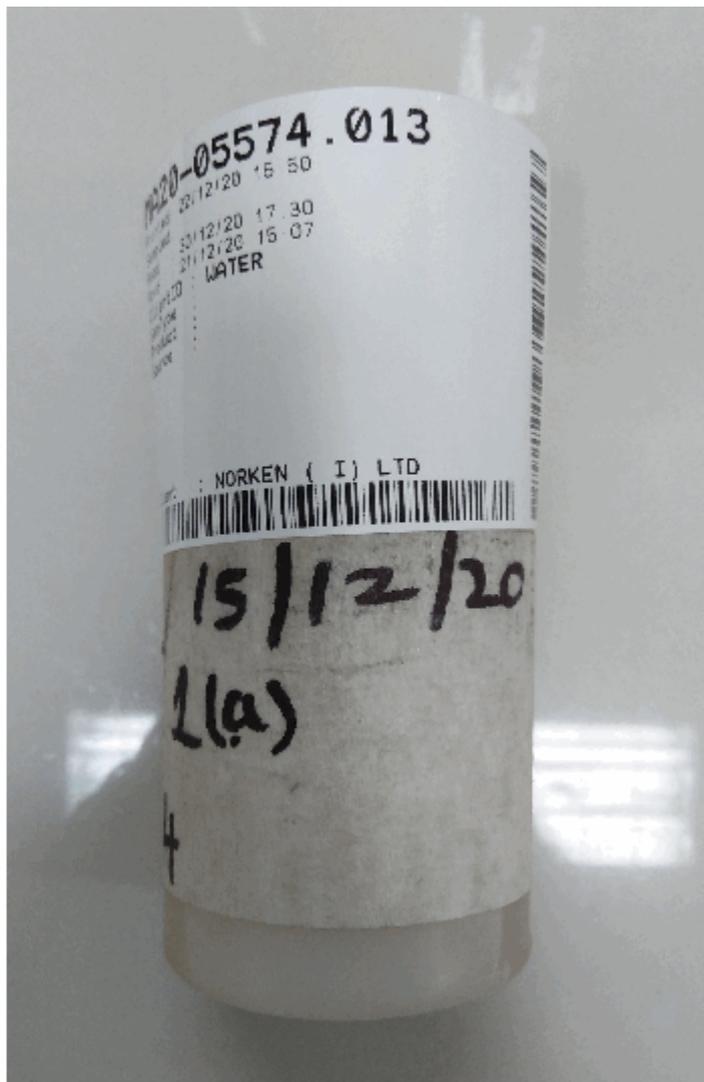
301220201609 0000125366

Page 7 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201609 0000125366

Page 8 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05574.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
15/12/20
1(b)

SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	132.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

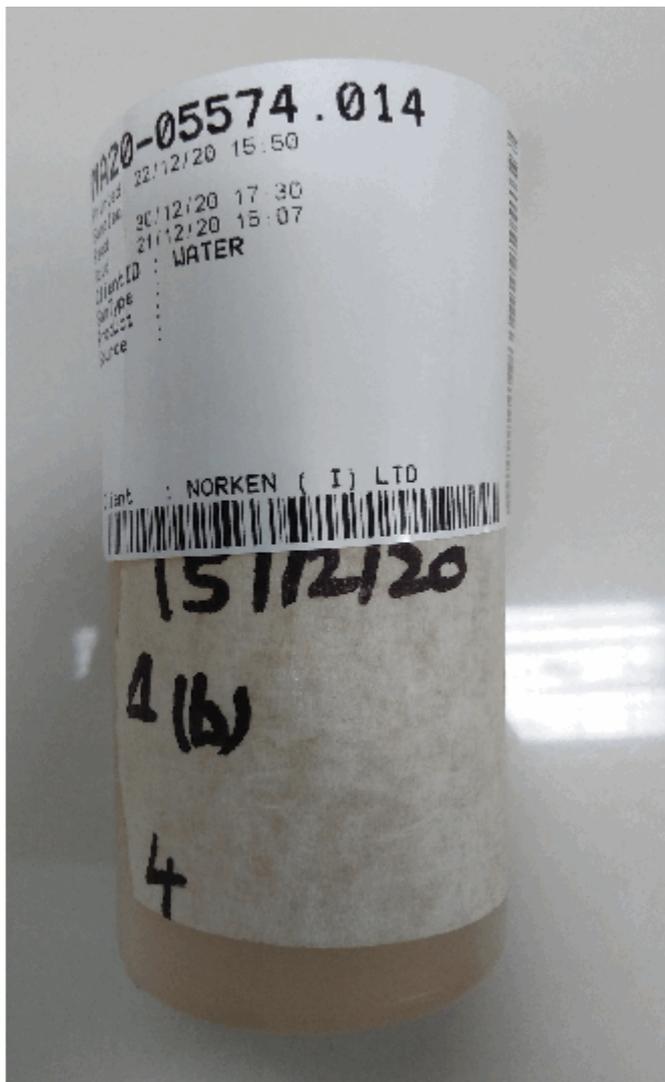
301220201609 0000125366

Page 9 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201609 0000125366

Page 10 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 30/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05574.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 30/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 FB

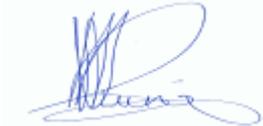
SAMPLING LOCATION: NAIROBI

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	60.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

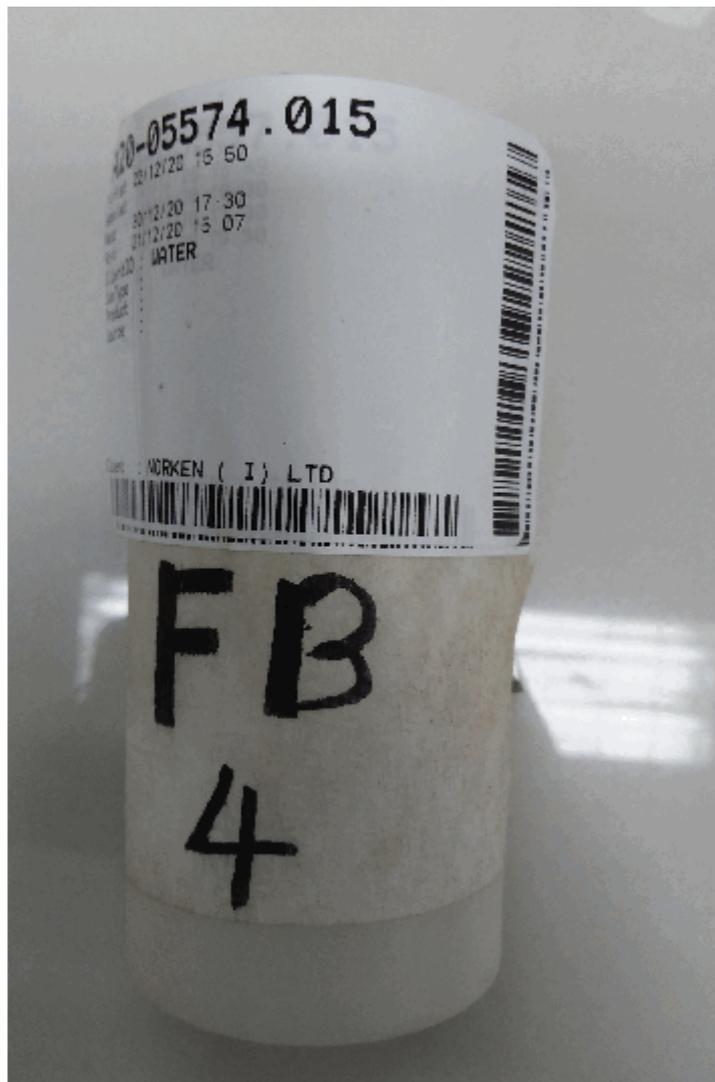
301220201609 0000125366

Page 11 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05574.015

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

301220201609 0000125366

Page 12 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S60
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	56.22	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

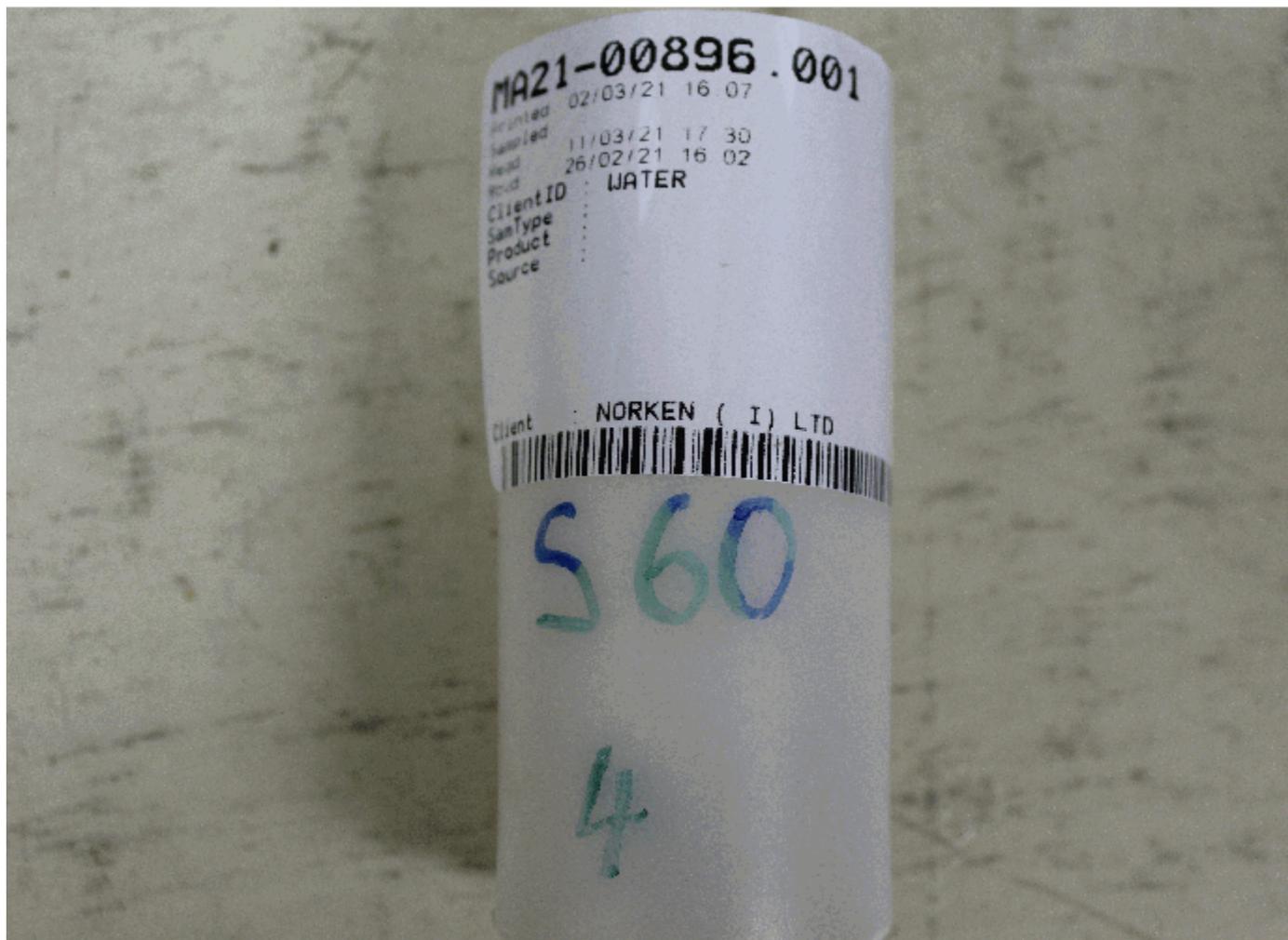
110320211210 0000127002

Page 1 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

110320211217 0000127002

Page 2 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S24
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	8.03	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

110320211217 0000127002

Page 3 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

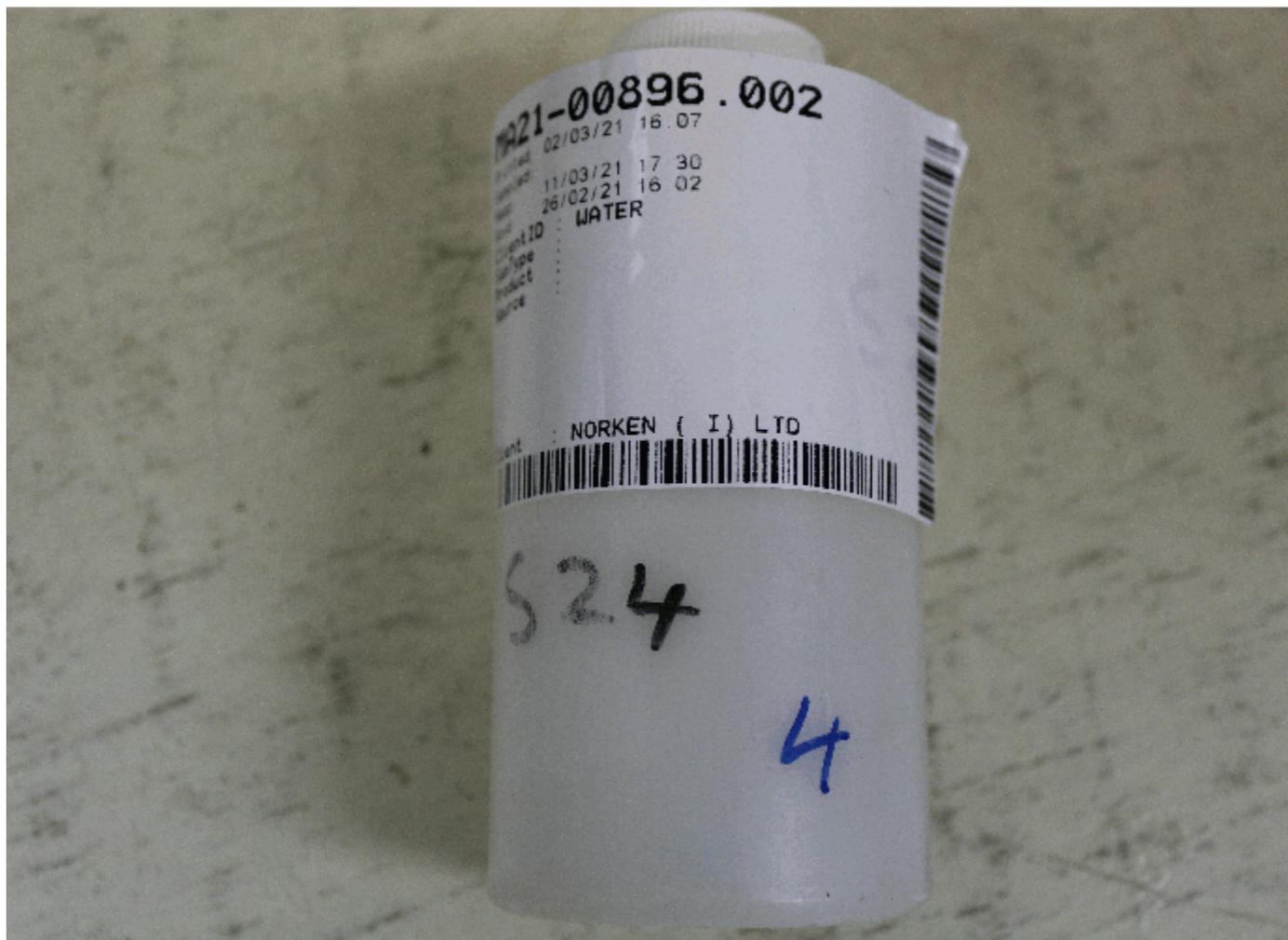
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00896.002

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211217 0000127002

Page 4 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S36
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	16.06	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

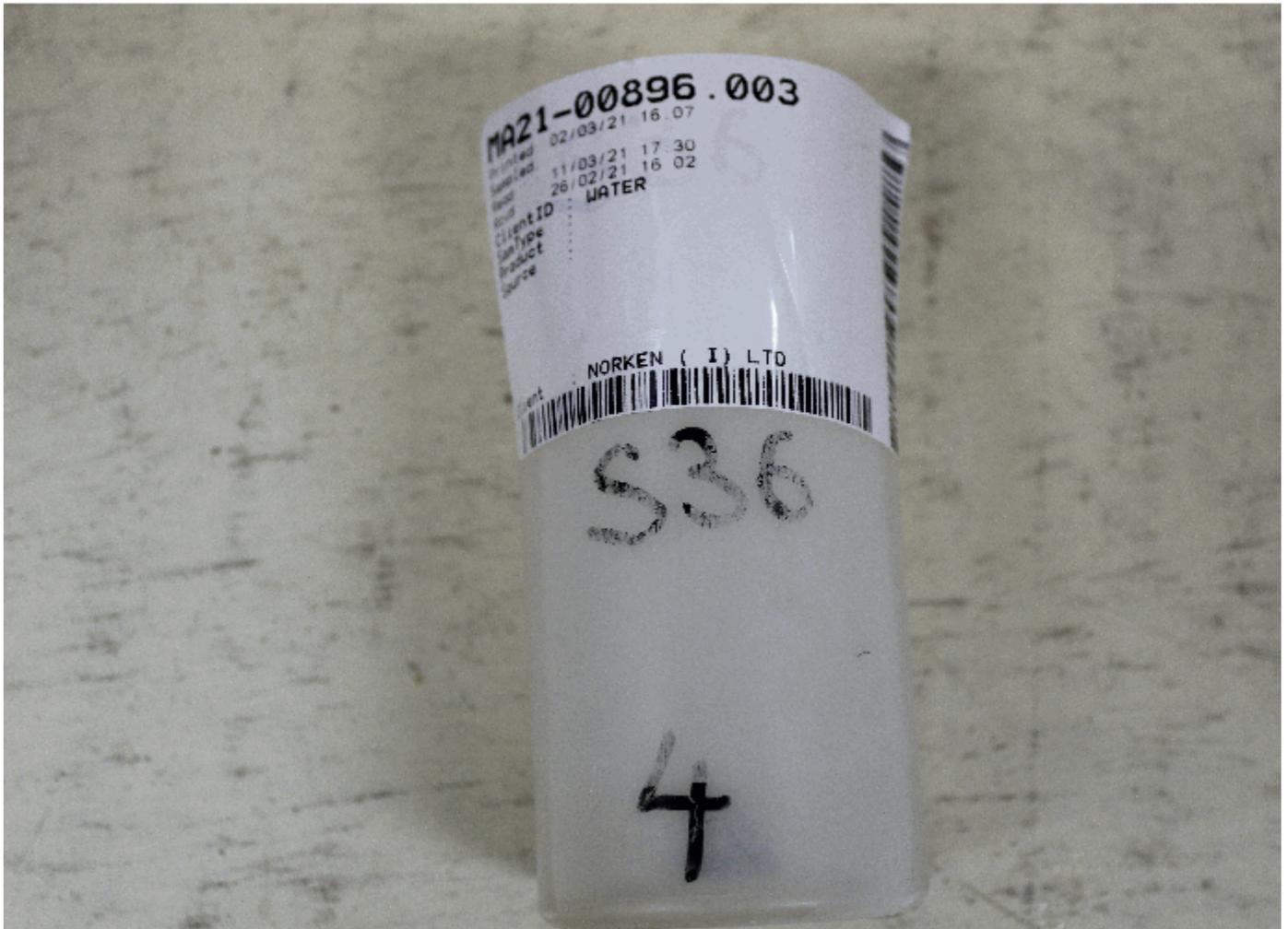
110320211217 0000127002

Page 5 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.003

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211217 0000127002

Page 6 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S97
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	8.03	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

110320211217 0000127002

Page 7 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

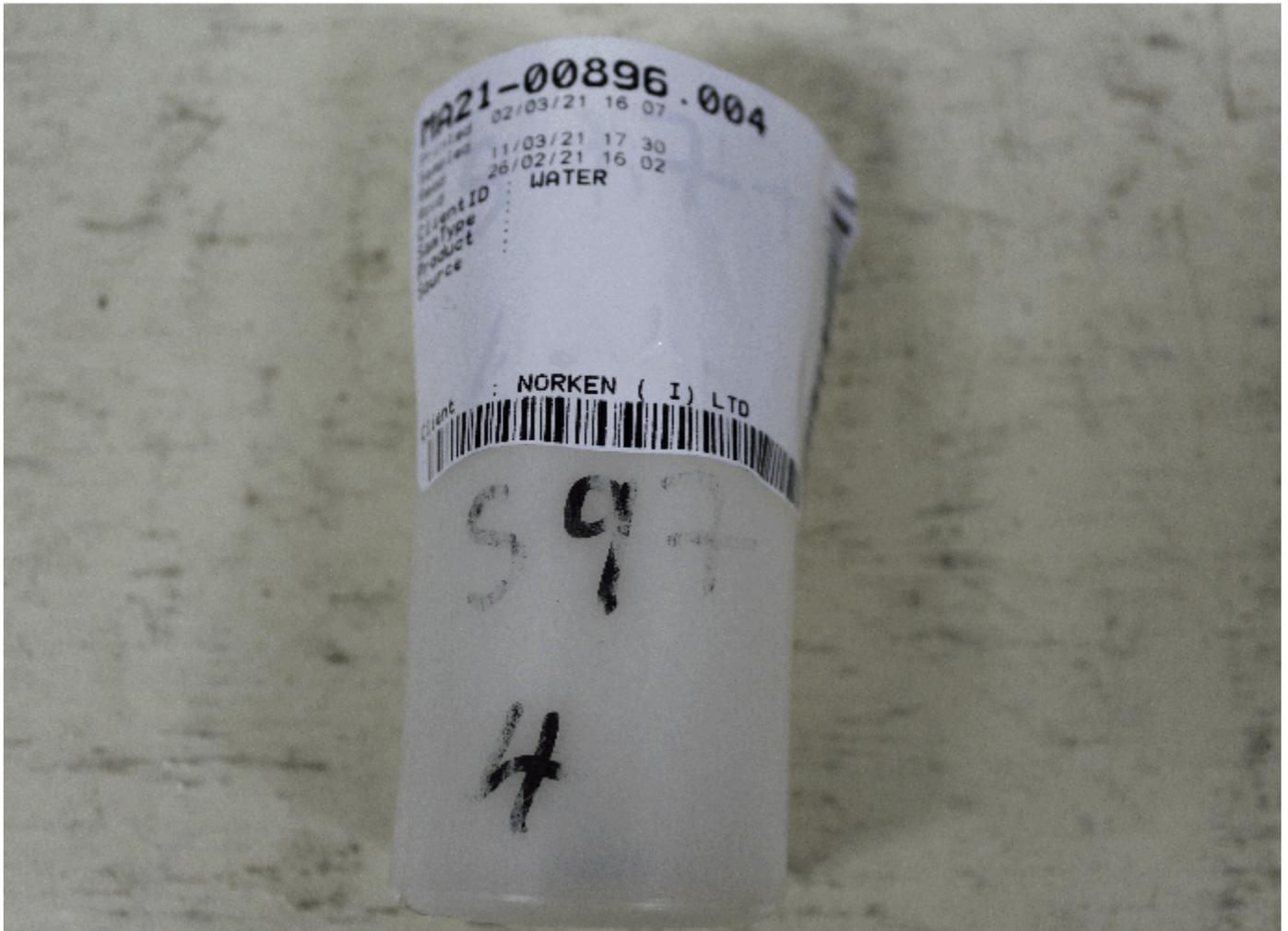
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00896.004

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211217 0000127002

Page 8 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S49
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	24.10	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

110320211217 0000127002

Page 9 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

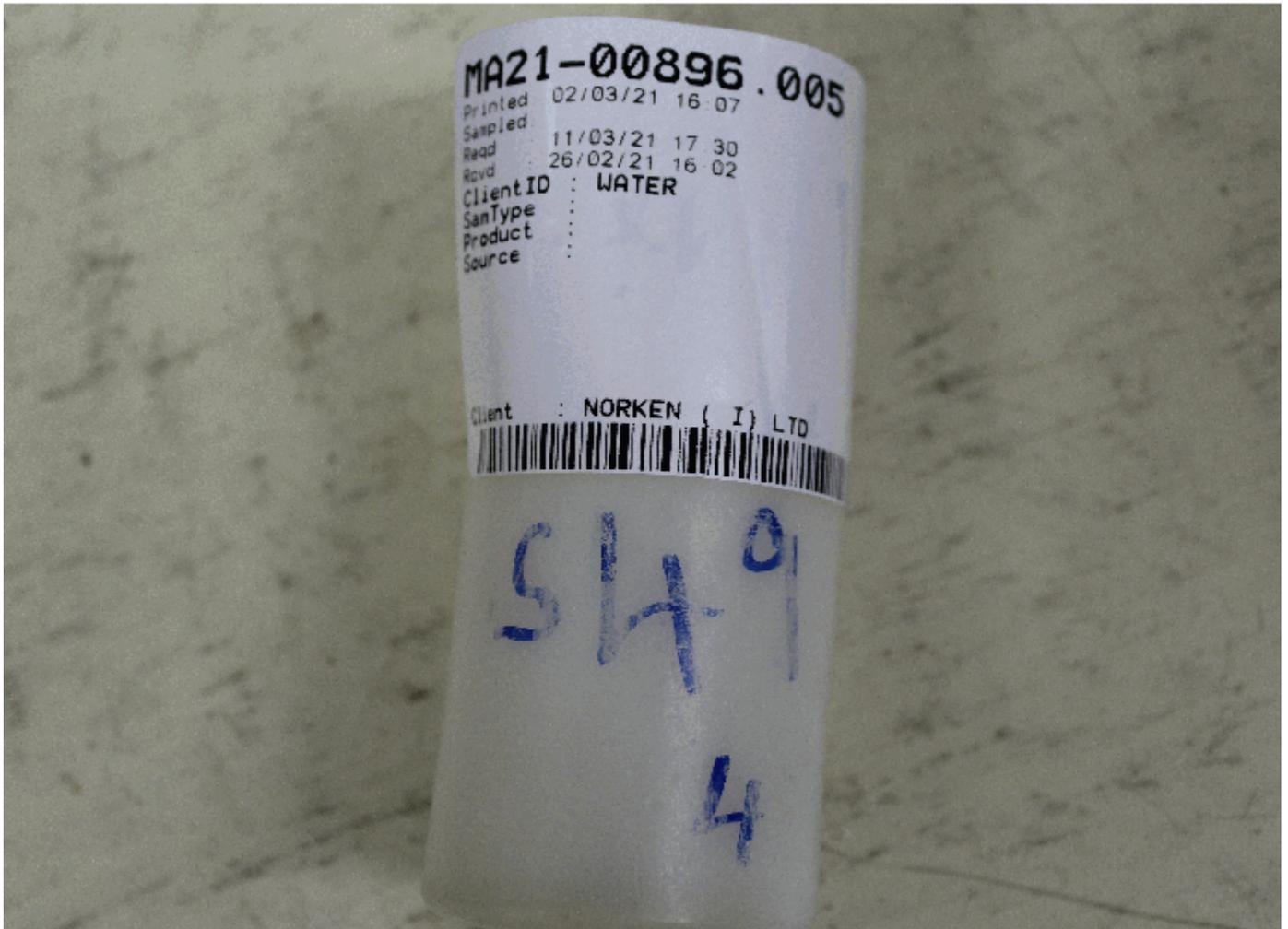
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00896.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

110320211217 0000127002

Page 10 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00896.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

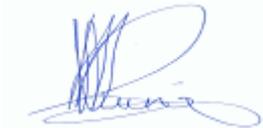
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S18
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	56.22	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

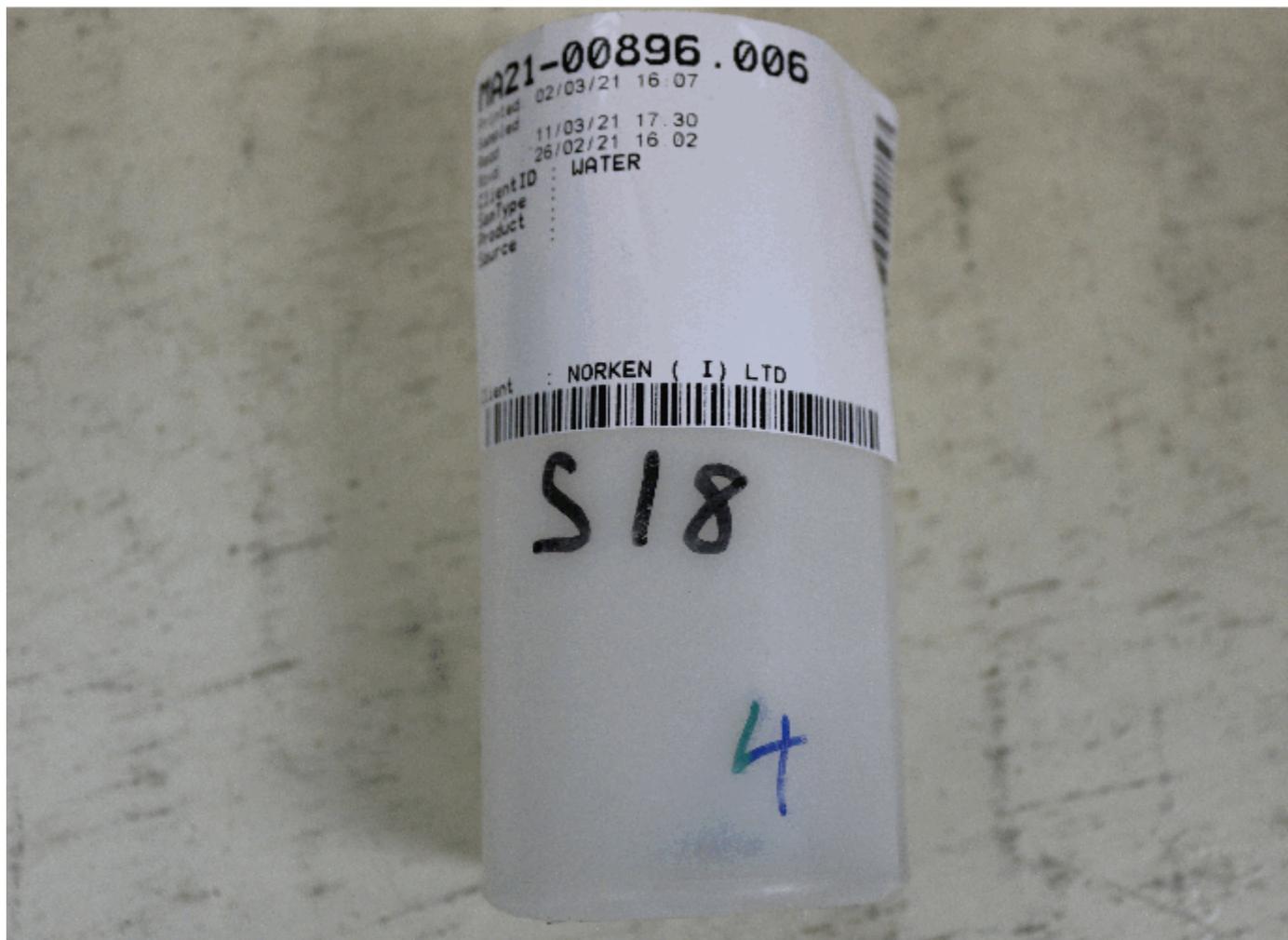
110320211217 0000127002

Page 11 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.006

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211217 0000127002

Page 12 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S4
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	16.06	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

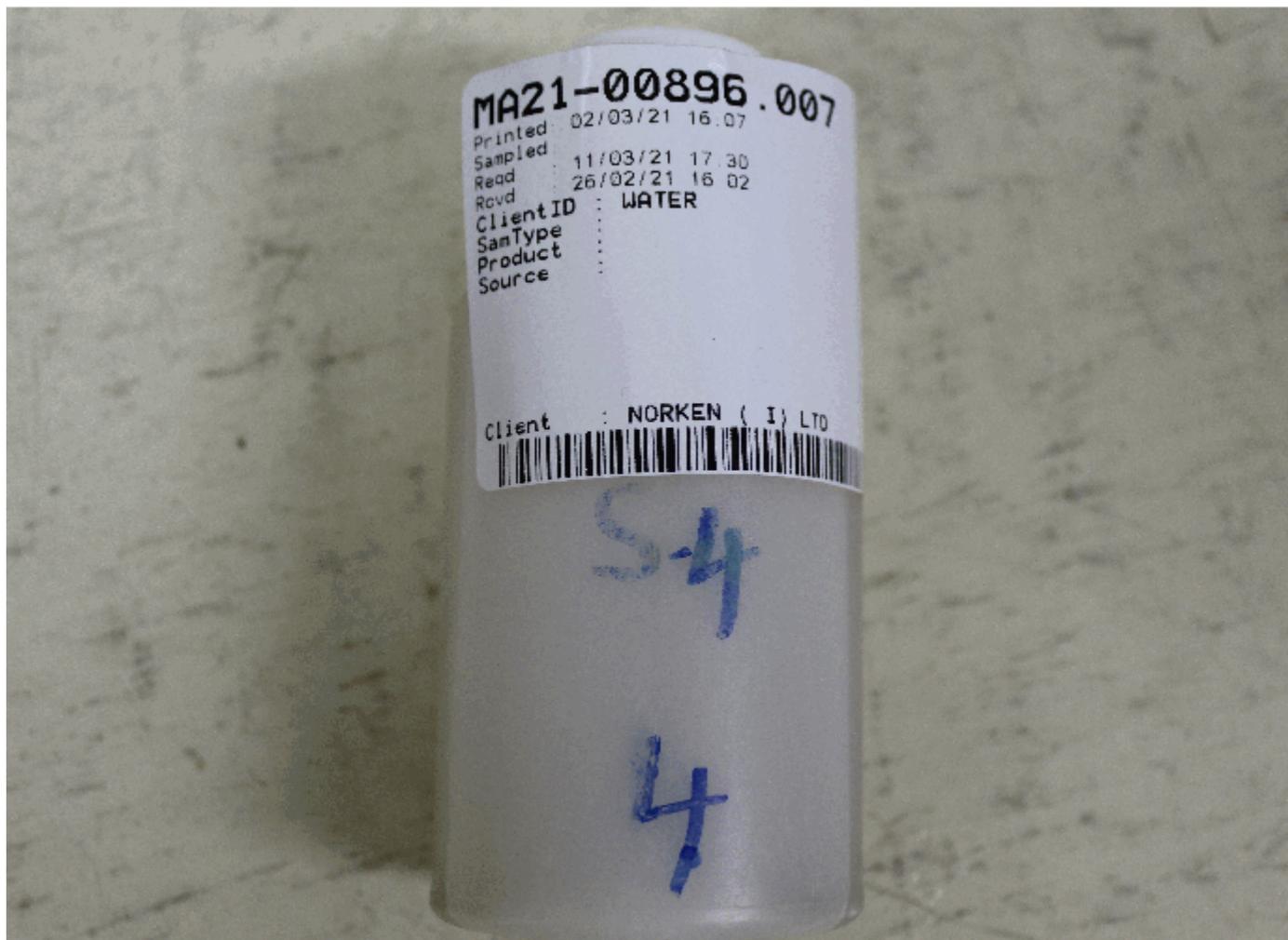
110320211217 0000127002

Page 13 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.007

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

110320211217 0000127002

Page 14 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S12
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	112.45	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

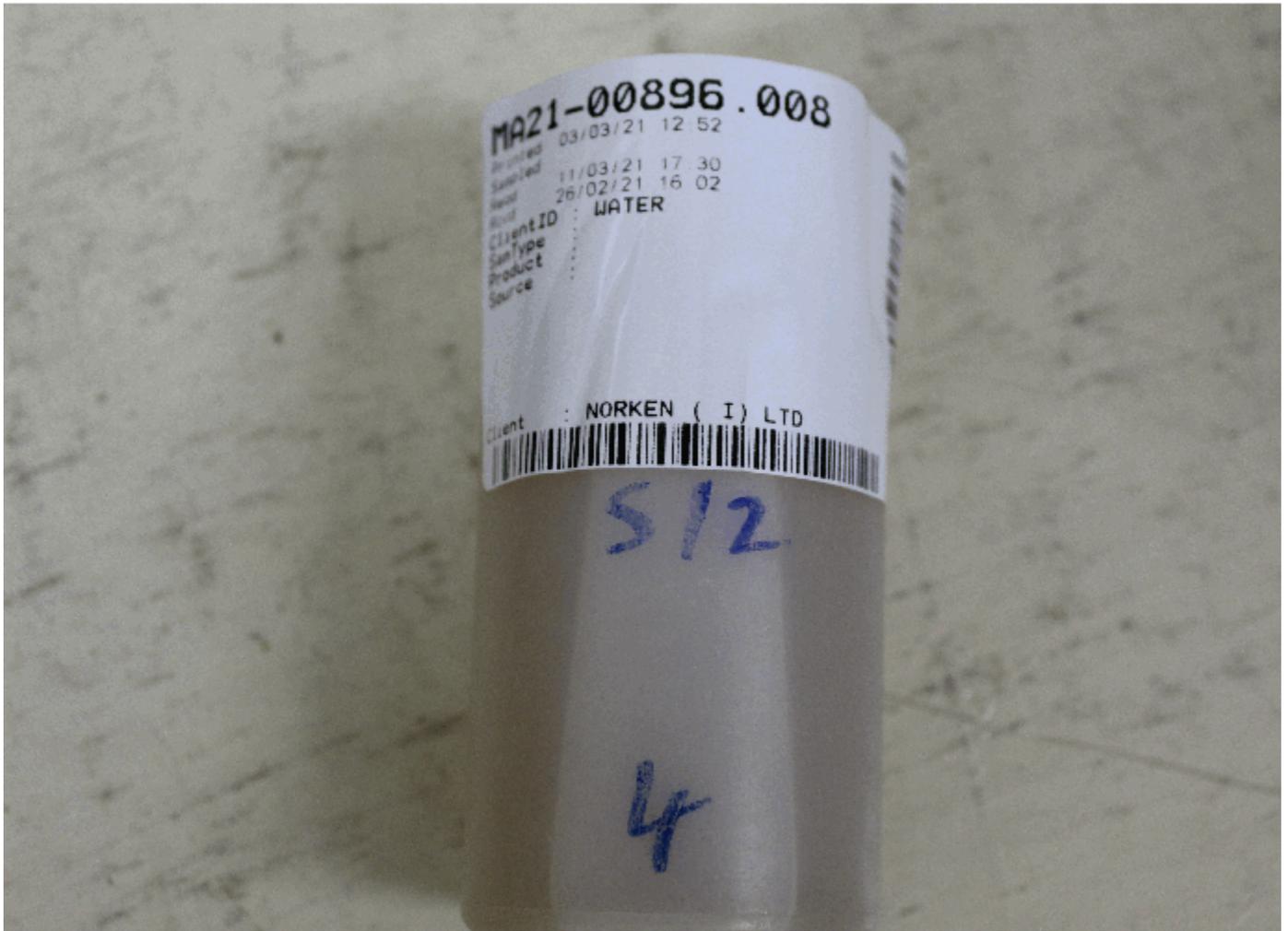
110320211226 0000127003

Page 1 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.008

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211232 0000127003

Page 2 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S88
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	48.19	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

110320211232 0000127003

Page 3 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

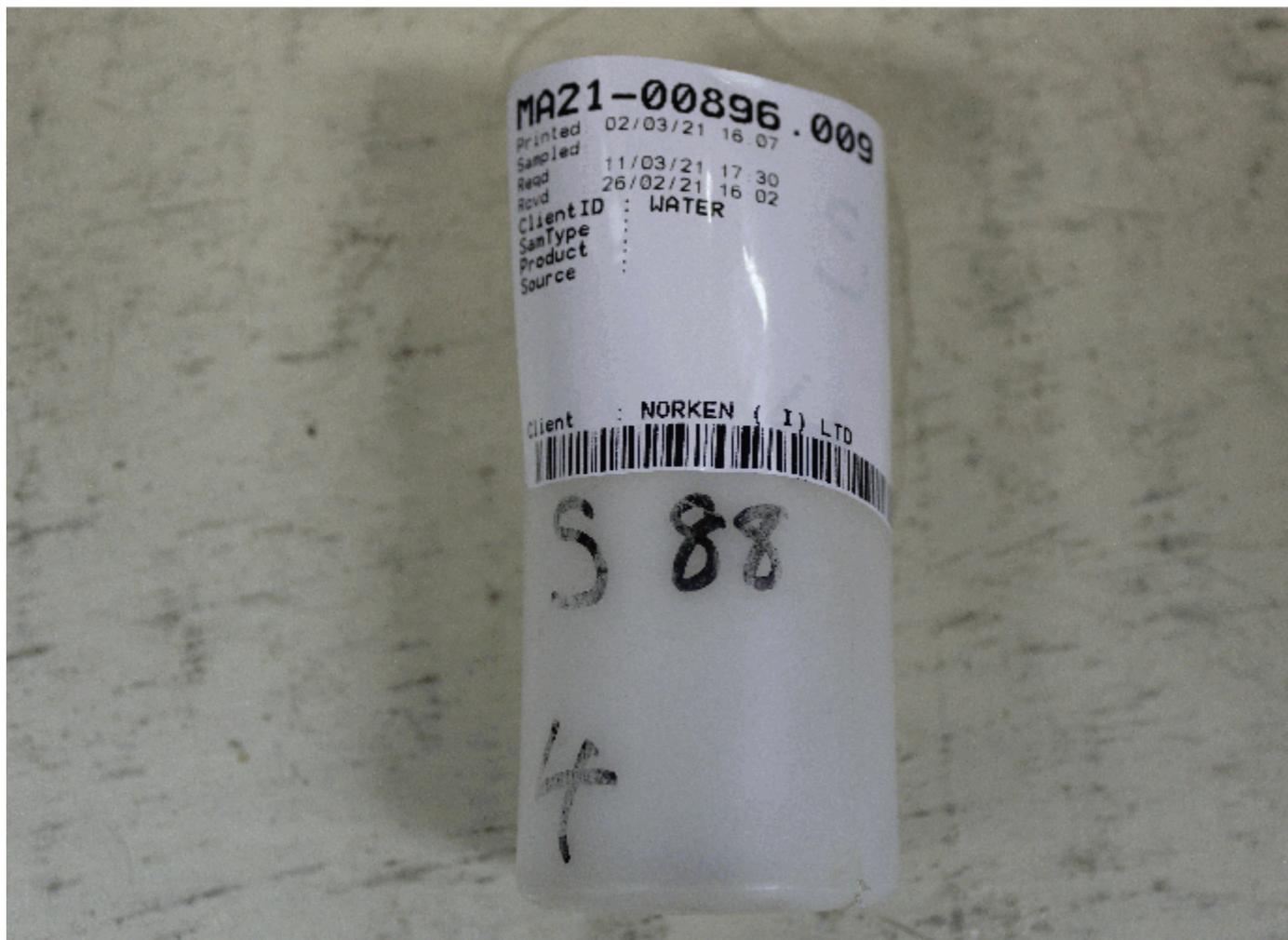
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00896.009

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211232 0000127003

Page 4 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S67
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	40.16	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

110320211232 0000127003

Page 5 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

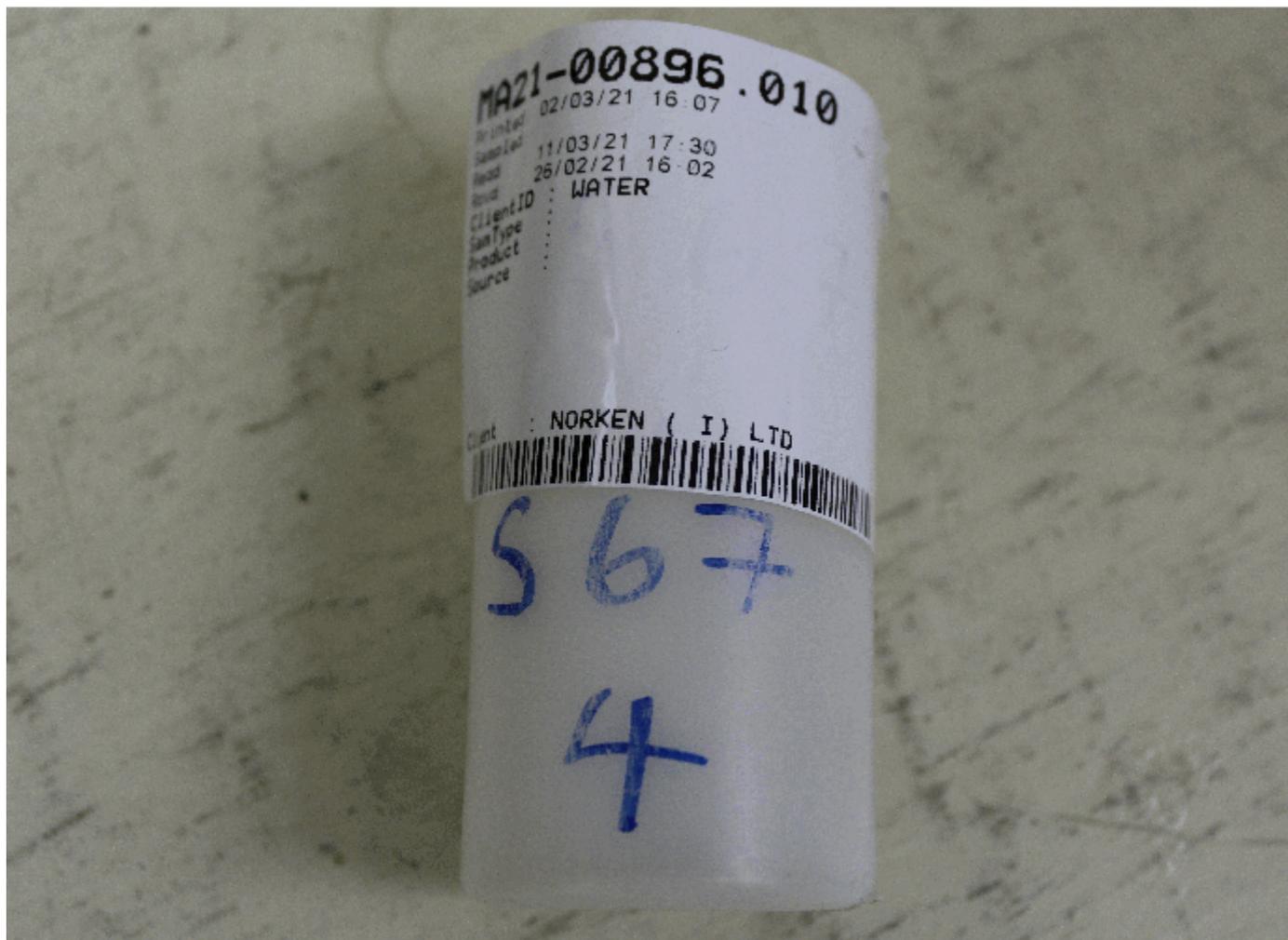
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00896.010

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211232 0000127003

Page 6 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S55
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	48.19	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

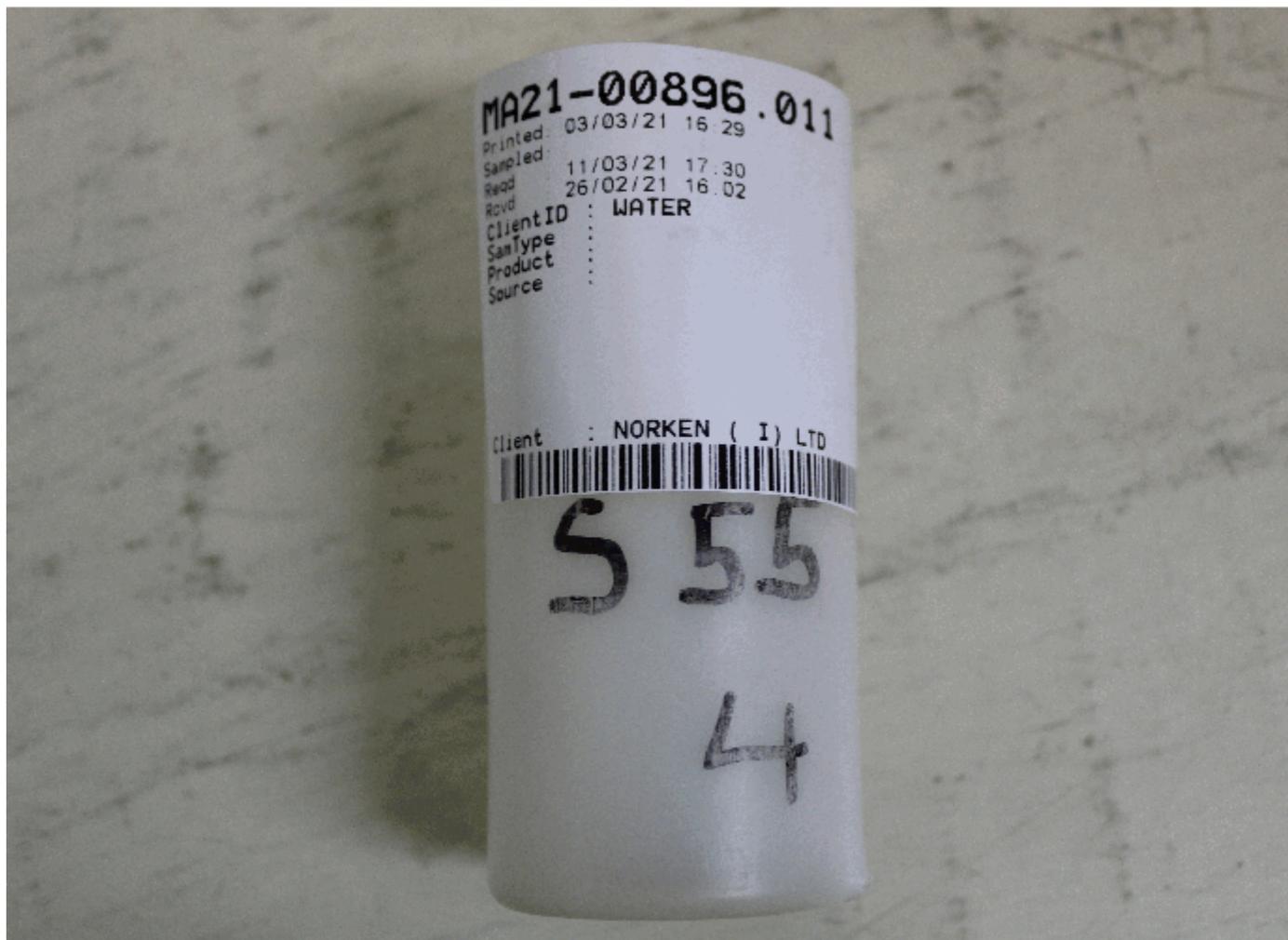
110320211232 0000127003

Page 7 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.011

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211232 0000127003

Page 8 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S78
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	32.13	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

110320211232 0000127003

Page 9 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

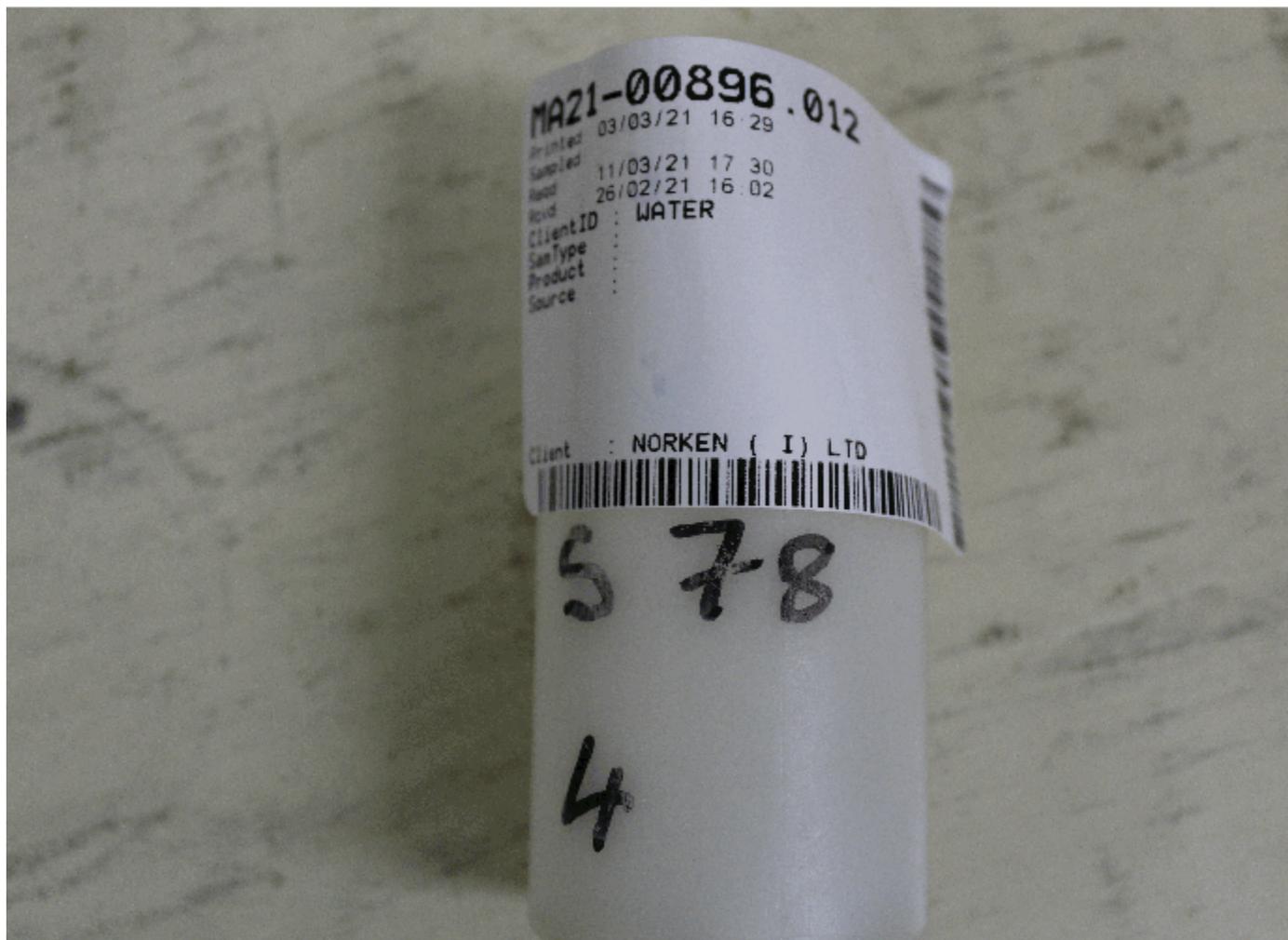
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00896.012

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211232 0000127003

Page 10 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00896.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

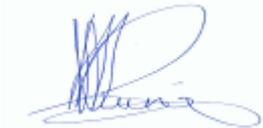
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 S72
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	64.26	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

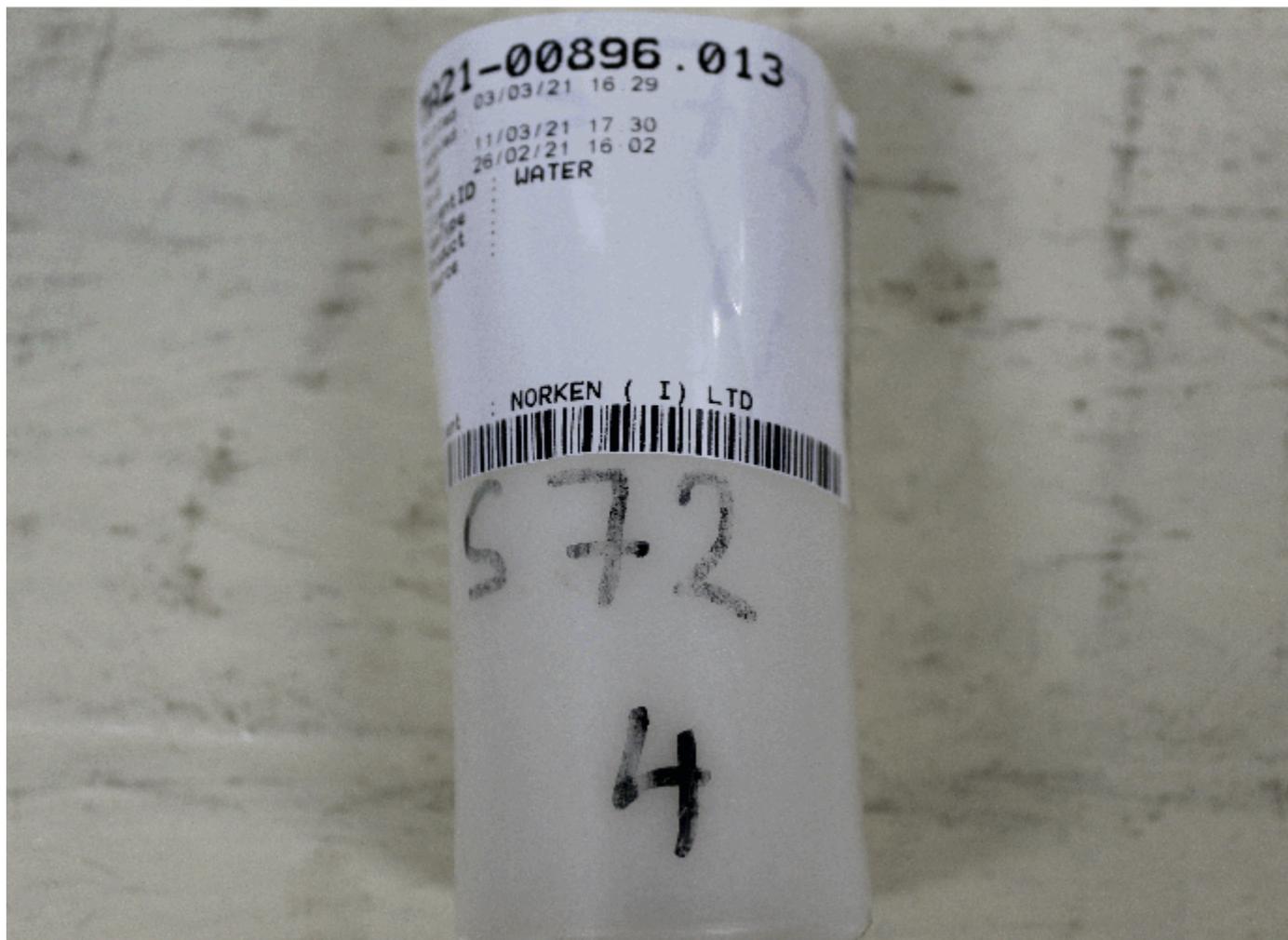
110320211232 0000127003

Page 11 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.013

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211232 0000127003

Page 12 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00896.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 01/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

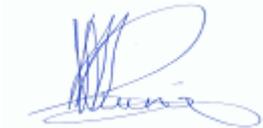
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
S30
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	32.13	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist

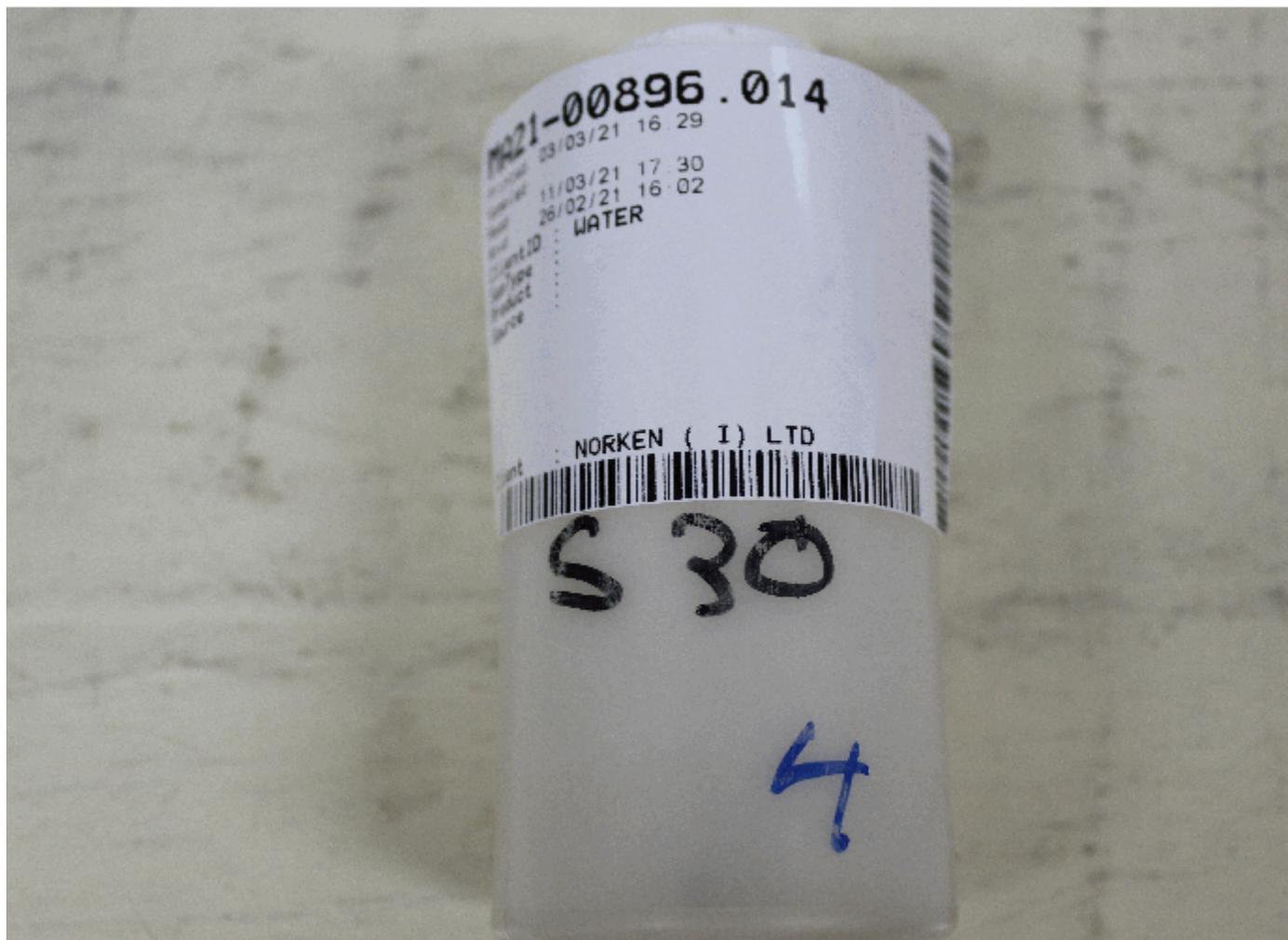
110320211232 0000127003

Page 13 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00896.014

****End of Analytical Results****

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

110320211232 0000127003

Page 14 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
130
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	56.25	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

110320211338 0000127021

Page 1 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

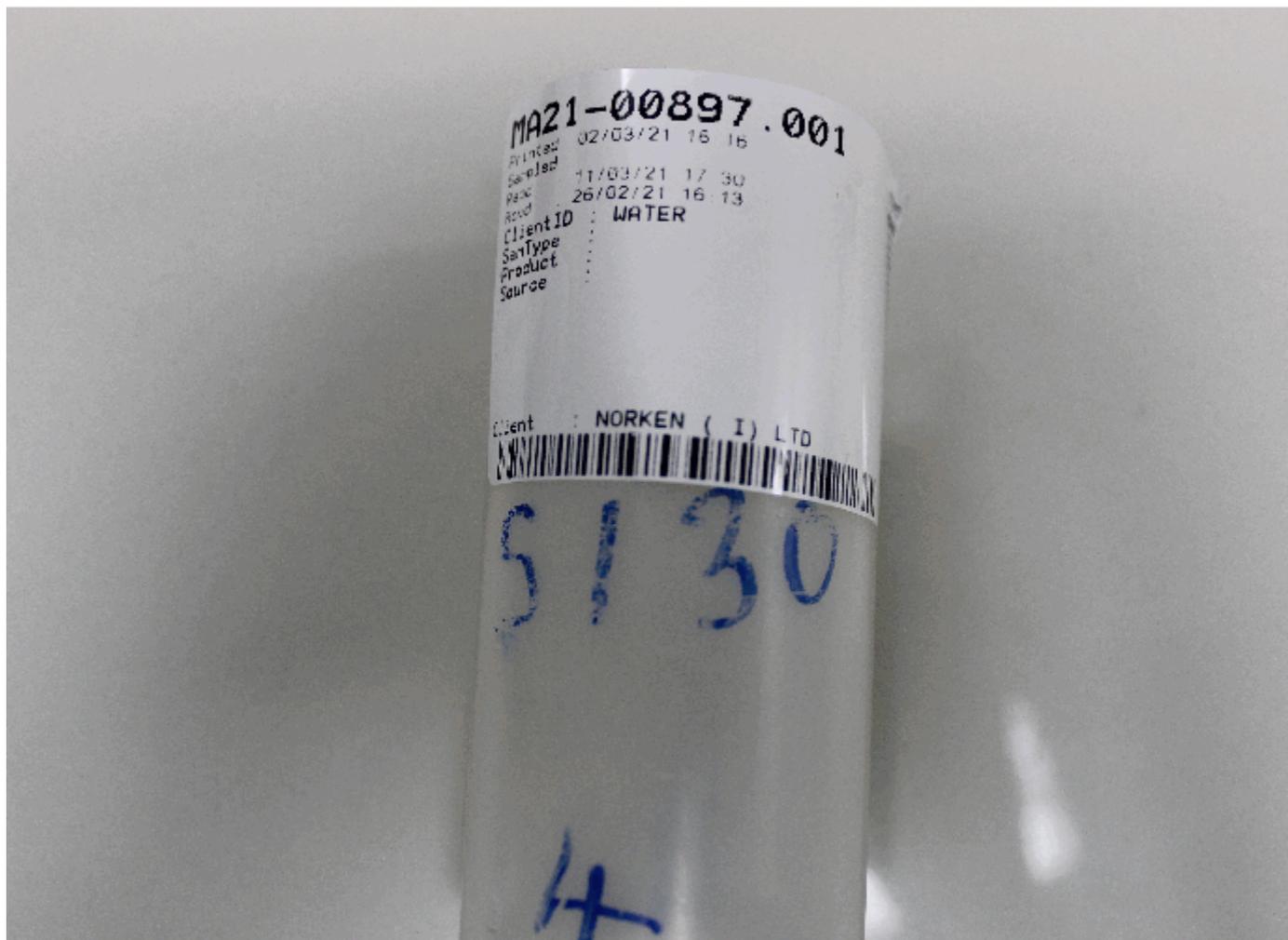
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00897.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211348 0000127021

Page 2 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

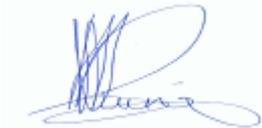
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
155
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	16.07	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

110320211348 0000127021

Page 3 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

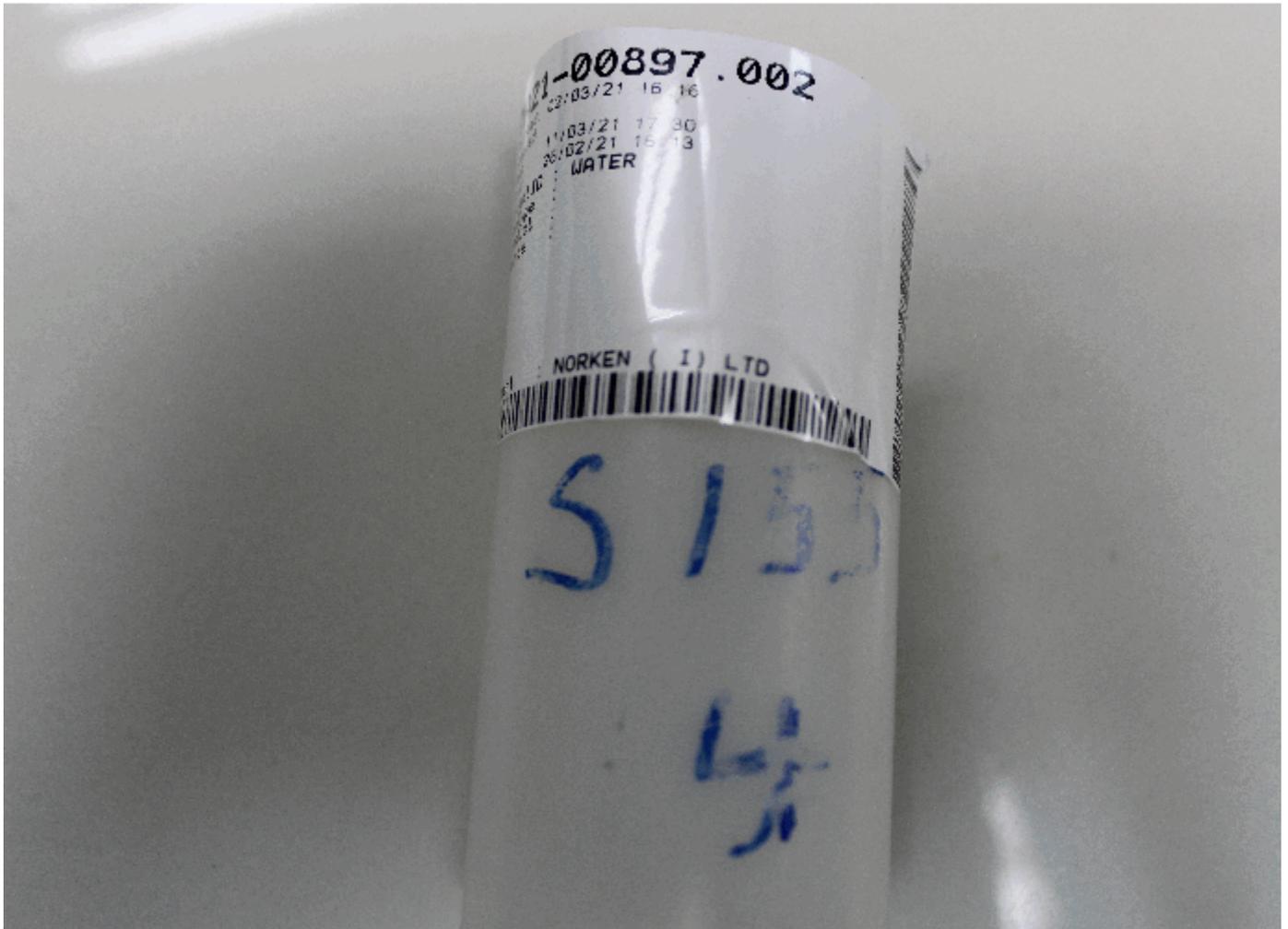
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00897.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211348 0000127021

Page 4 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00897.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

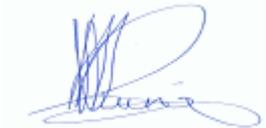
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 109
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	40.18	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

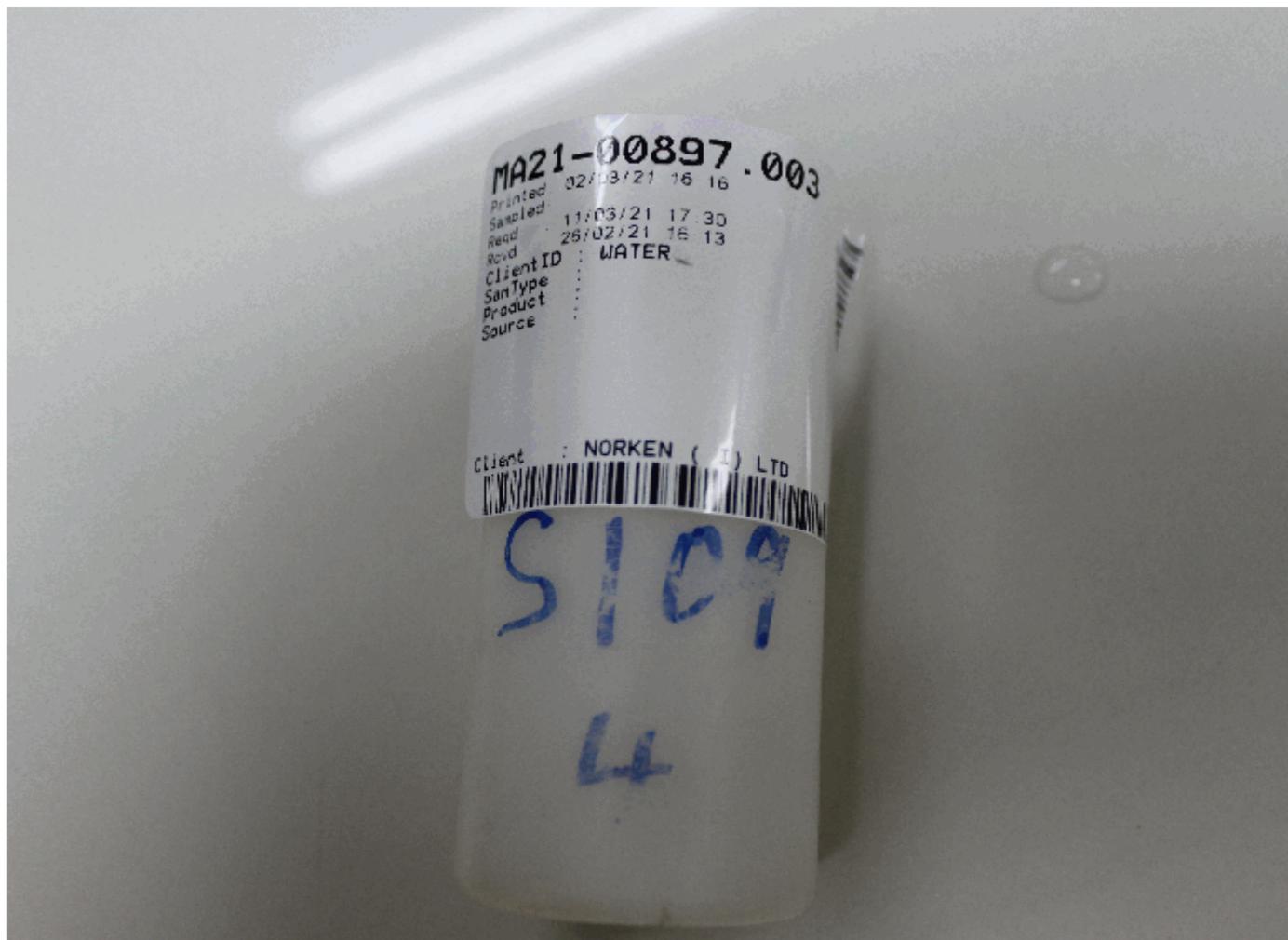
110320211348 0000127021

Page 5 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.003

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Ednah Wambui-Chemist

110320211348 0000127021

Page 6 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
126
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	16.07	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

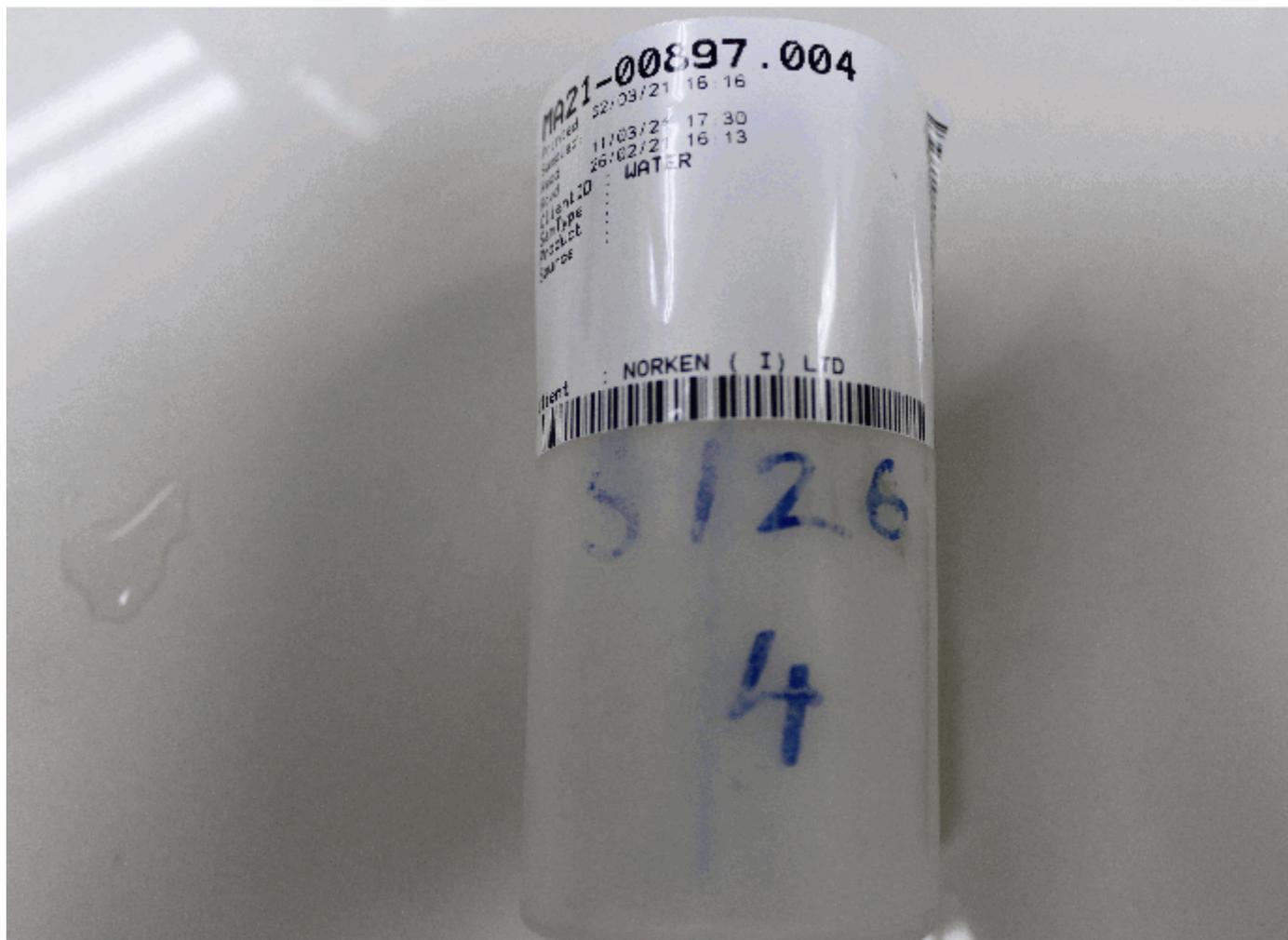
110320211348 0000127021

Page 7 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.004

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Ednah Wambui-Chemist

110320211348 0000127021

Page 8 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00897.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 121
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	32.14	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

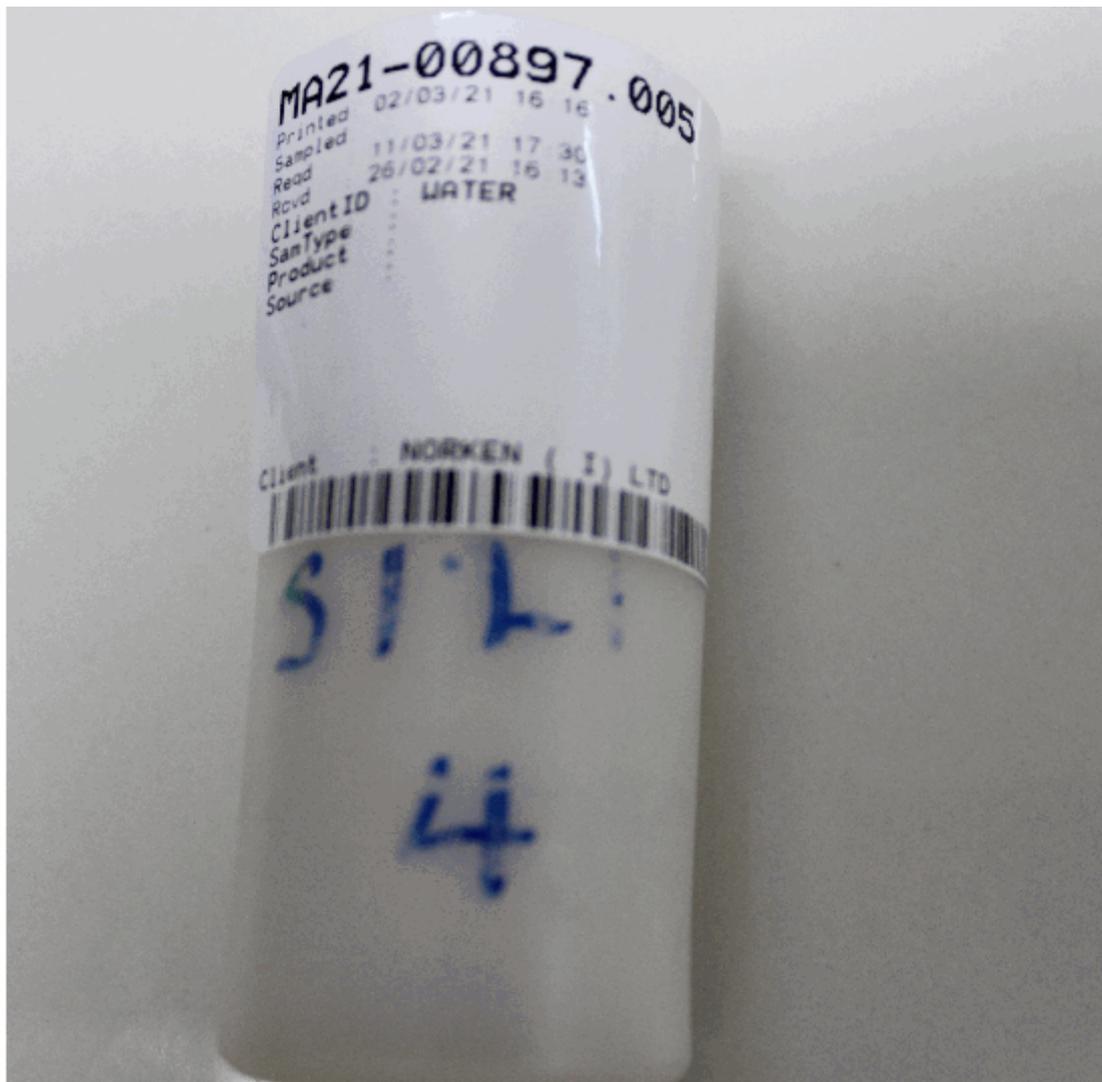
110320211348 0000127021

Page 9 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211348 0000127021

Page 10 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00897.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

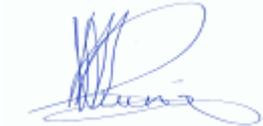
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 165
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	24.11	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

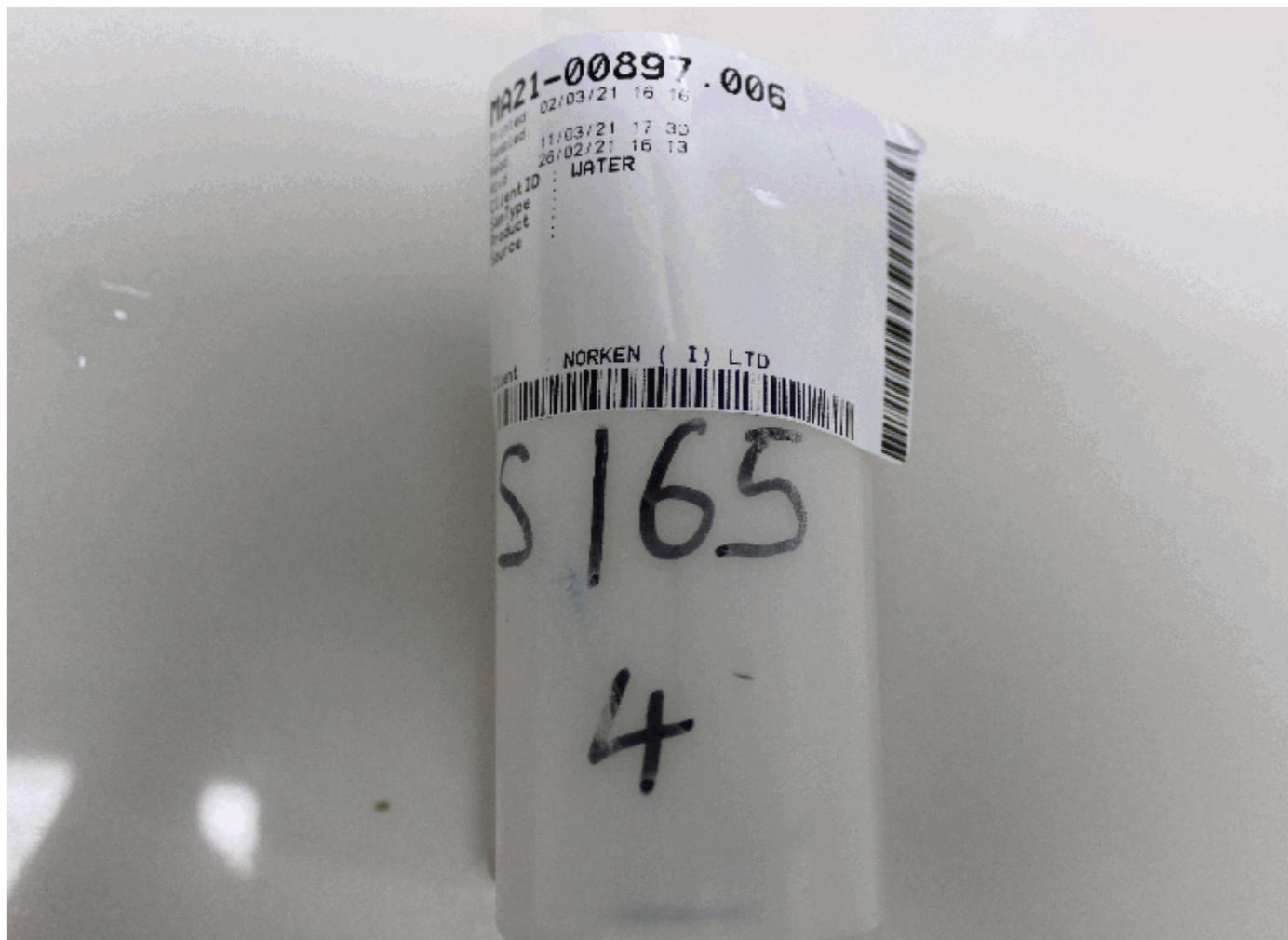
110320211348 0000127021

Page 11 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211348 0000127021

Page 12 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00897.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

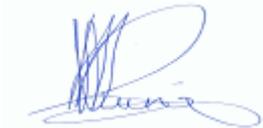
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 173
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	80.35	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

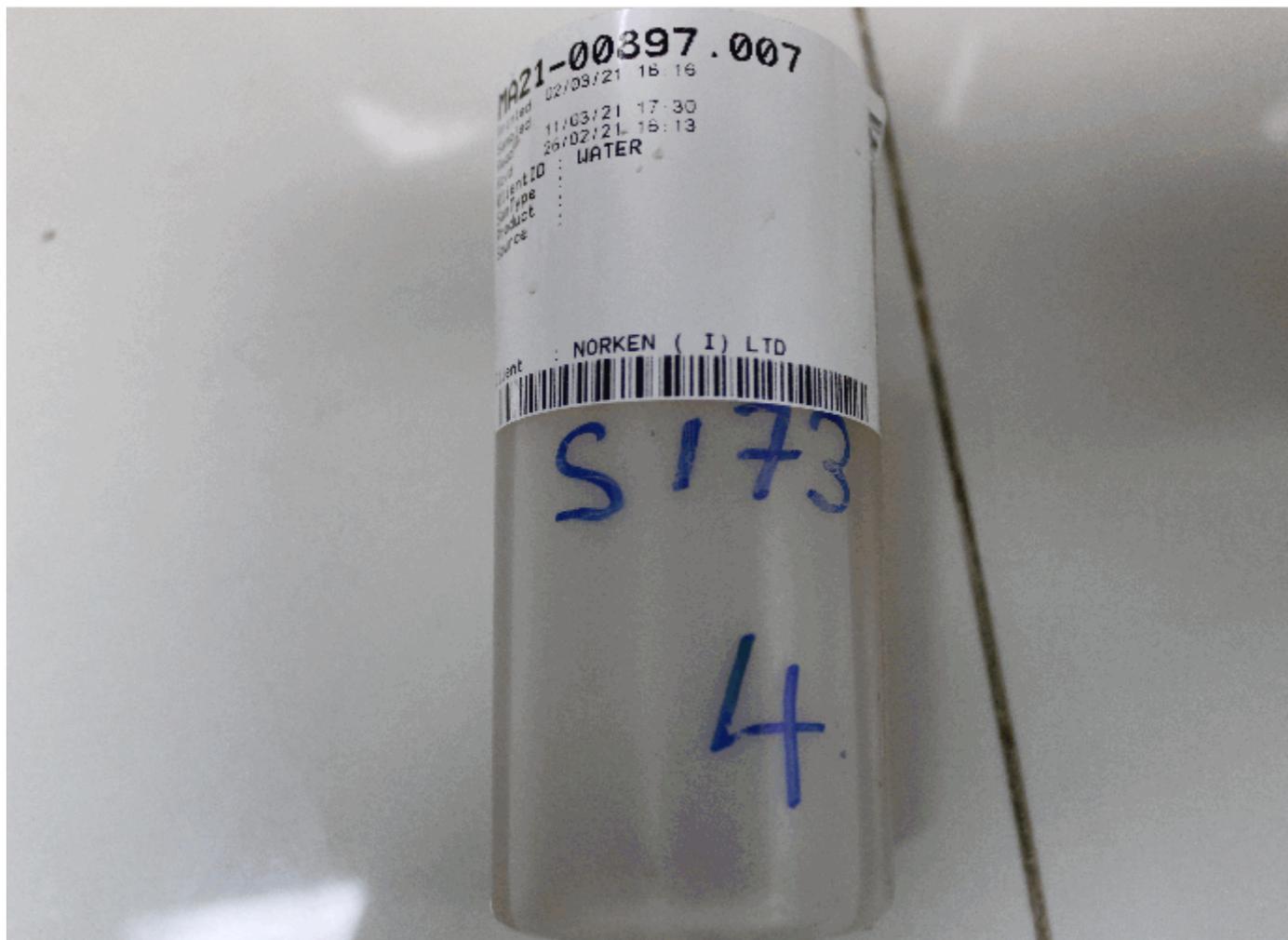
110320211348 0000127021

Page 13 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211348 0000127021

Page 14 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

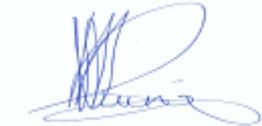
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
149
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	24.11	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

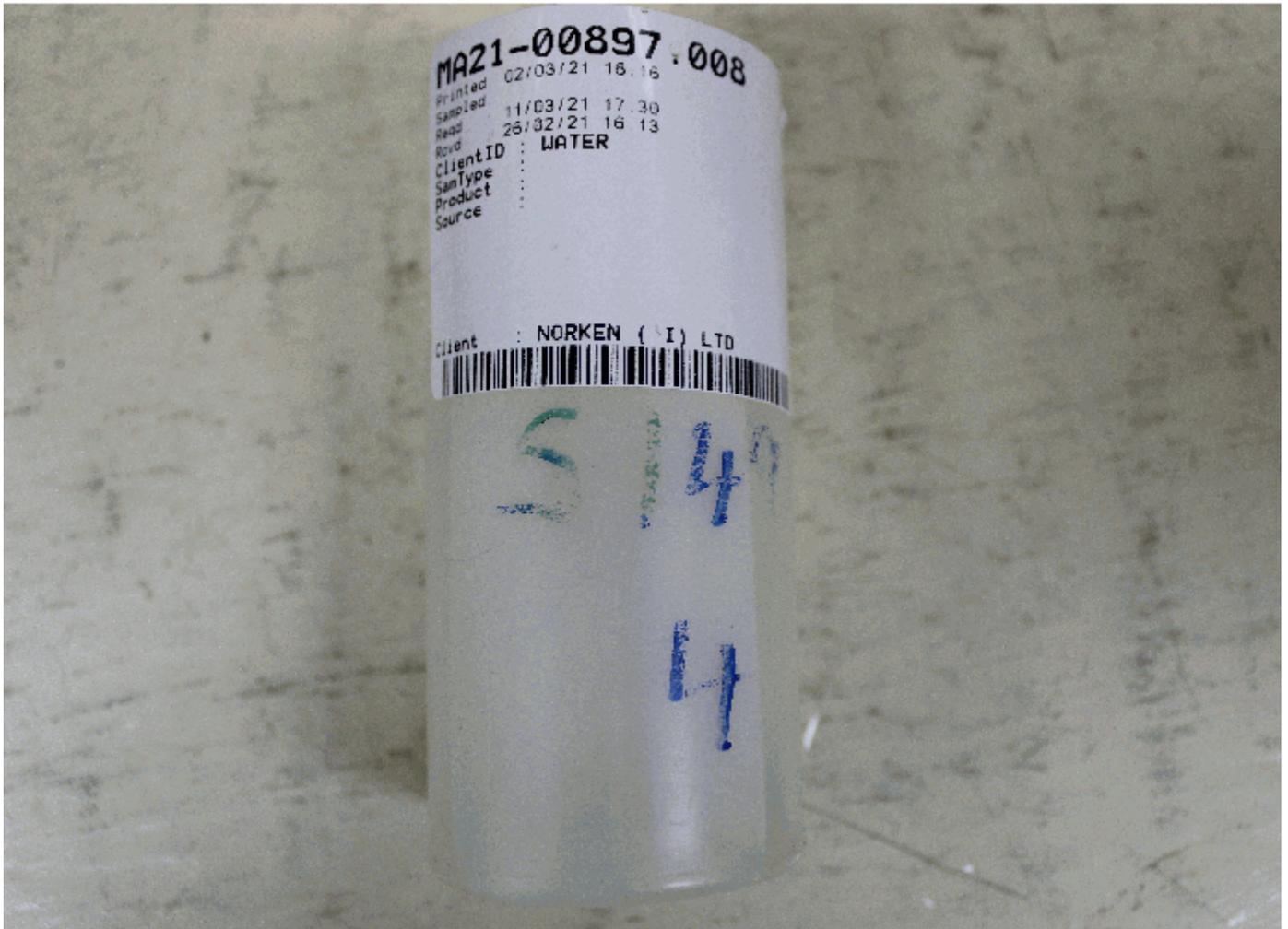
110320211348 0000127021

Page 15 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.008

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211348 0000127021

Page 16 of 16

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

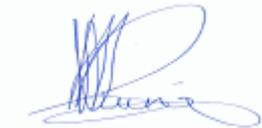
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
161
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	8.04	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

110320211432 0000127024

Page 1 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

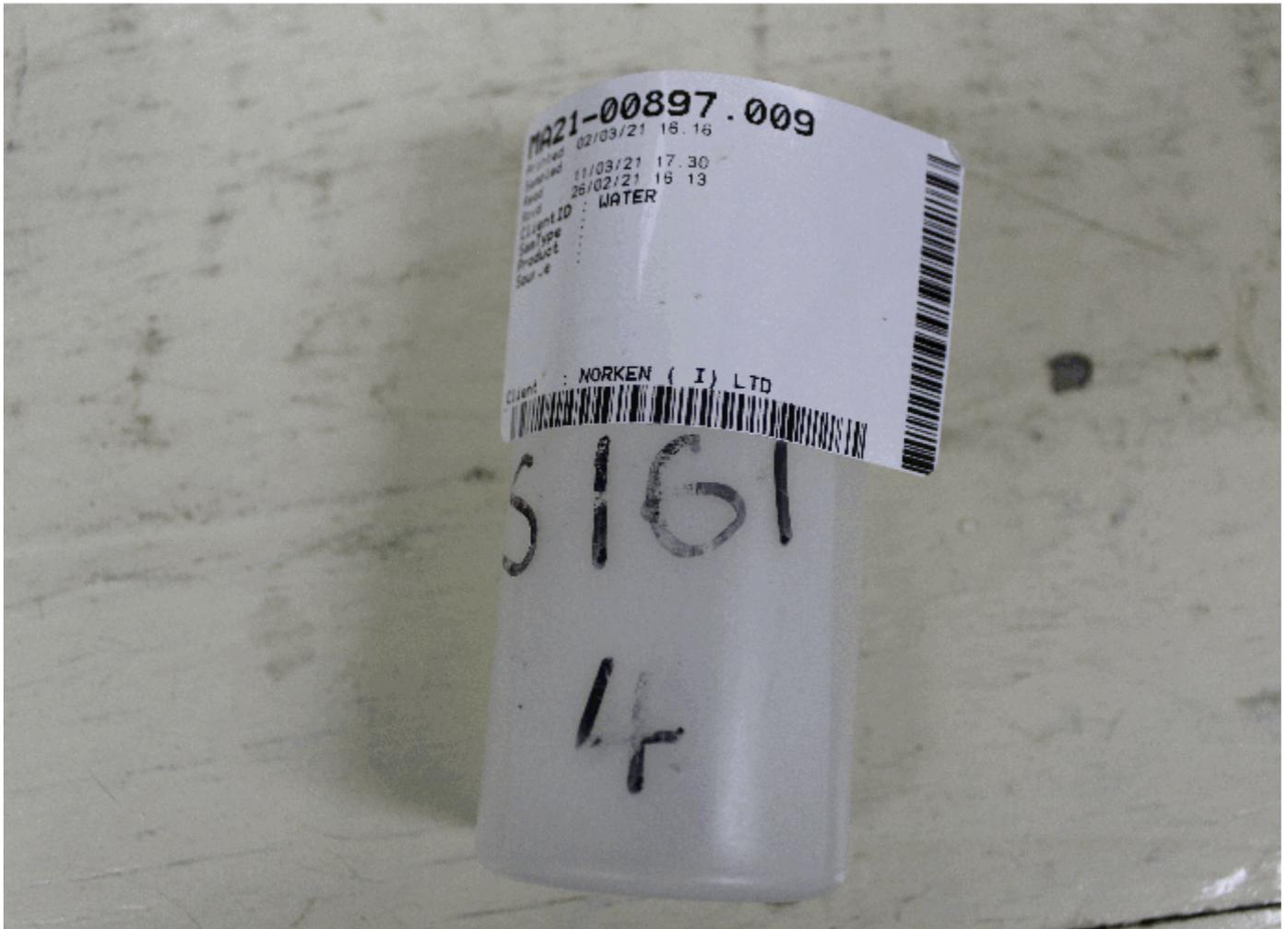
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00897.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211439 0000127024

Page 2 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

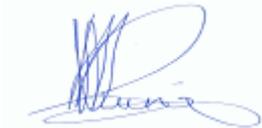
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
115
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	40.18	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

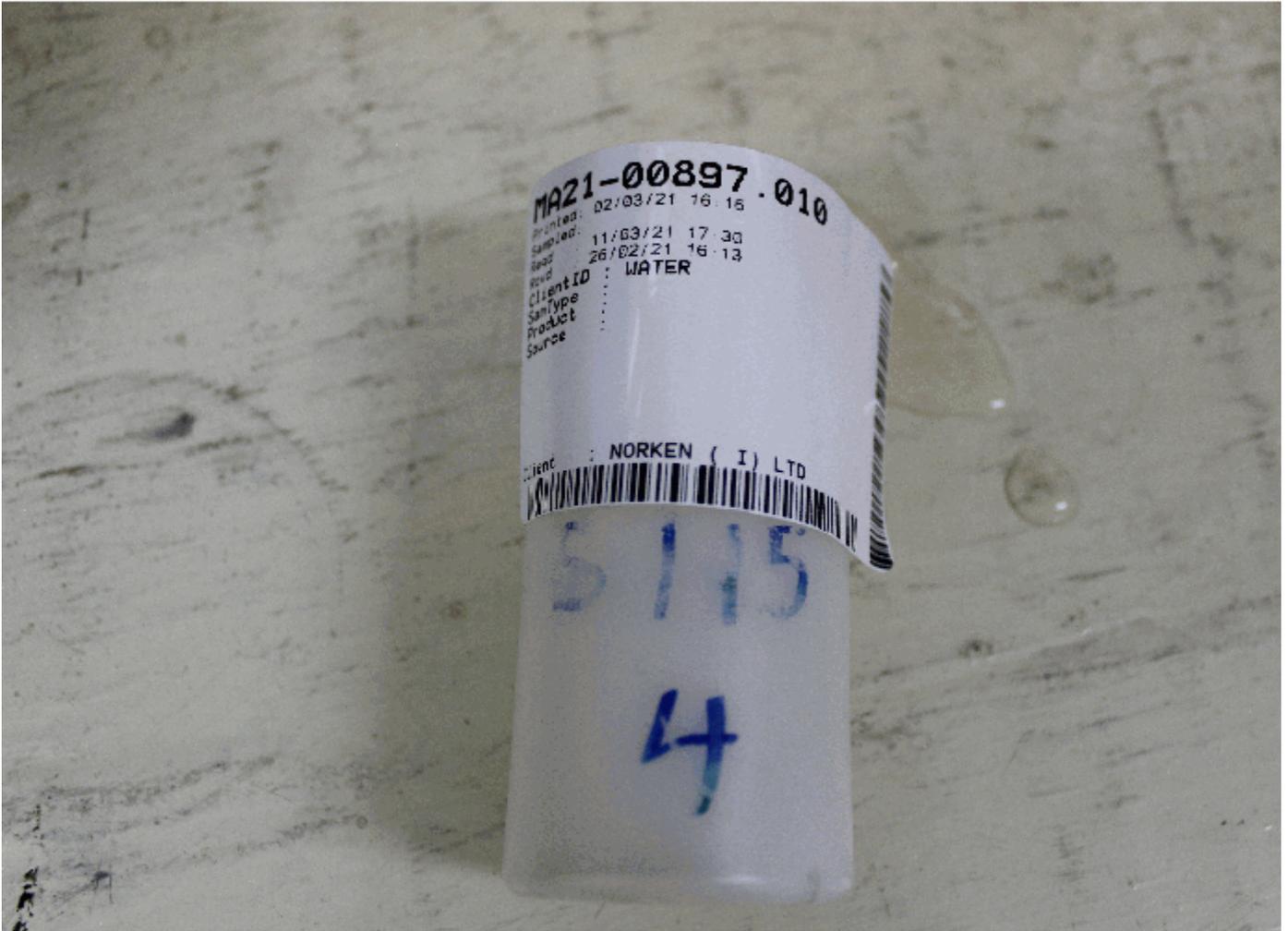
110320211439 0000127024

Page 3 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211439 0000127024

Page 4 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

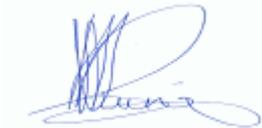
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
134
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	72.32	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

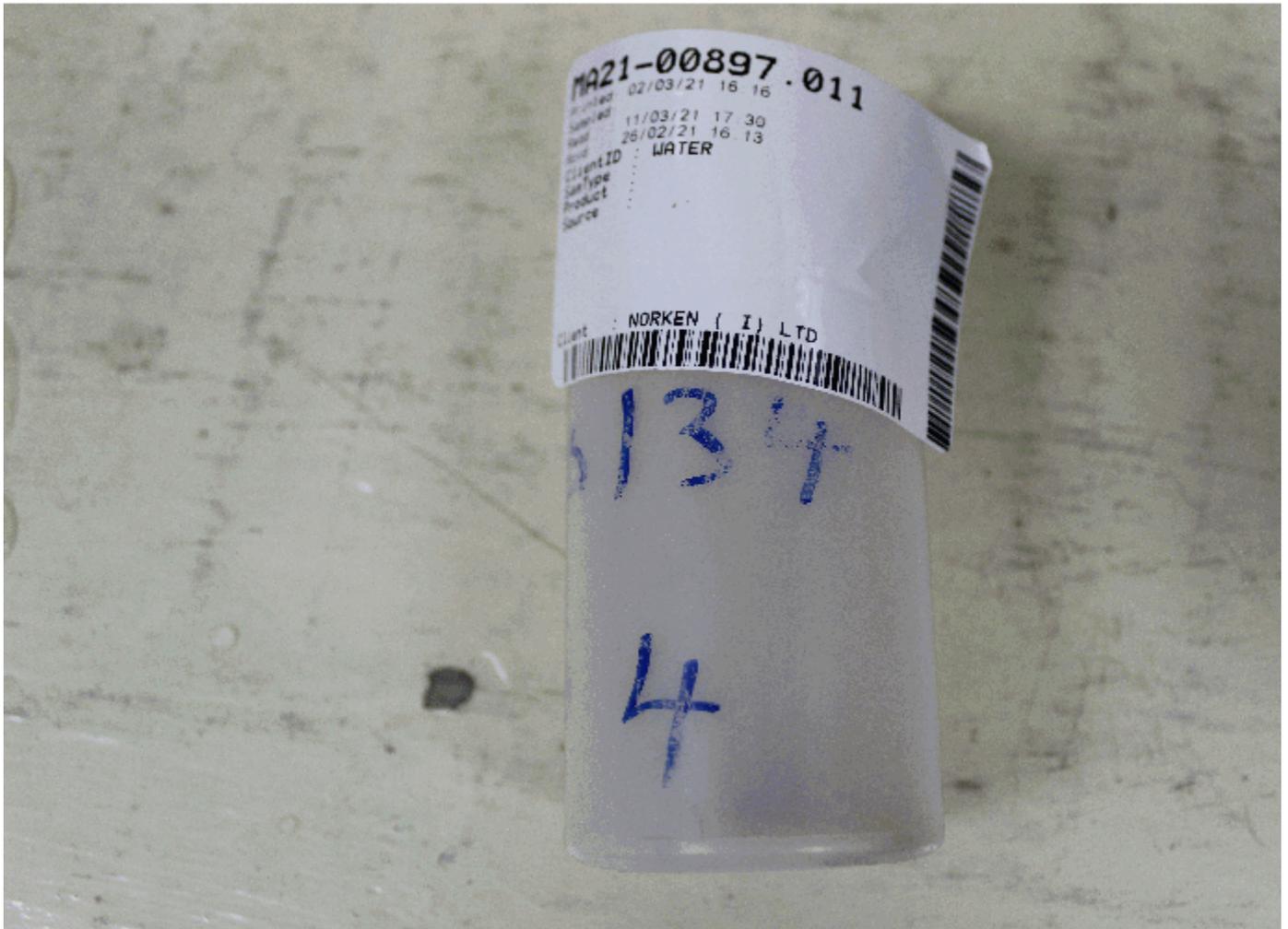
110320211439 0000127024

Page 5 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211439 0000127024

Page 6 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

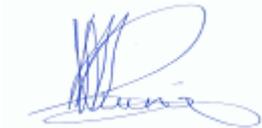
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
103
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	56.25	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

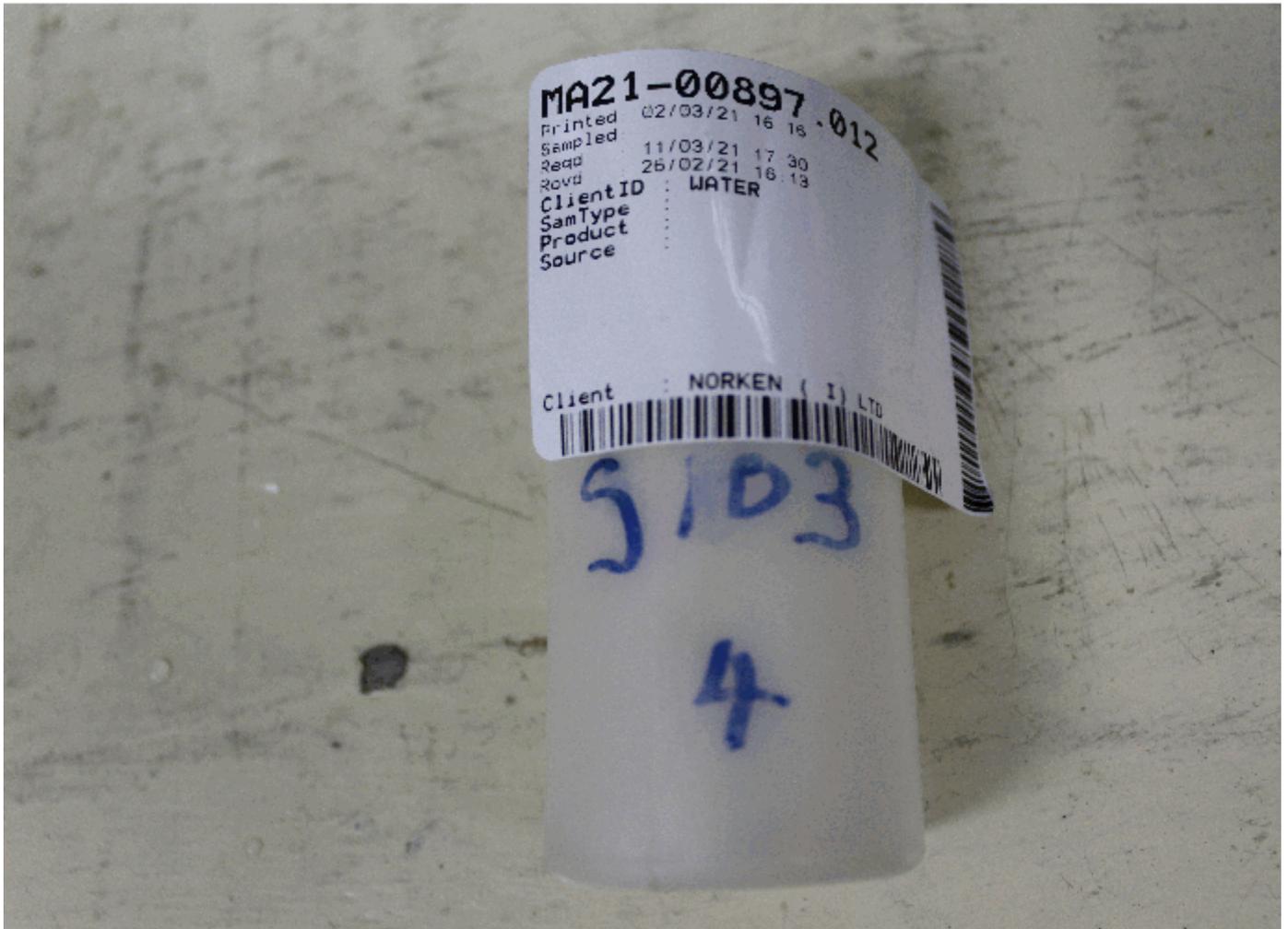
110320211439 0000127024

Page 7 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211439 0000127024

Page 8 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

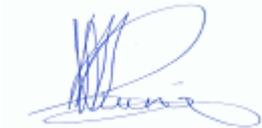
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
144
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	48.21	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

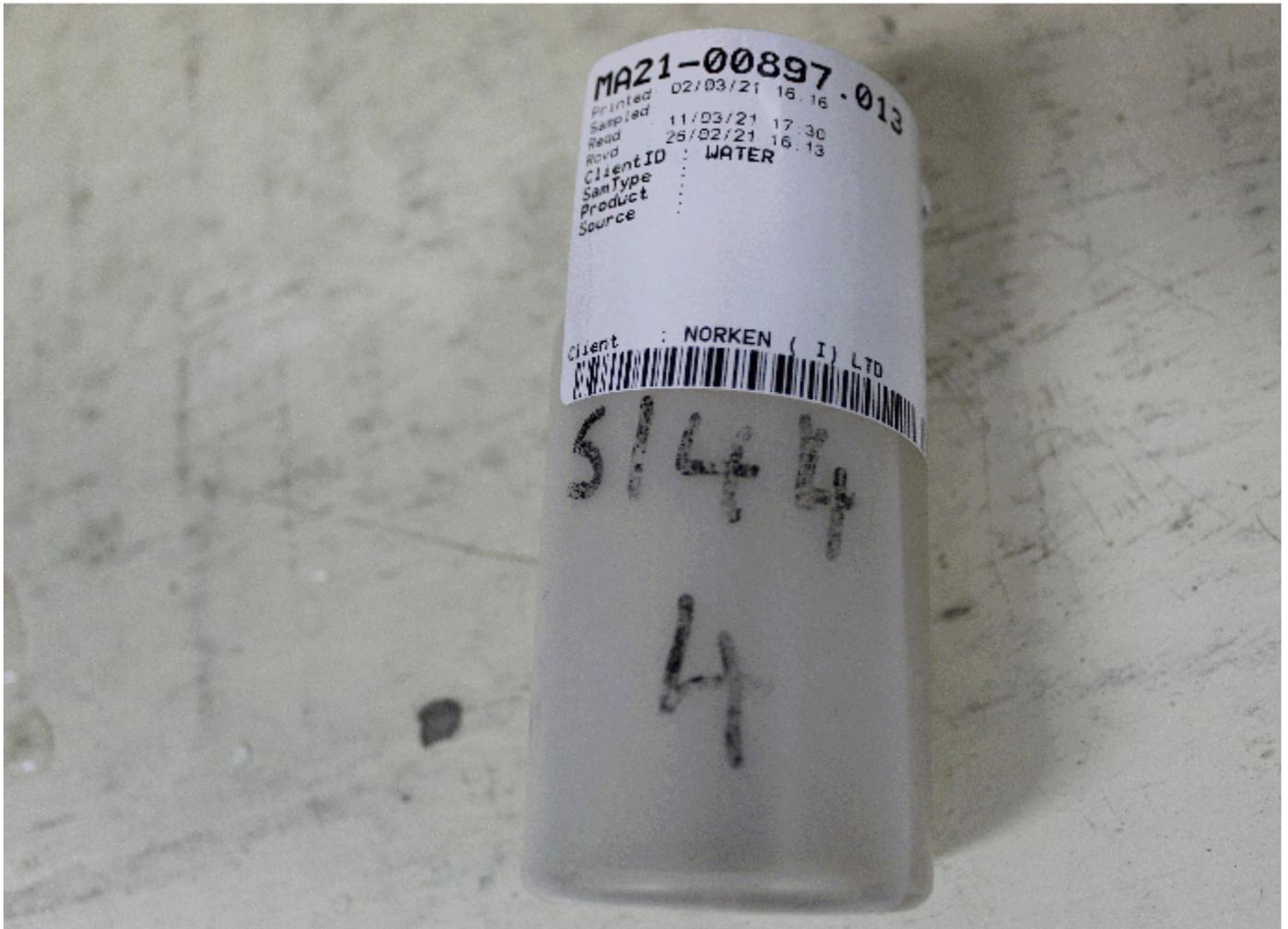
110320211439 0000127024

Page 9 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211439 0000127024

Page 10 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00897.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
 42
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	24.11	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Ednah Wambui-Chemist

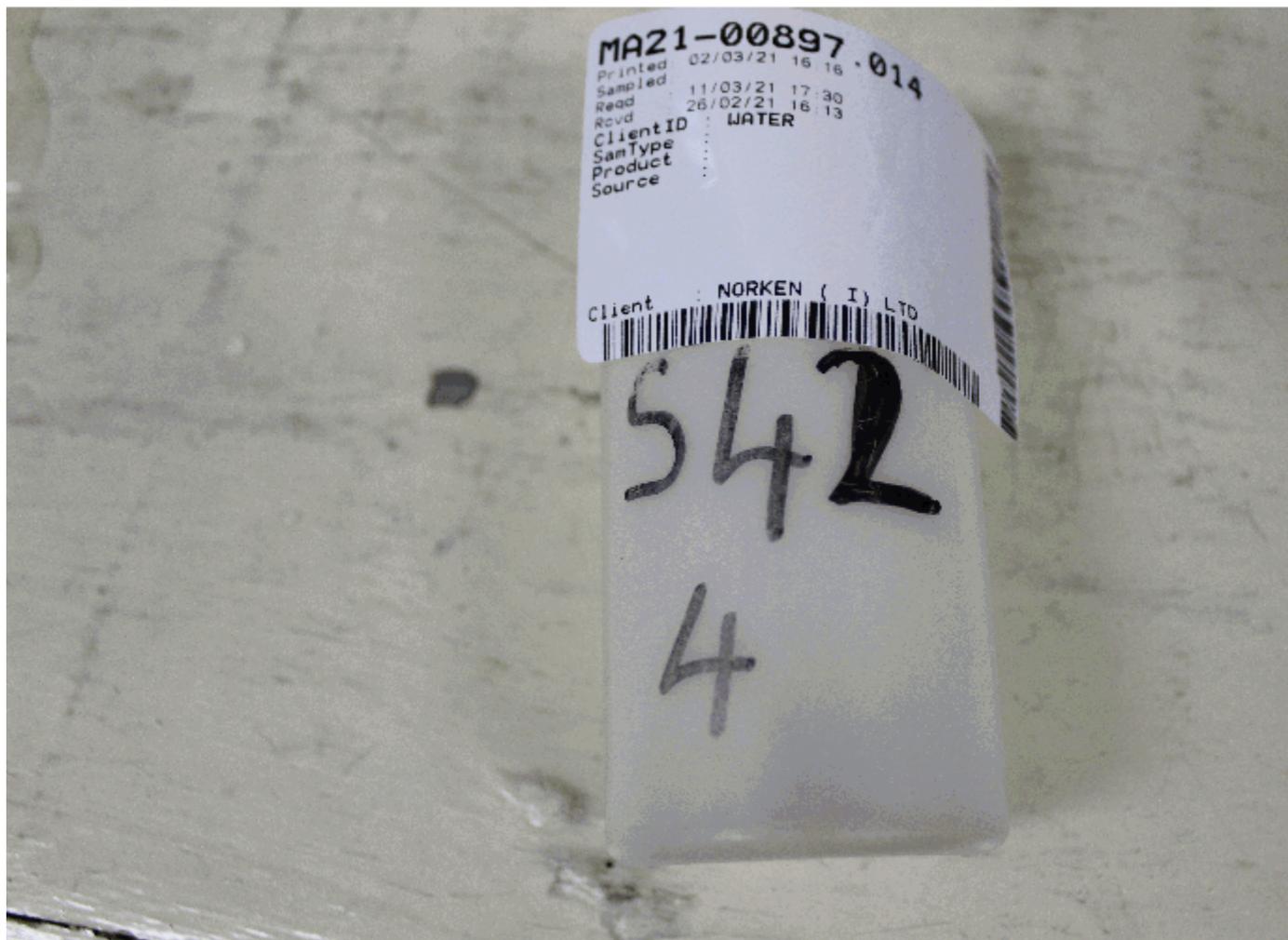
110320211439 0000127024

Page 11 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.014

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Ednah Wambui-Chemist

110320211439 0000127024

Page 12 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 11/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00897.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 03/03/2021

ANALYSIS COMPLETED: 11/03/2021

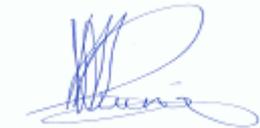
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC BOTTLE
82
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	32.14	mg/l

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Ednah Wambui-Chemist

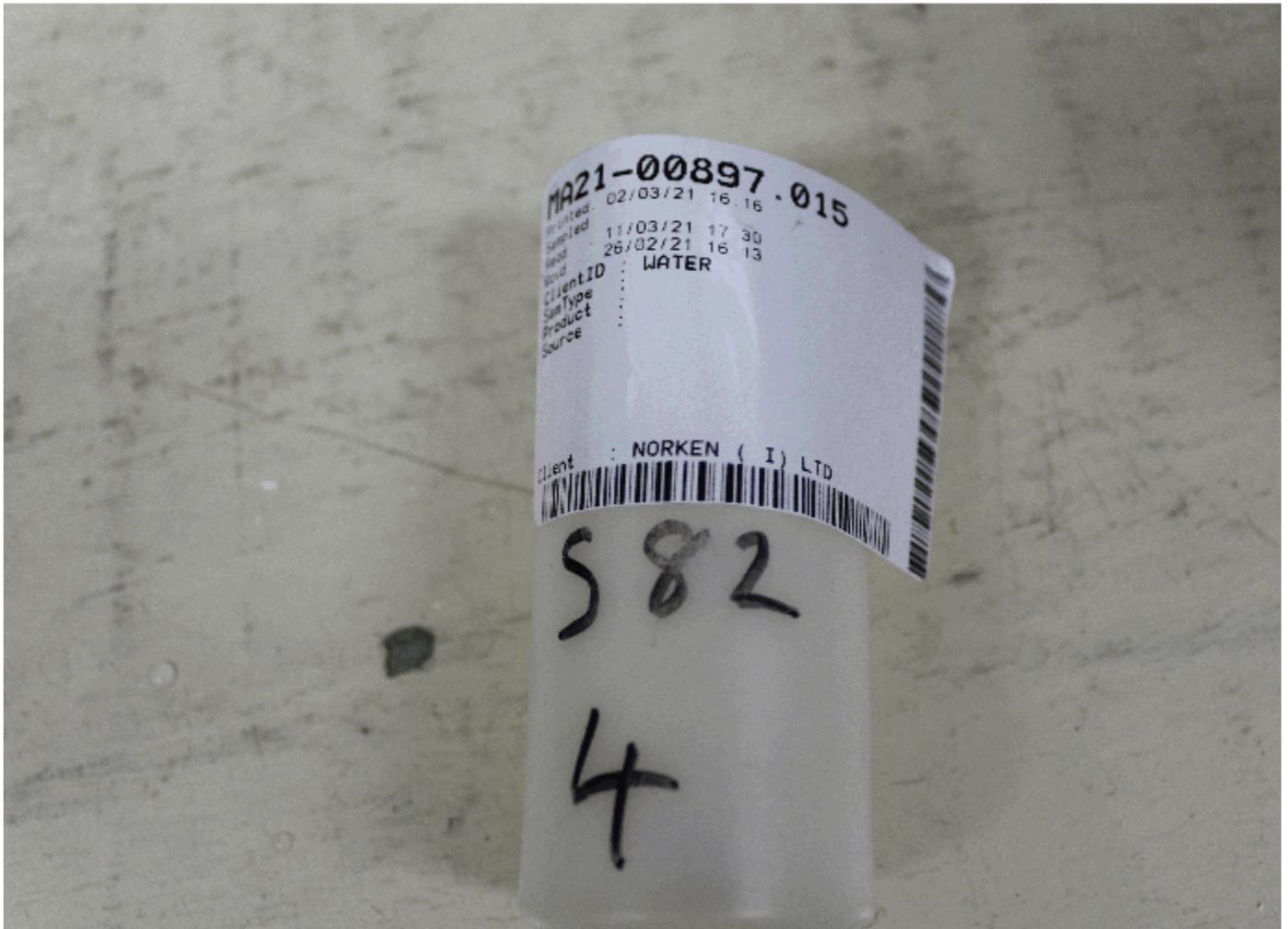
110320211439 0000127024

Page 13 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00897.015

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Ednah Wambui-Chemist

110320211439 0000127024

Page 14 of 14

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.001

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6U
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

170520211630 0000128931

Page 1 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

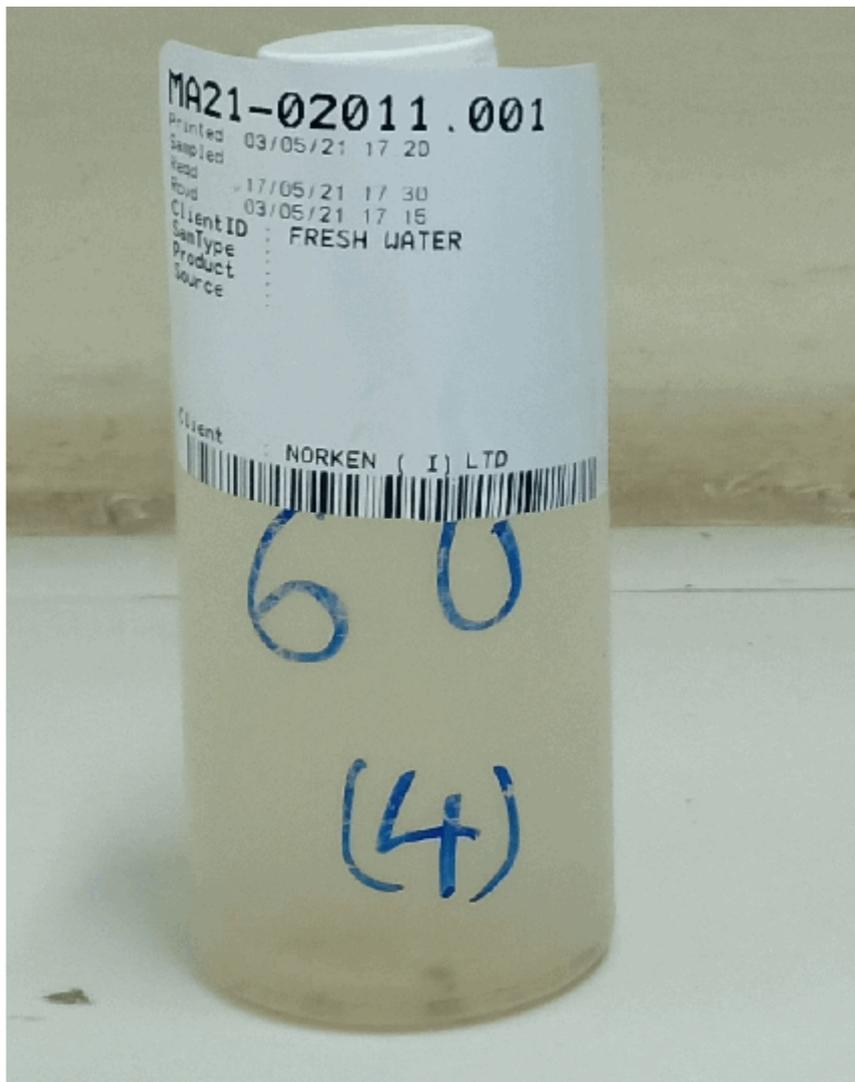
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02011.001

Authorised Signatory

Anselm Riungu - Technical Manager

170520211631 0000128931

Technical Signatory

Gift Kisengese-Chemist

Page 2 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.002

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6D
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

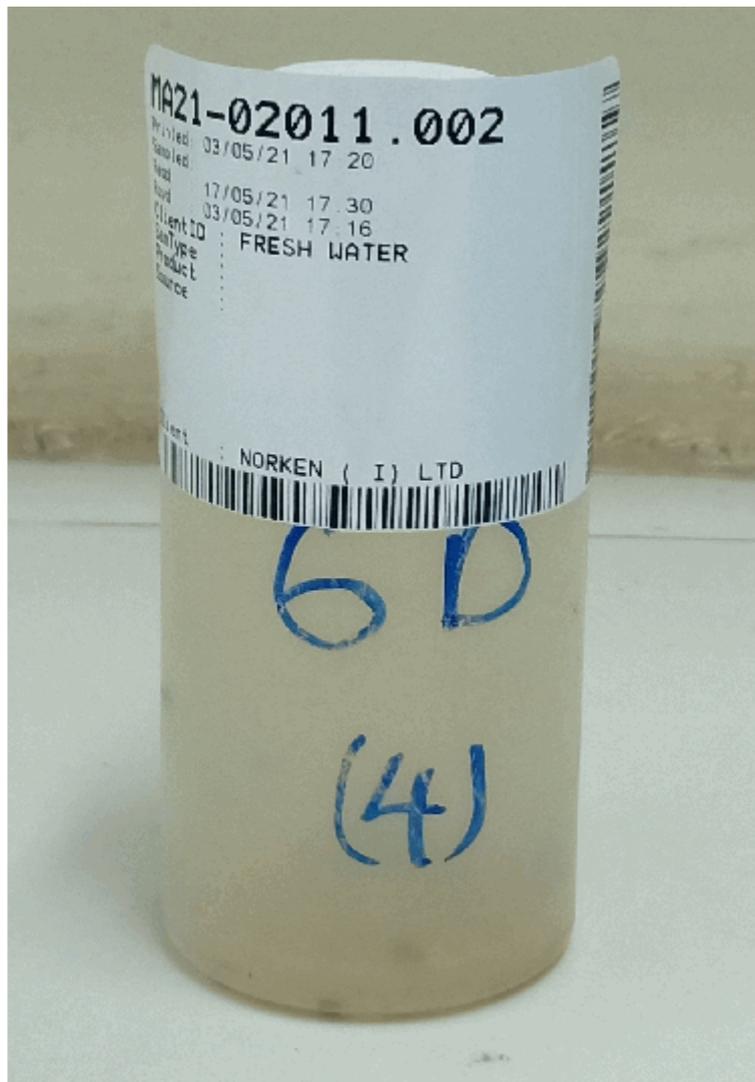
170520211631 0000128931

Page 3 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

170520211631 0000128931

Page 4 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.003

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
8U
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

170520211631 0000128931

Page 5 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

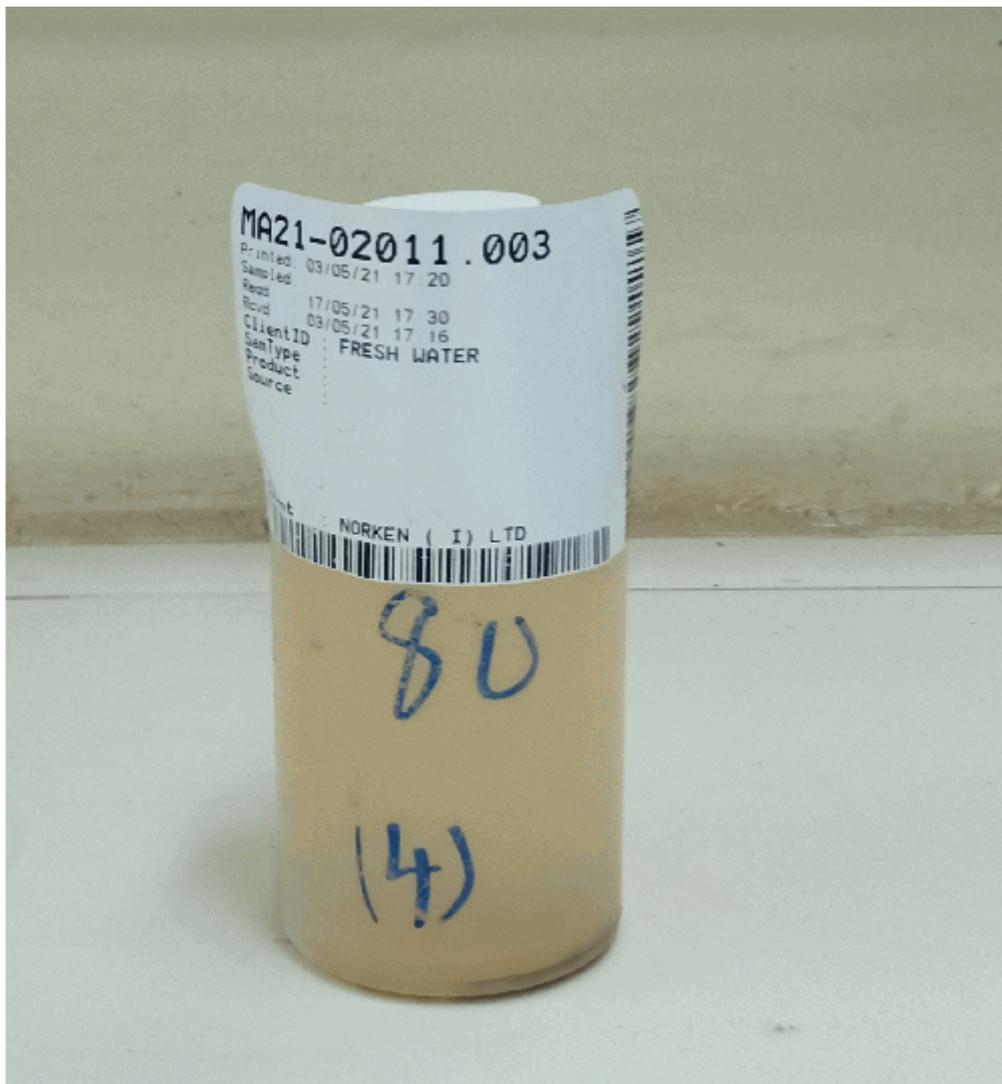
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02011.003

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Gift Kisengese-Chemist

170520211631 0000128931

Page 6 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02011.004

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 17/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8D
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

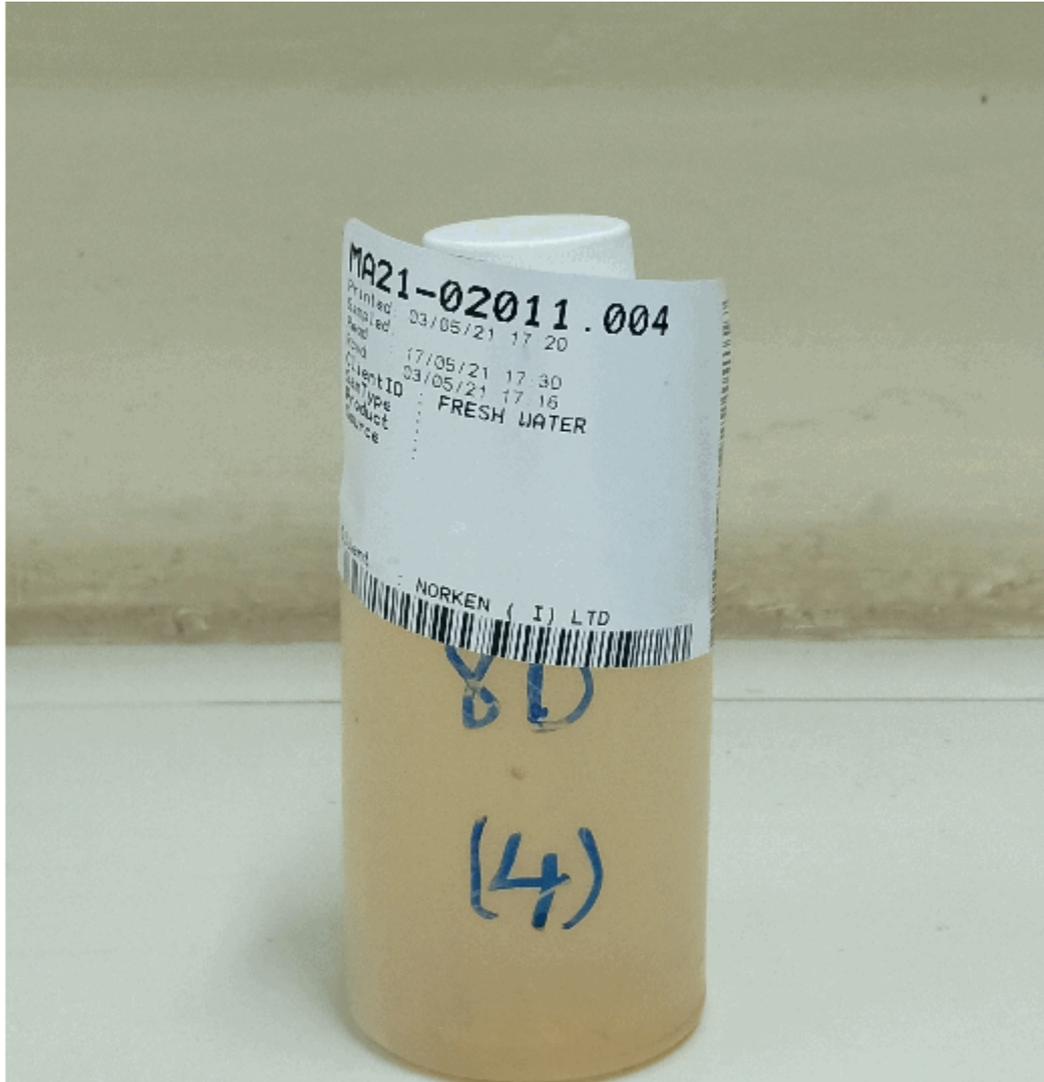
170520211631 0000128931

Page 7 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.004

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Gift Kisengese-Chemist

170520211631 0000128931

Page 8 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.005

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1U
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	7.97	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

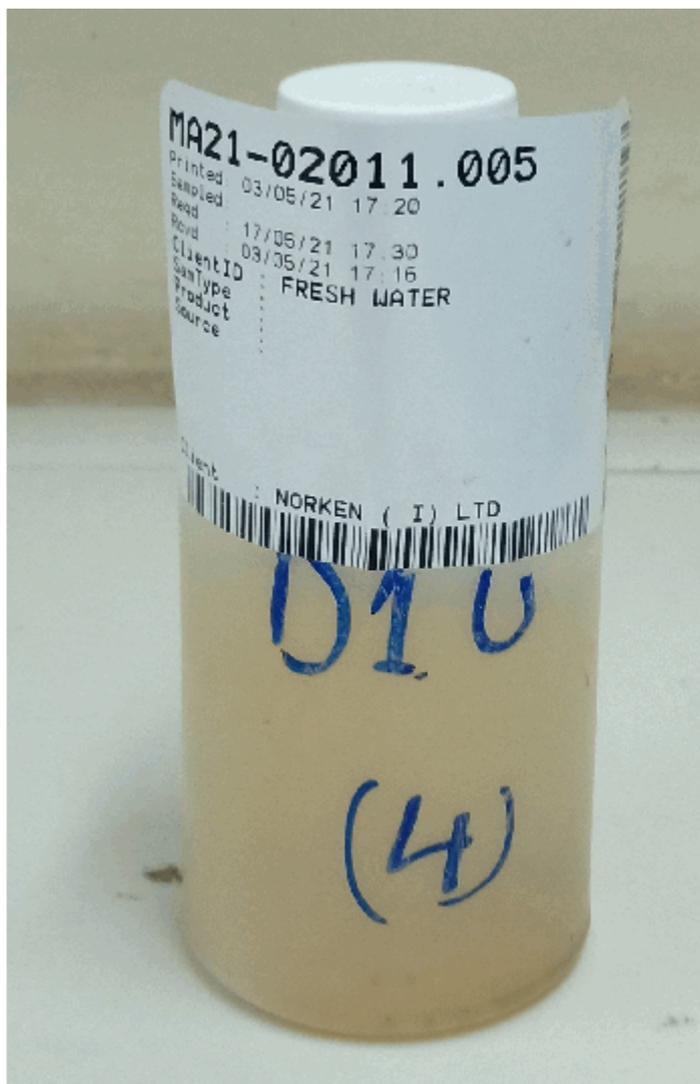
170520211631 0000128931

Page 9 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

170520211631 0000128931

Page 10 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02011.006

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 17/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1D
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	31.87	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

170520211631 0000128931

Page 11 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

170520211631 0000128931

Page 12 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.007

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
9U
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	23.90	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

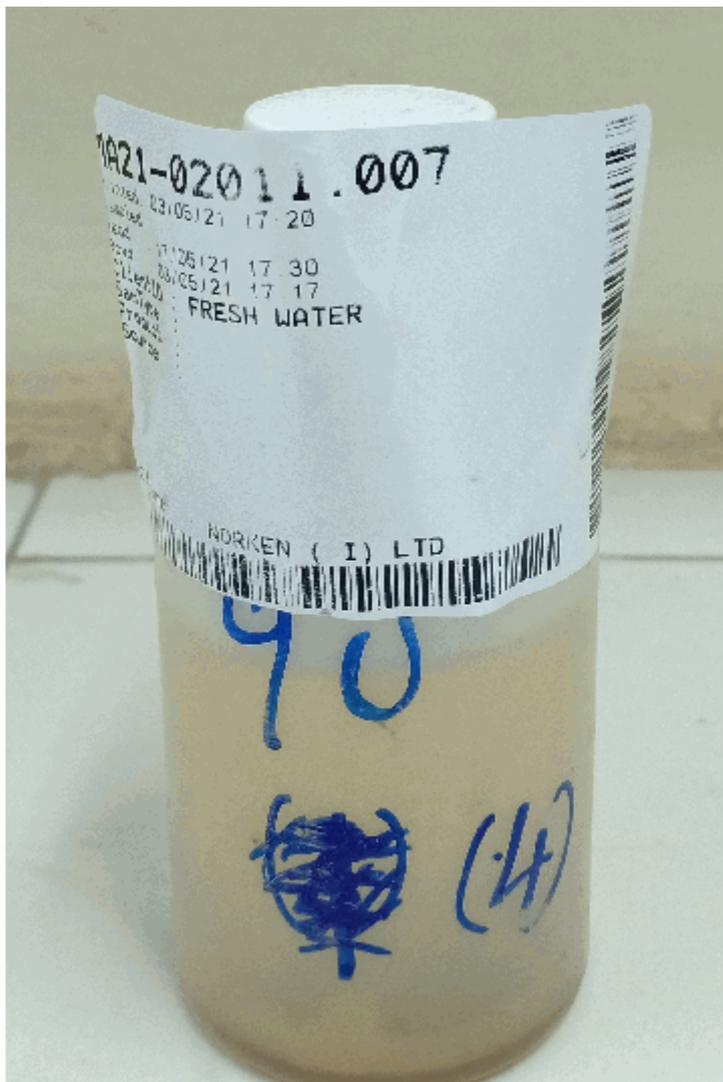
170520211631 0000128931

Page 13 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

170520211631 0000128931

Page 14 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.008

PRODUCT DESCRIPTION: FRESH WATER

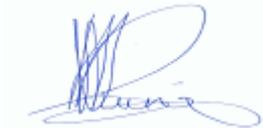
SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 17/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
9D
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	47.81	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

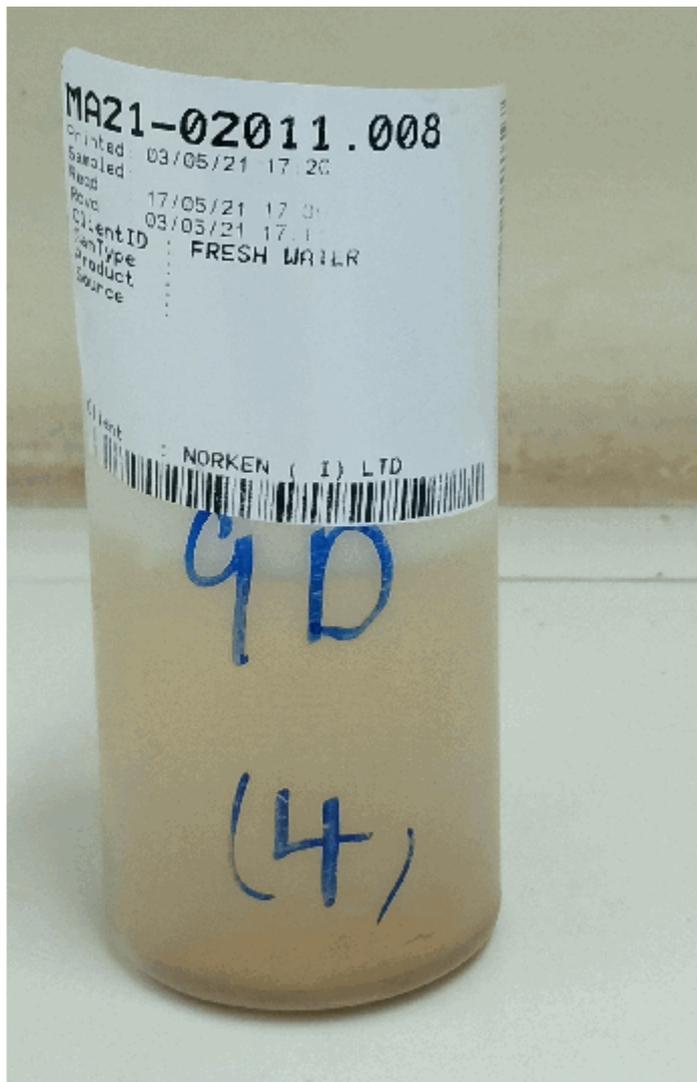
170520211631 0000128931

Page 15 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.008

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Gift Kisengese-Chemist

170520211631 0000128931

Page 16 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.009

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 17/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	23.90	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

170520211631 0000128931

Page 17 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

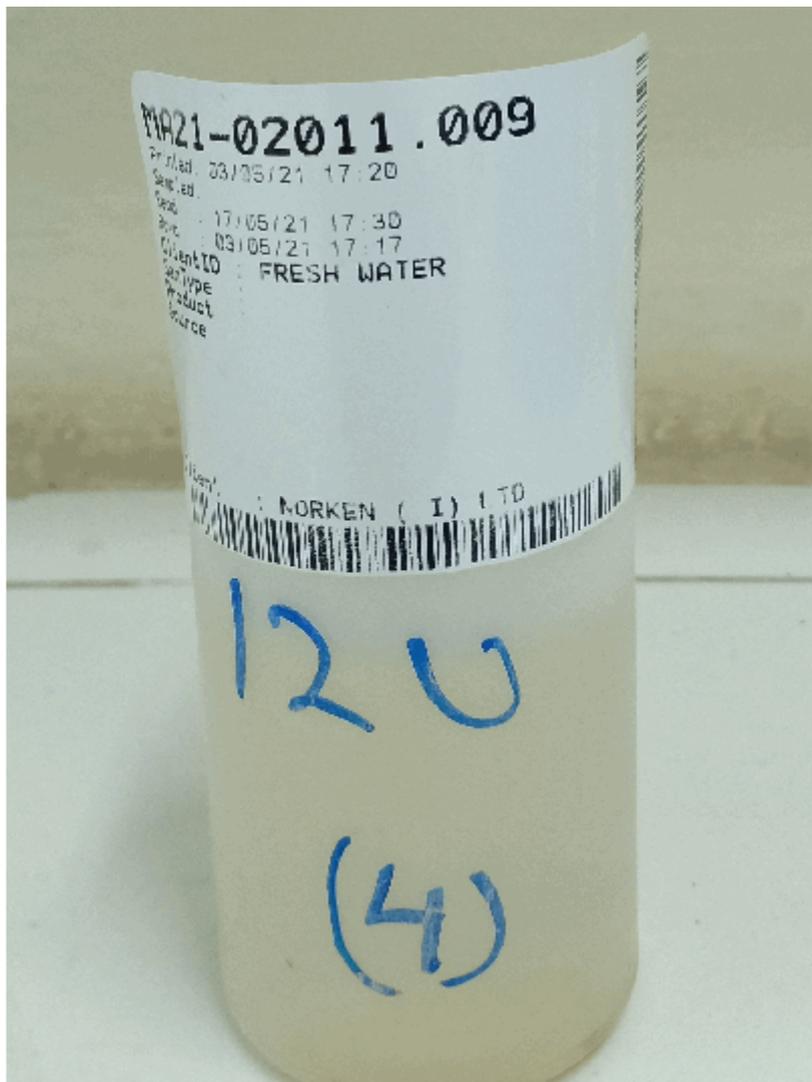
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02011.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

170520211631 0000128931

Page 18 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.010

PRODUCT DESCRIPTION: FRESH WATER

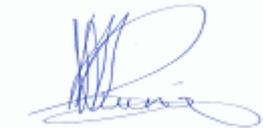
SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 17/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12D
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

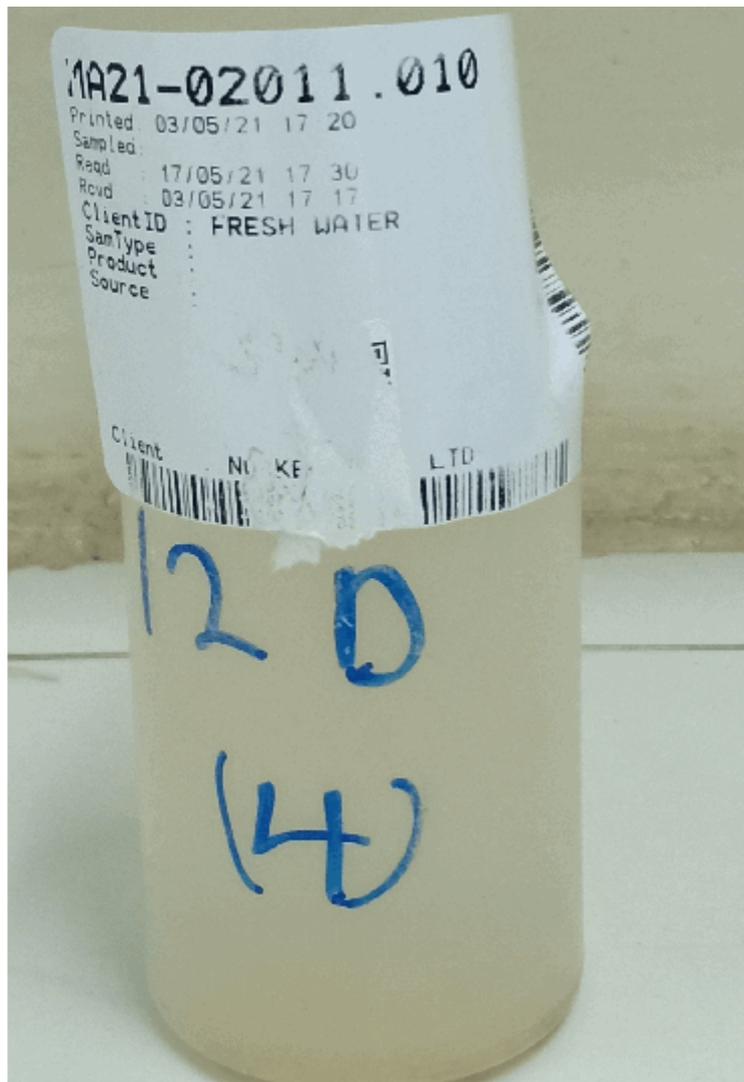
170520211631 0000128931

Page 19 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

170520211631 0000128931

Page 20 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.011

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

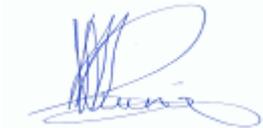
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13U
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

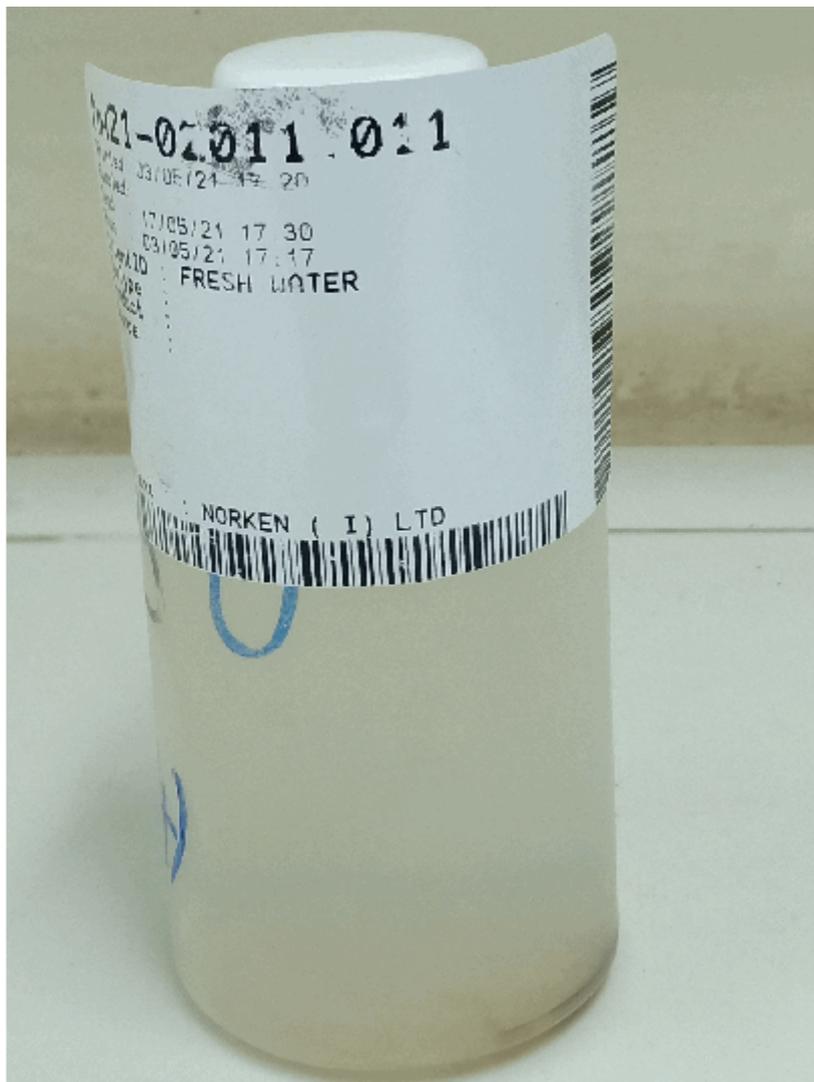
170520211631 0000128931

Page 21 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.011

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Gift Kisengese-Chemist

170520211631 0000128931

Page 22 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.012

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 17/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13D
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

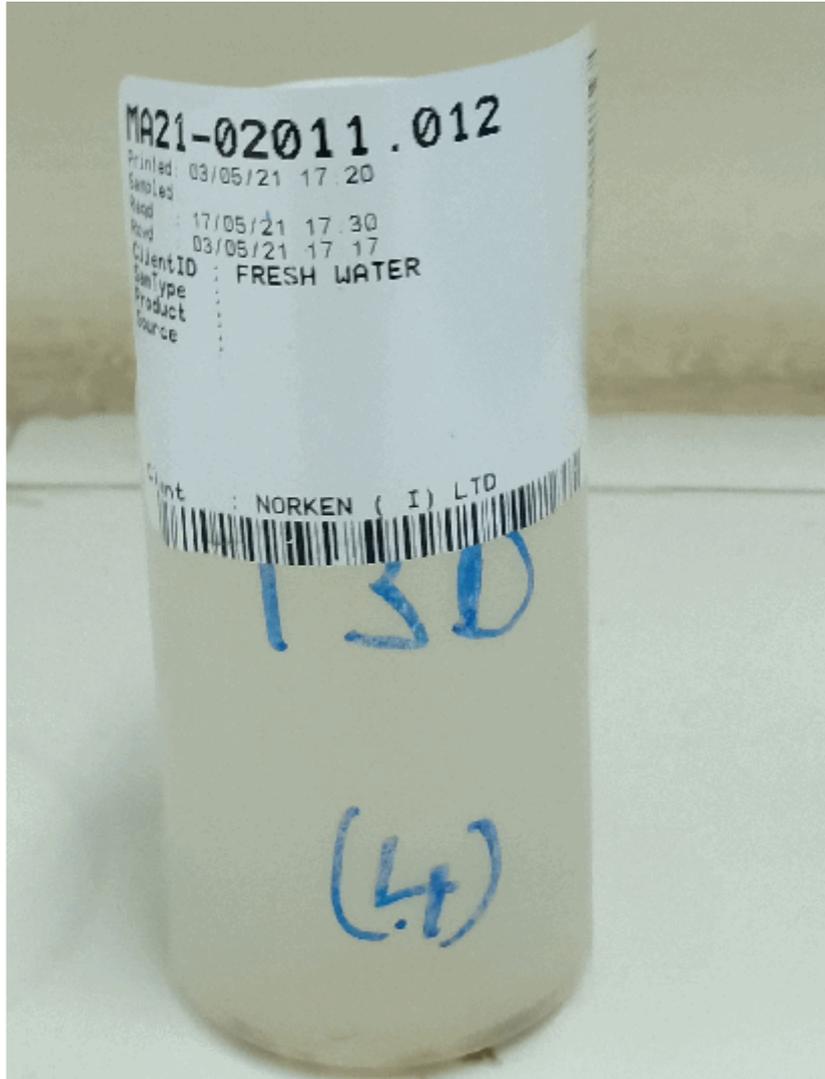
170520211631 0000128931

Page 23 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.012

Authorised Signatory

Anselm Riungu - Technical Manager

170520211631 0000128931

Technical Signatory

Gift Kisengese-Chemist

Page 24 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02011.013

PRODUCT DESCRIPTION: FRESH WATER

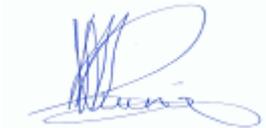
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 17/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 14U
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	23.90	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

170520211631 0000128931

Page 25 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.013

Authorised Signatory

Anselm Riungu - Technical Manager

170520211631 0000128931

Technical Signatory

Gift Kisengese-Chemist

Page 26 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02011.014

PRODUCT DESCRIPTION: FRESH WATER

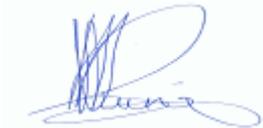
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 17/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 14D
 4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	19.92	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

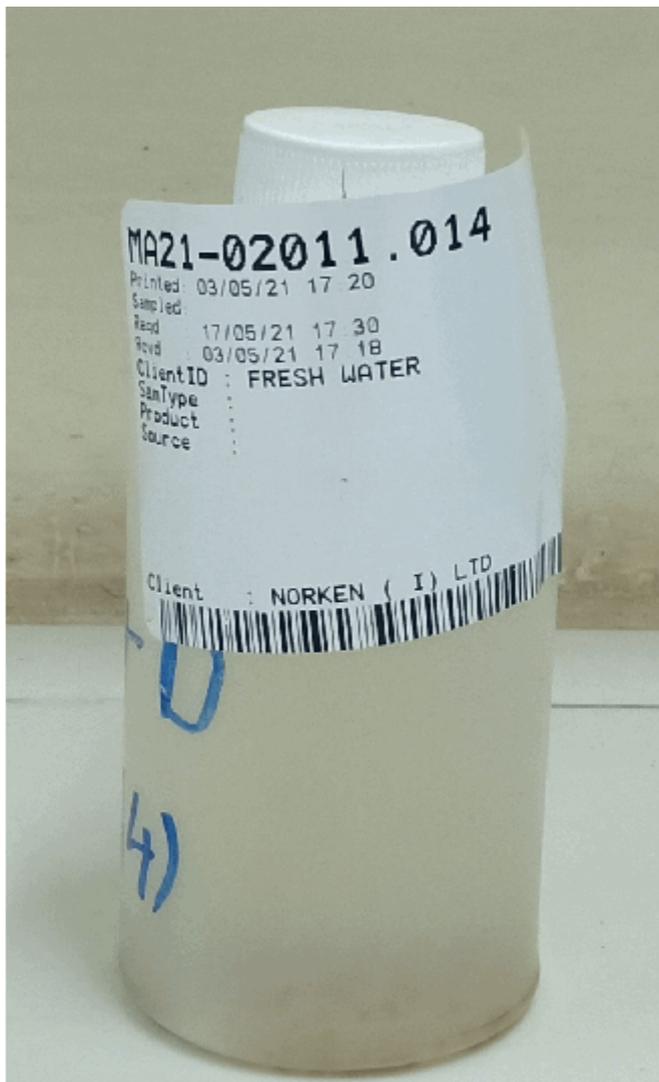
170520211631 0000128931

Page 27 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.014

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Gift Kisengese-Chemist

170520211631 0000128931

Page 28 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.015

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

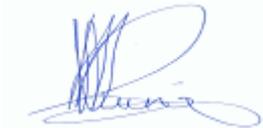
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB1
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

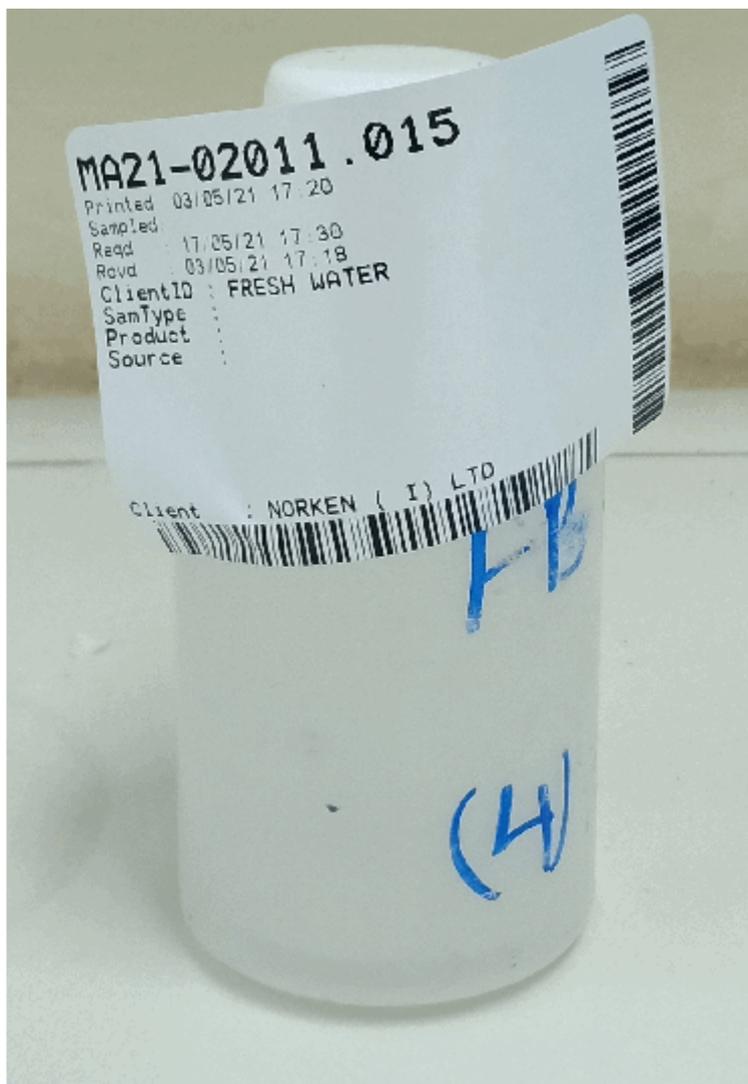
170520211631 0000128931

Page 29 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.015

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Gift Kisengese-Chemist

170520211631 0000128931

Page 30 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02011.016

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

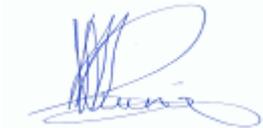
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB2
4

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Chemical Oxygen Demand	APHA 5220 B	<7.00	mg/l

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Gift Kisengese-Chemist

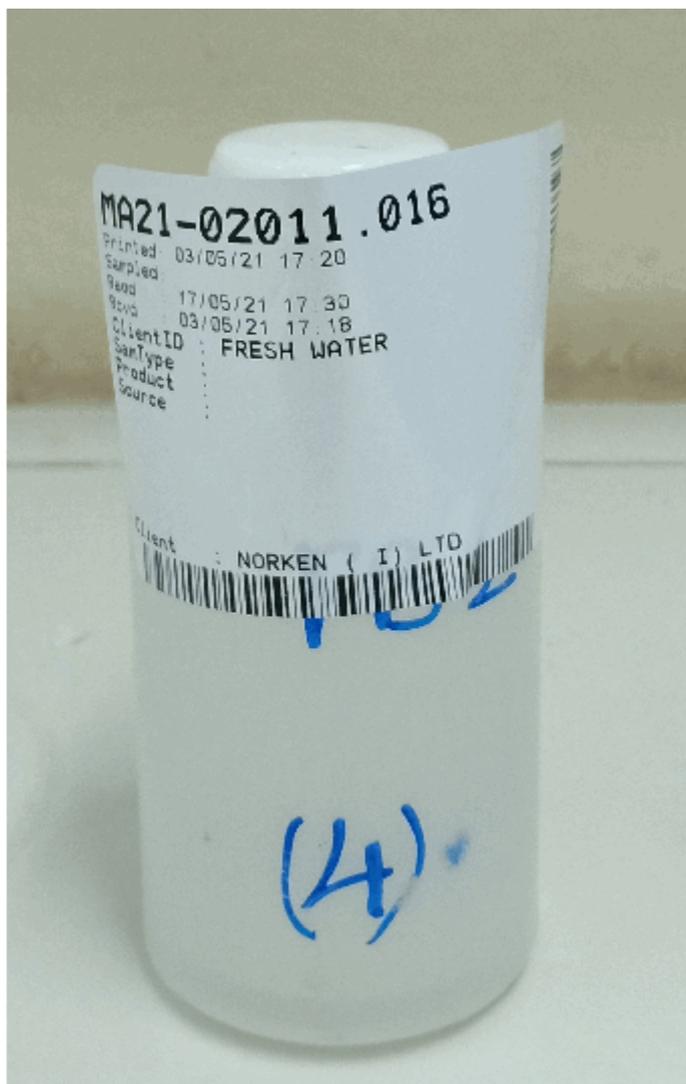
170520211631 0000128931

Page 31 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02011.016

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

170520211630 0000128931

Technical Signatory

Gift Kisengese-Chemist

Page 32 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 008/MICRO

SAMPLE: B± (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: B± (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	23	MPN/100 ml

*****END OF TEST RESULTS *****

Analyst

MACKMILLAN





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 005/MICRO

SAMPLE: 5 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	23	MPN/100 ml

SAMPLE: 5 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

Most Probable Number (MPN) analysis method

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	1100	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN

Technical Signatory

KENYA MARINE & FISHERIES
RESEARCH INSTITUTE

P. O. Box 81651-80100

MOMBASA



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 009/MICRO

SAMPLE: 3 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	140	MPN/100 ml

SAMPLE: 3 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	150	MPN/100 ml

*****END OF TEST RESULTS *****

Analyst

MACKMILLAN



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 011/MICRO

SAMPLE: B3 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: B3 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 014/MICRO

SAMPLE: 1 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: 1 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 002/MICRO

SAMPLE: 15 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: 15 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

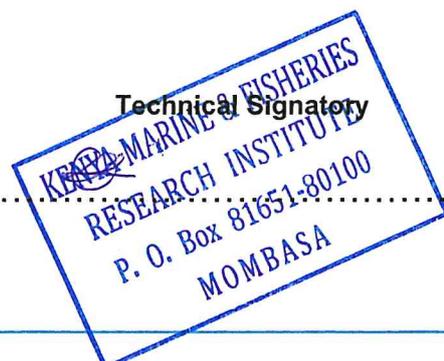
PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	1100	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 004/MICRO

SAMPLE: 10 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	43	MPN/100 ml

SAMPLE: 10 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	43	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

.....
MACKMILLAN



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 015/MICRO

SAMPLE: FB

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	0	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: FB

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	0	MPN/100 ml
E.coli	0	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

.....
MACKMILLAN





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 003/MICRO

SAMPLE: 10 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: 10 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 001/MICRO

SAMPLE: 15 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: 15 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

Mackmillan

Technical Signatory



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 013/MICRO

SAMPLE: 1 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	23	MPN/100 ml

SAMPLE: 1 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	23	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 012/MICRO

SAMPLE: B3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	0	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: B3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 010/MICRO

SAMPLE: 3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	93	MPN/100 ml

SAMPLE: 3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	1100	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 006/MICRO

SAMPLE: 5 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

SAMPLE: 5 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	0	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

MACKMILLAN



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 007/MICRO

SAMPLE: B± (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	150	MPN/100 ml

SAMPLE: B± (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: Most Probable Number (MPN)

PARAMETER	MPN	UNITS
Total Coliforms	1100	MPN/100 ml
Fecal Coliforms	1100	MPN/100 ml
E.coli	150	MPN/100 ml

*****END OF TEST RESULTS *****

Analyst

MACKMILLAN



Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S86
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

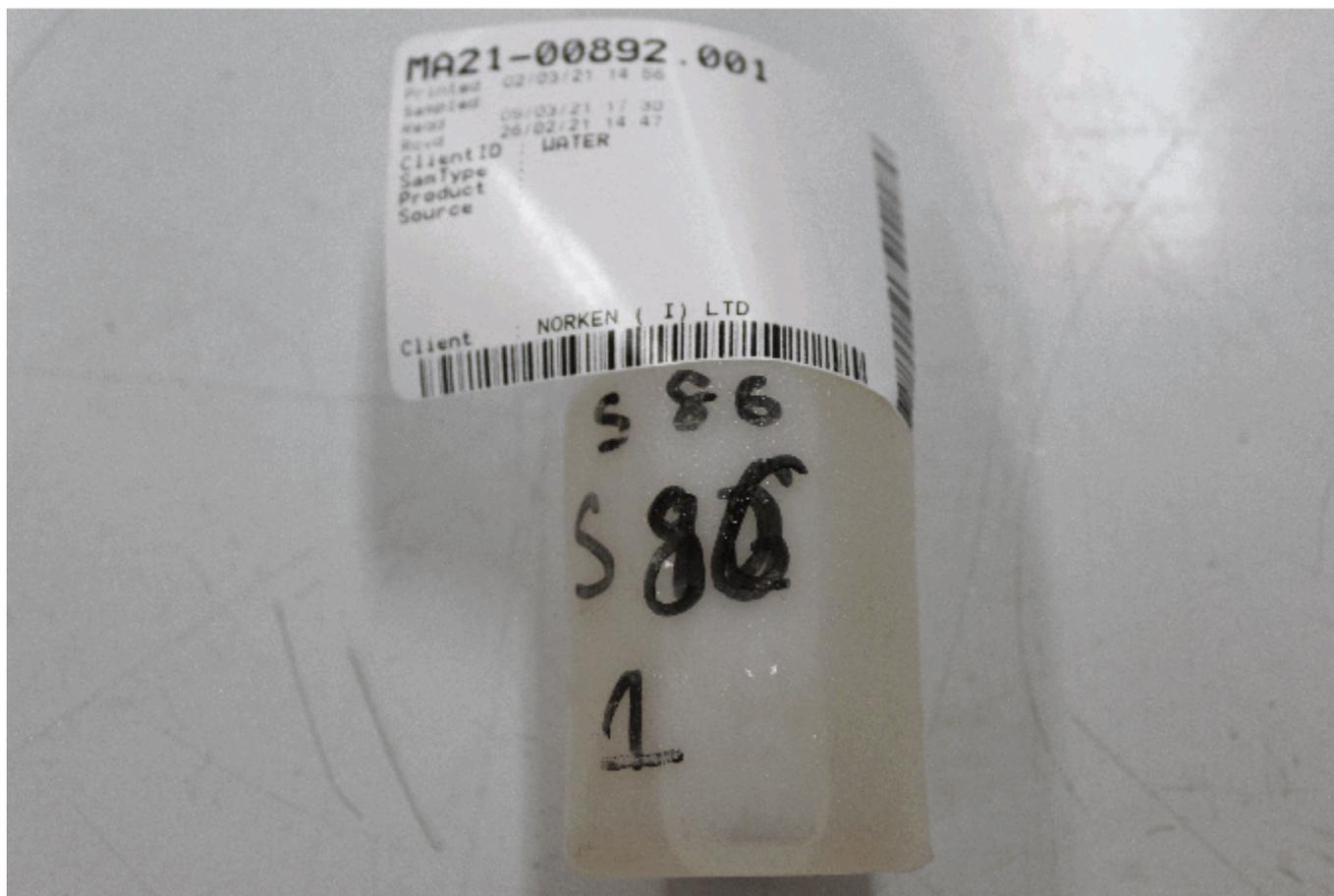
090320211639 0000126927

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211640 0000126927

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

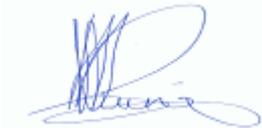
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S71
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	5	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211640 0000126927

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

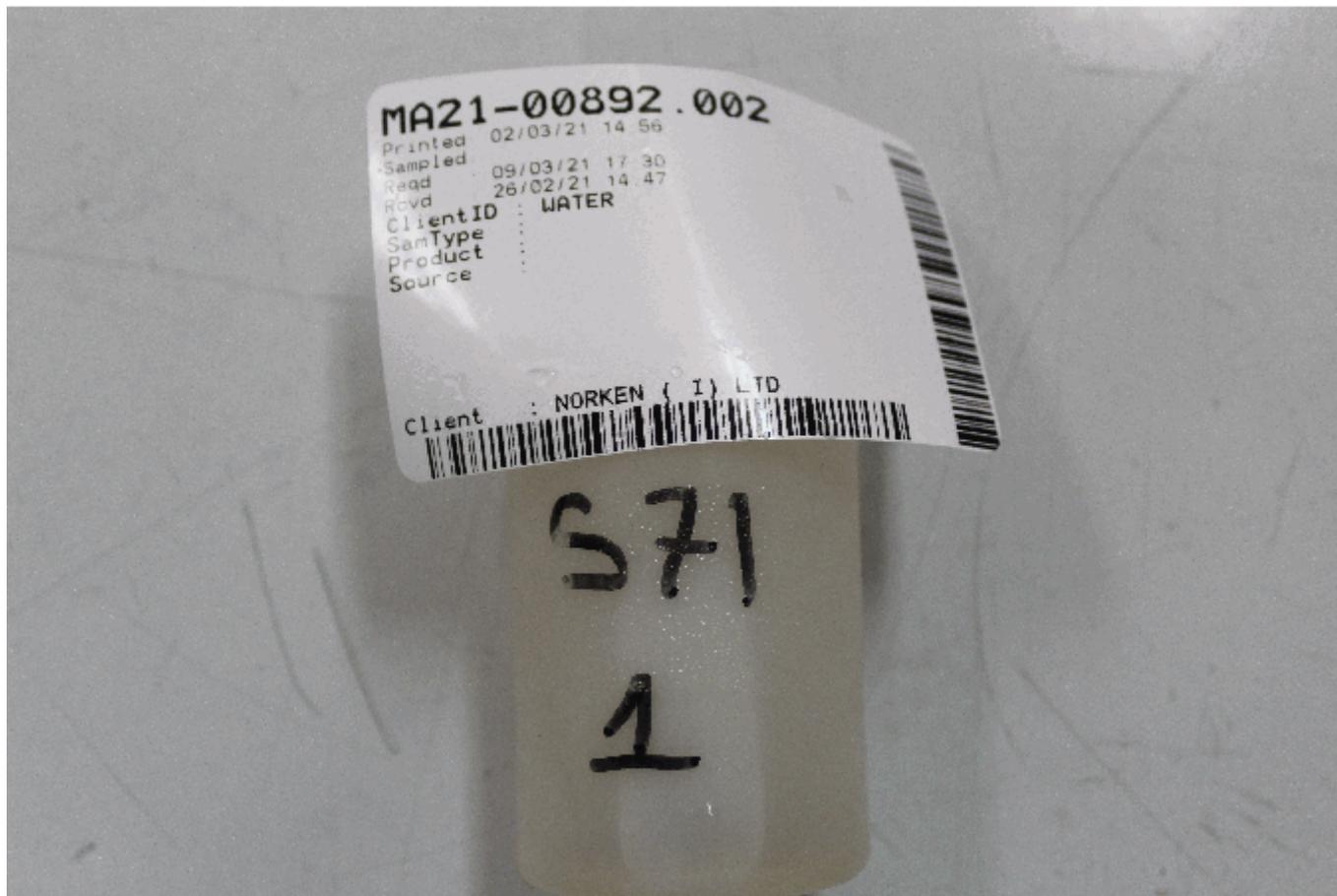
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MAZ1-00892.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211640 0000126927

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00892.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

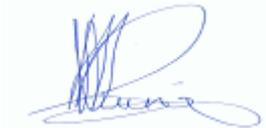
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 S31
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

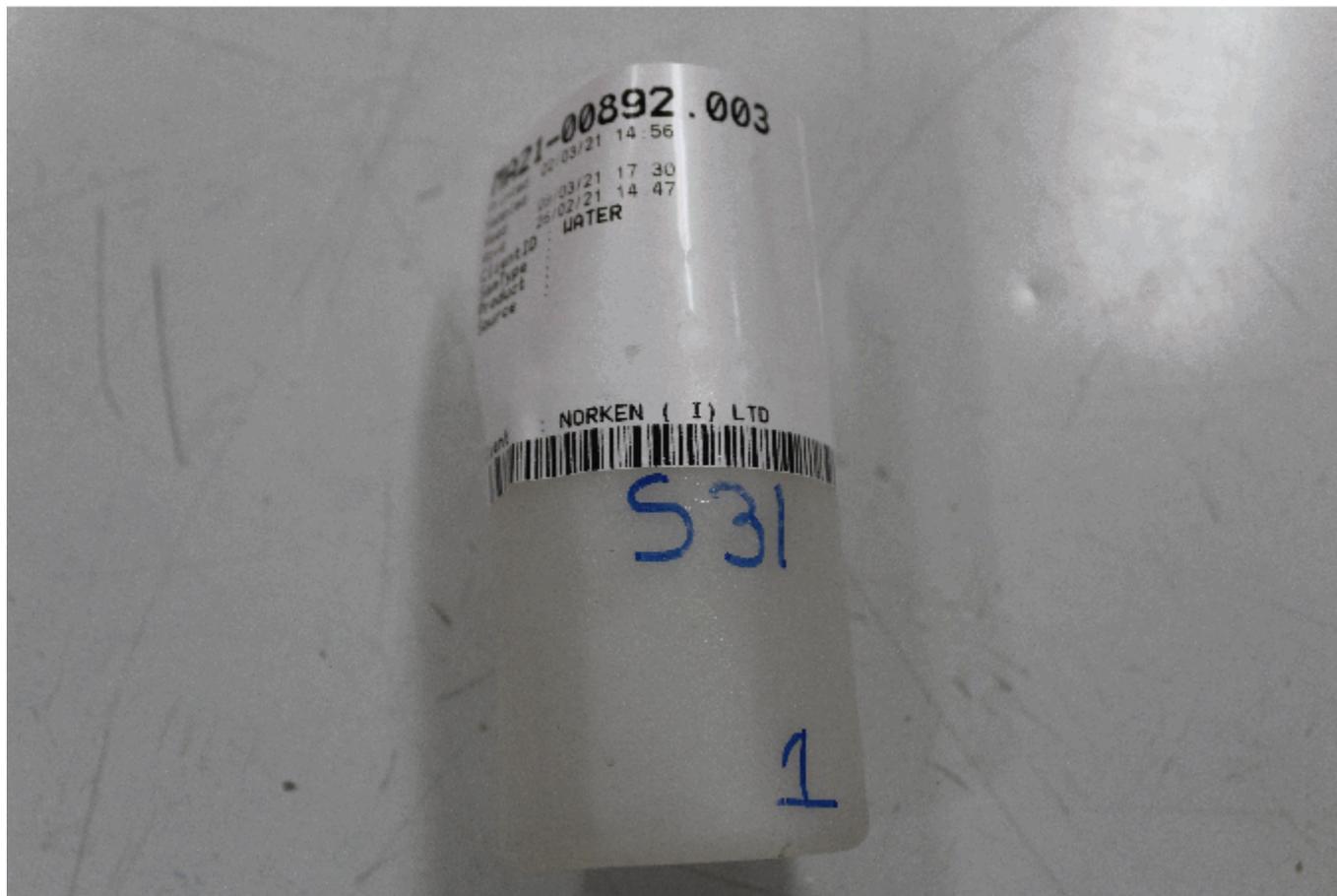
090320211640 0000126927

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211640 0000126927

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S11
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211640 0000126927

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

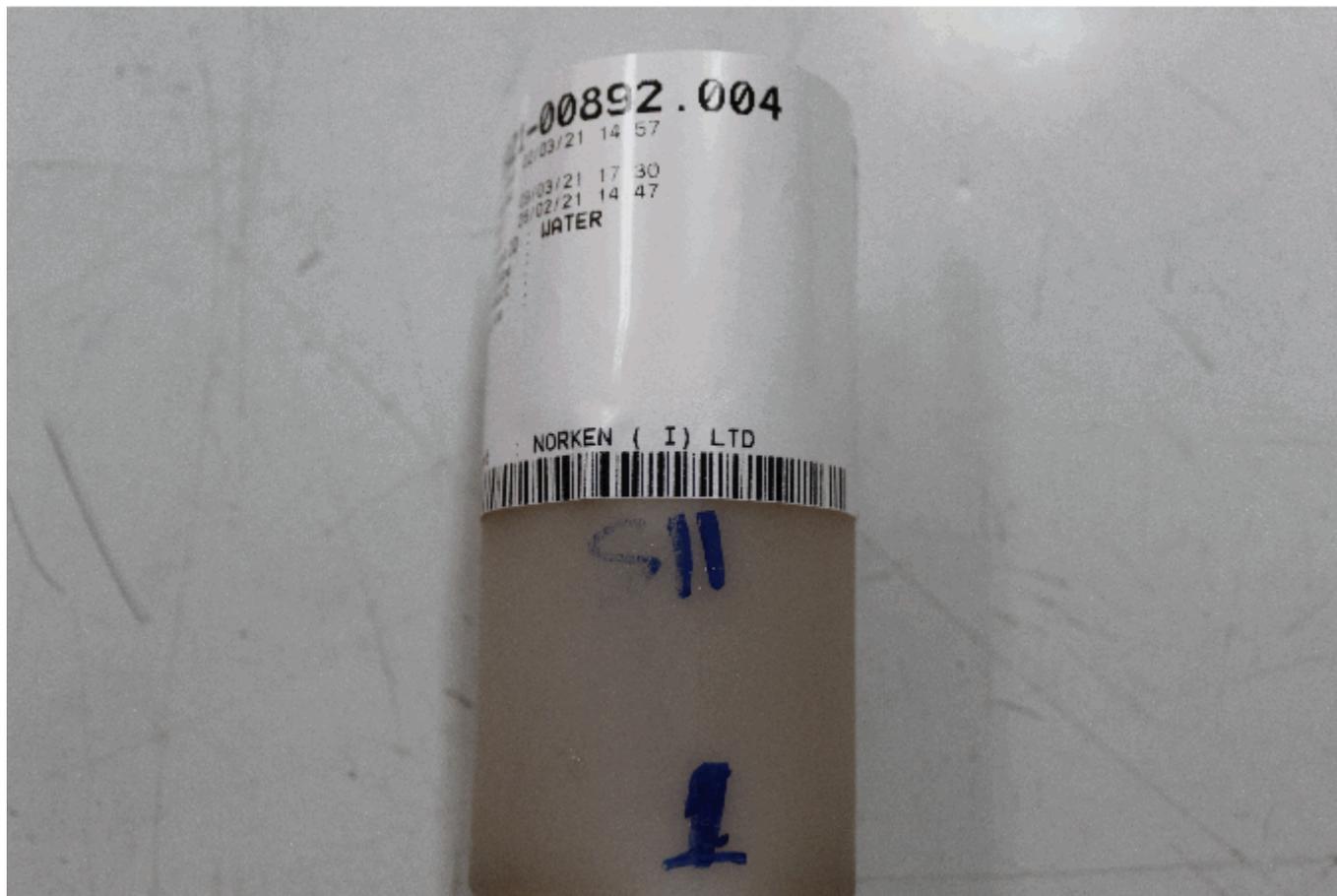
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00892.004

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211640 0000126927

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

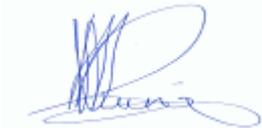
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S25
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

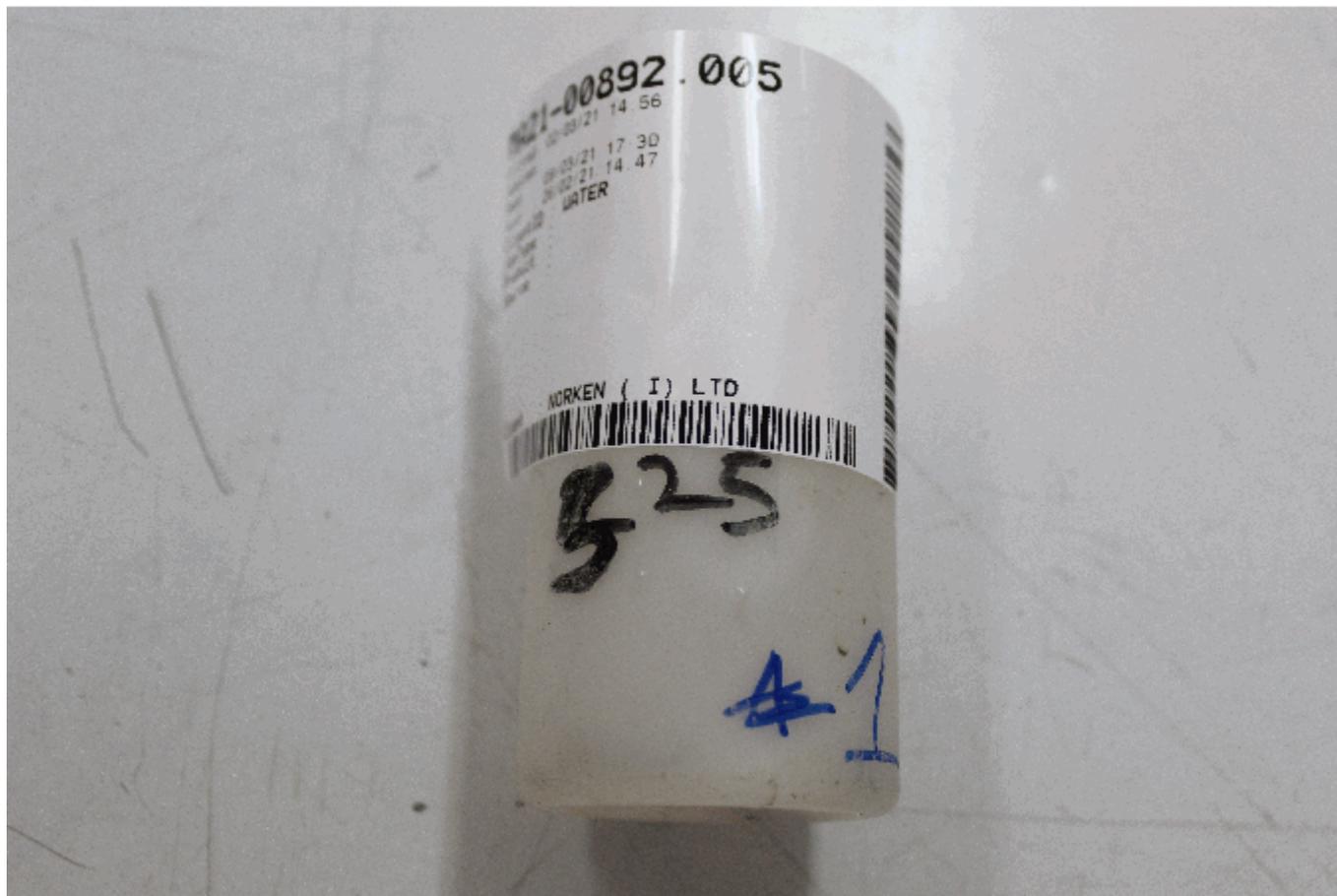
090320211642 0000126928

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211643 0000126928

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

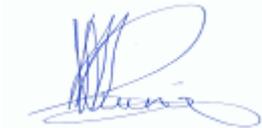
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S53
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

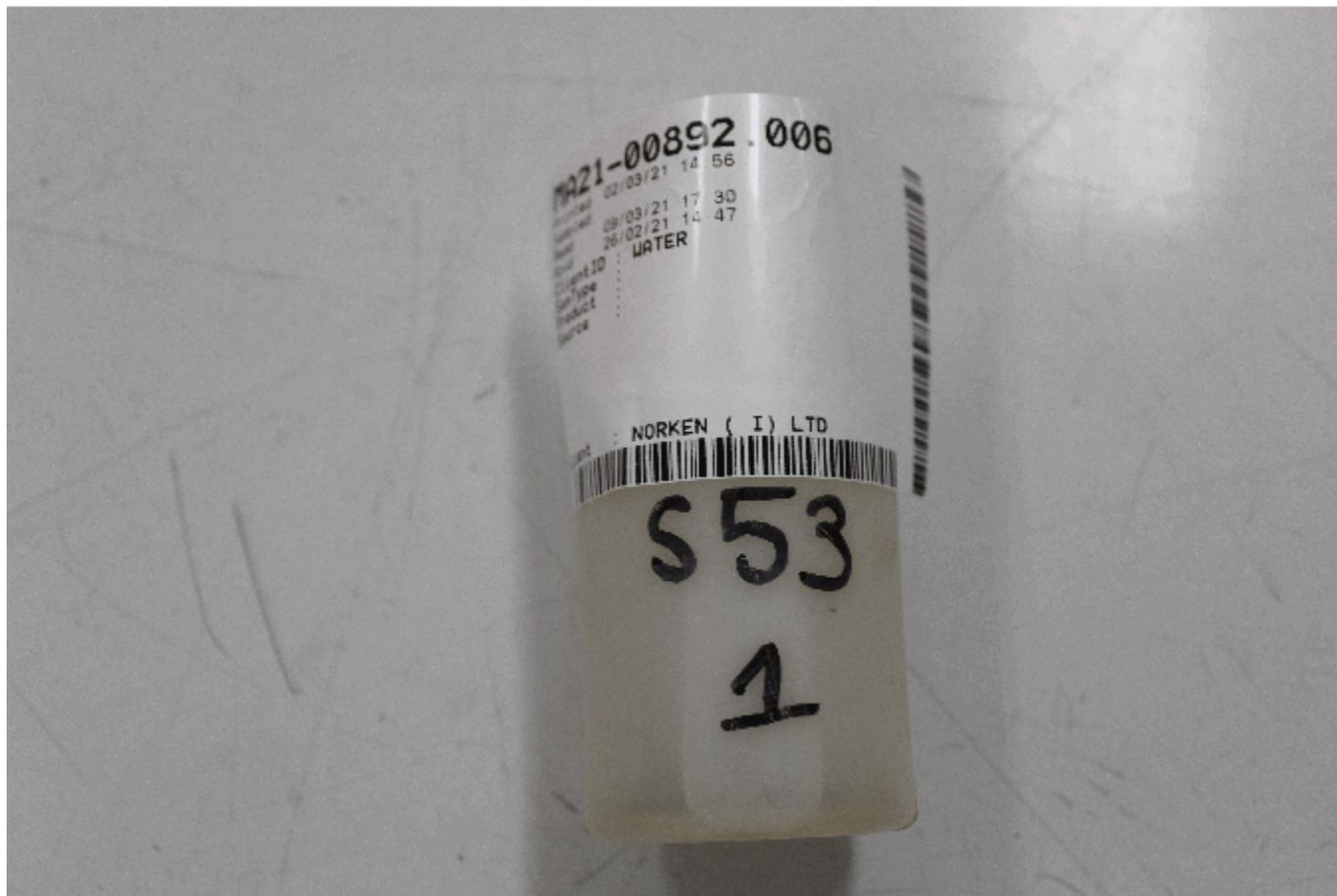
090320211643 0000126928

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211643 0000126928

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00892.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 S95
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	11	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

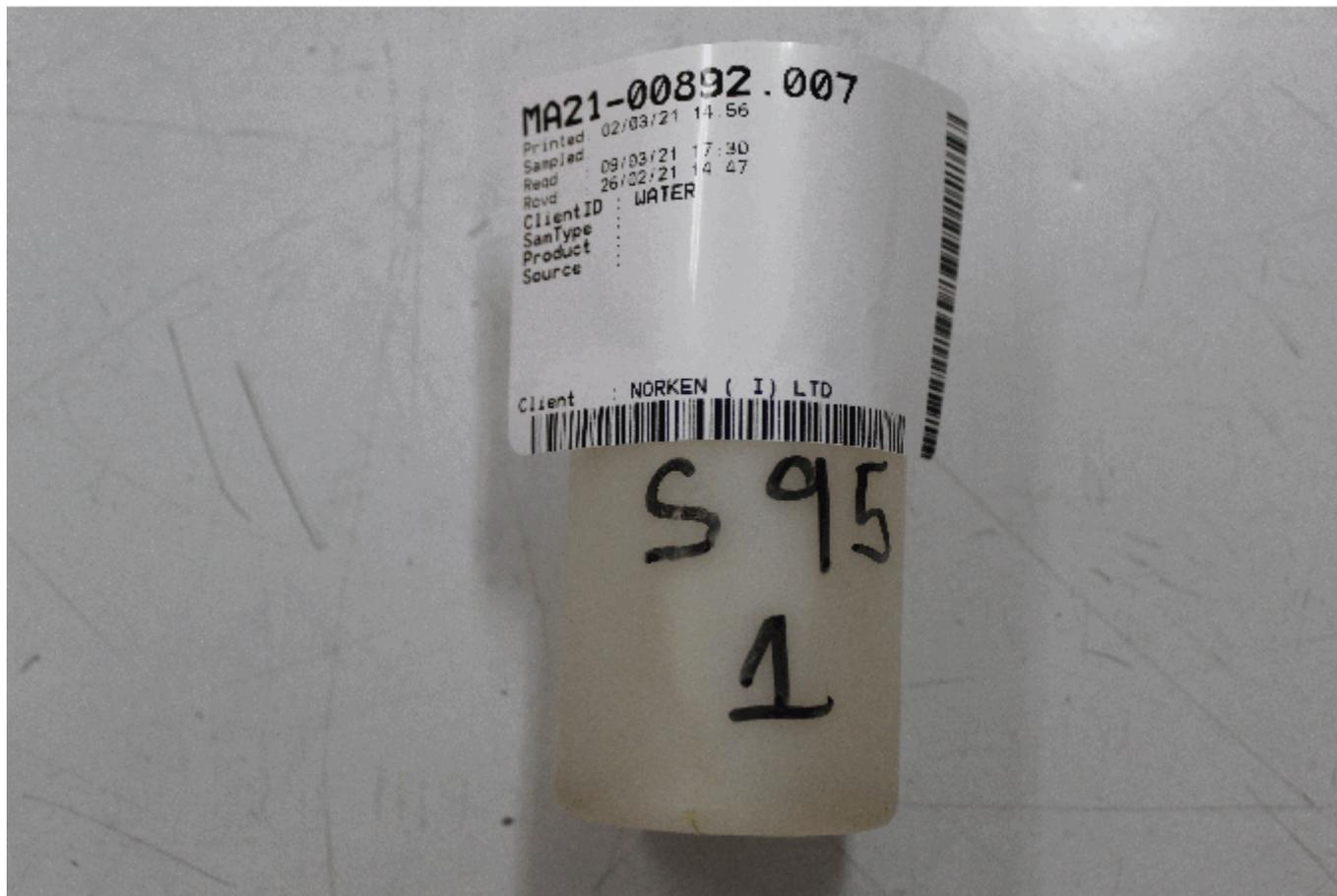
090320211643 0000126928

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211643 0000126928

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

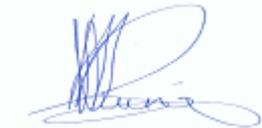
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S65
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	5	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211643 0000126928

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

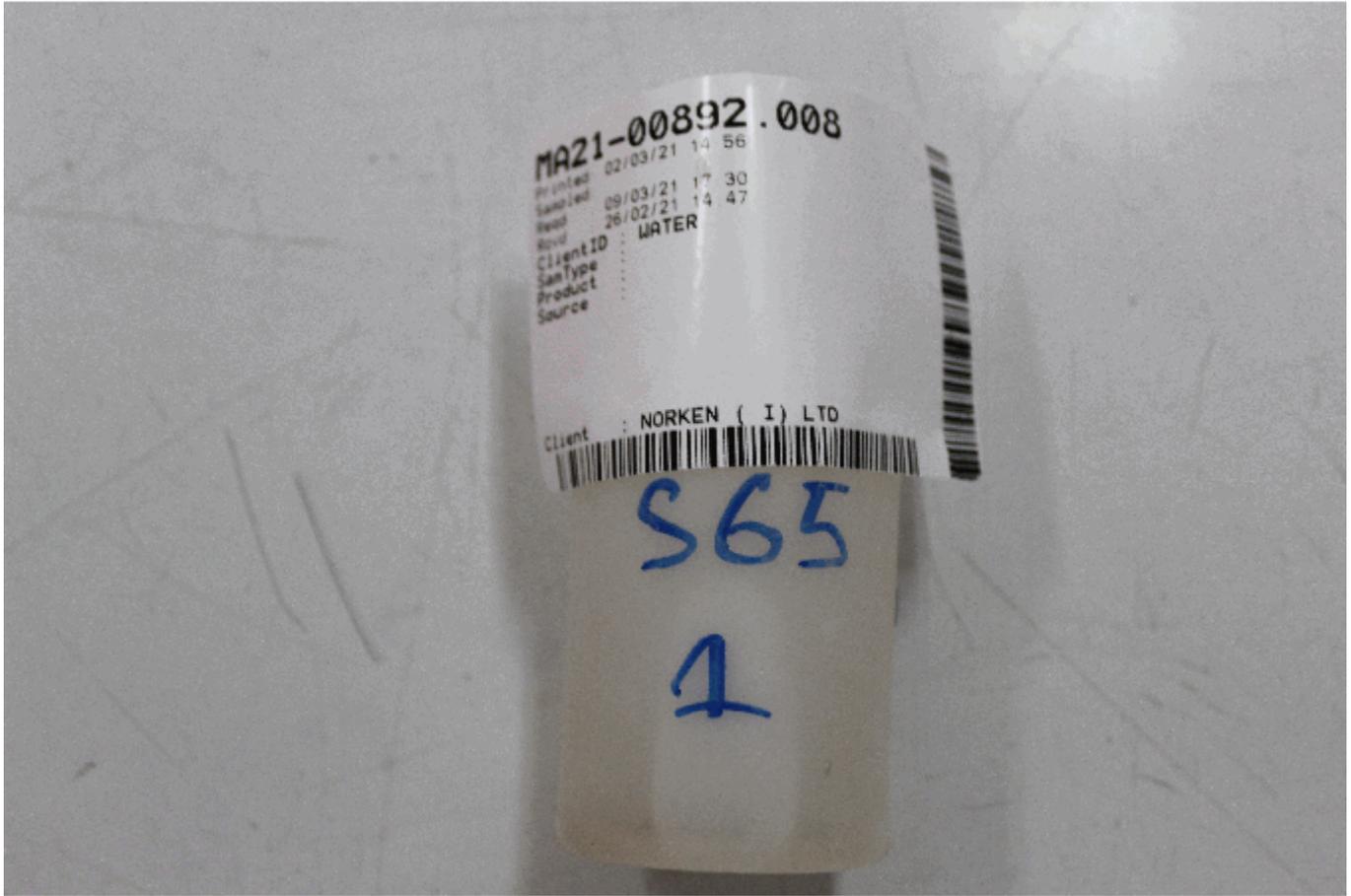
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00892.008

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211643 0000126928

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

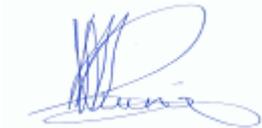
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S37
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211644 0000126930

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

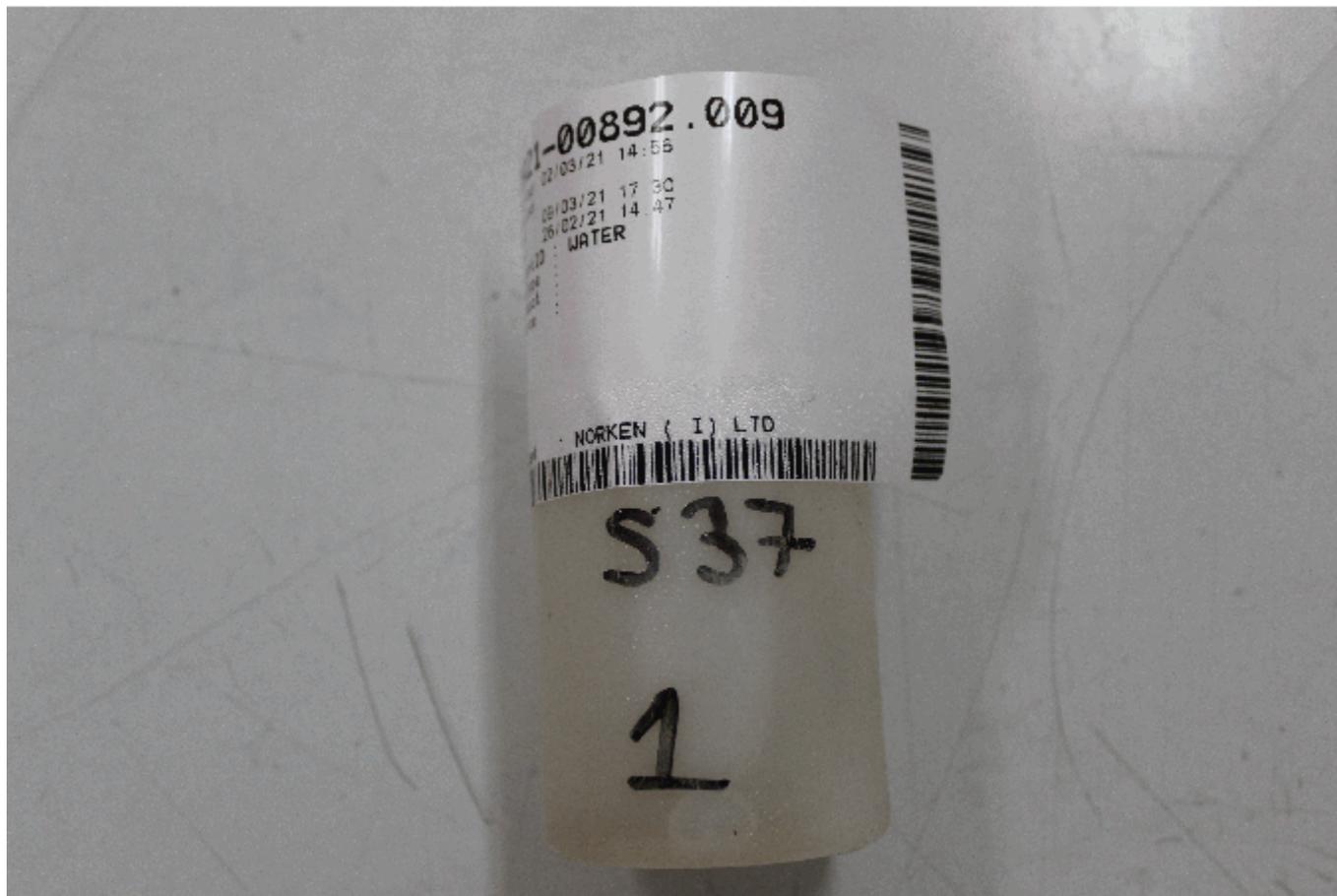
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00892.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211645 0000126930

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

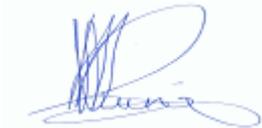
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S43
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

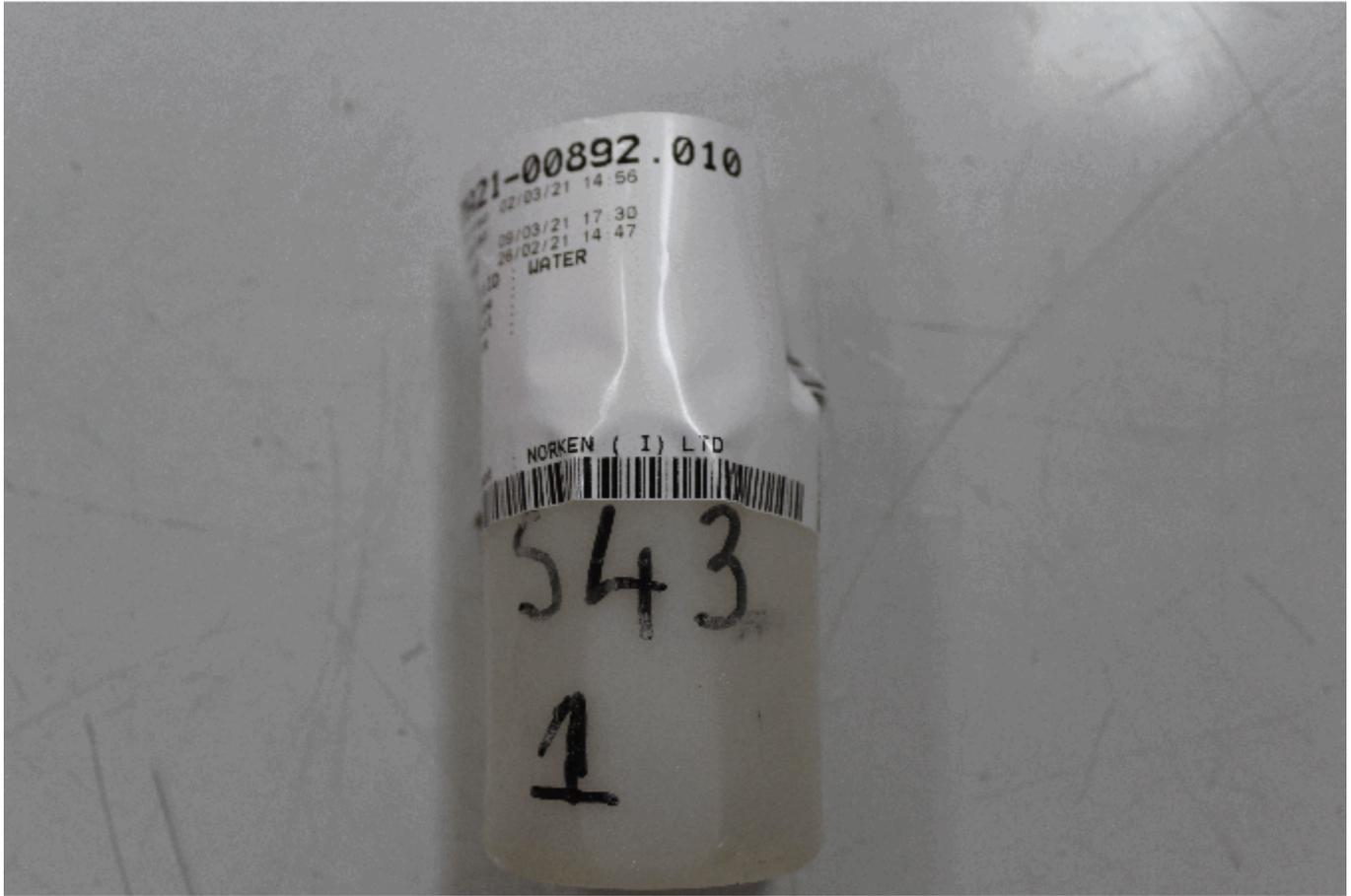
090320211645 0000126930

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211645 0000126930

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

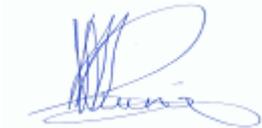
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S80
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

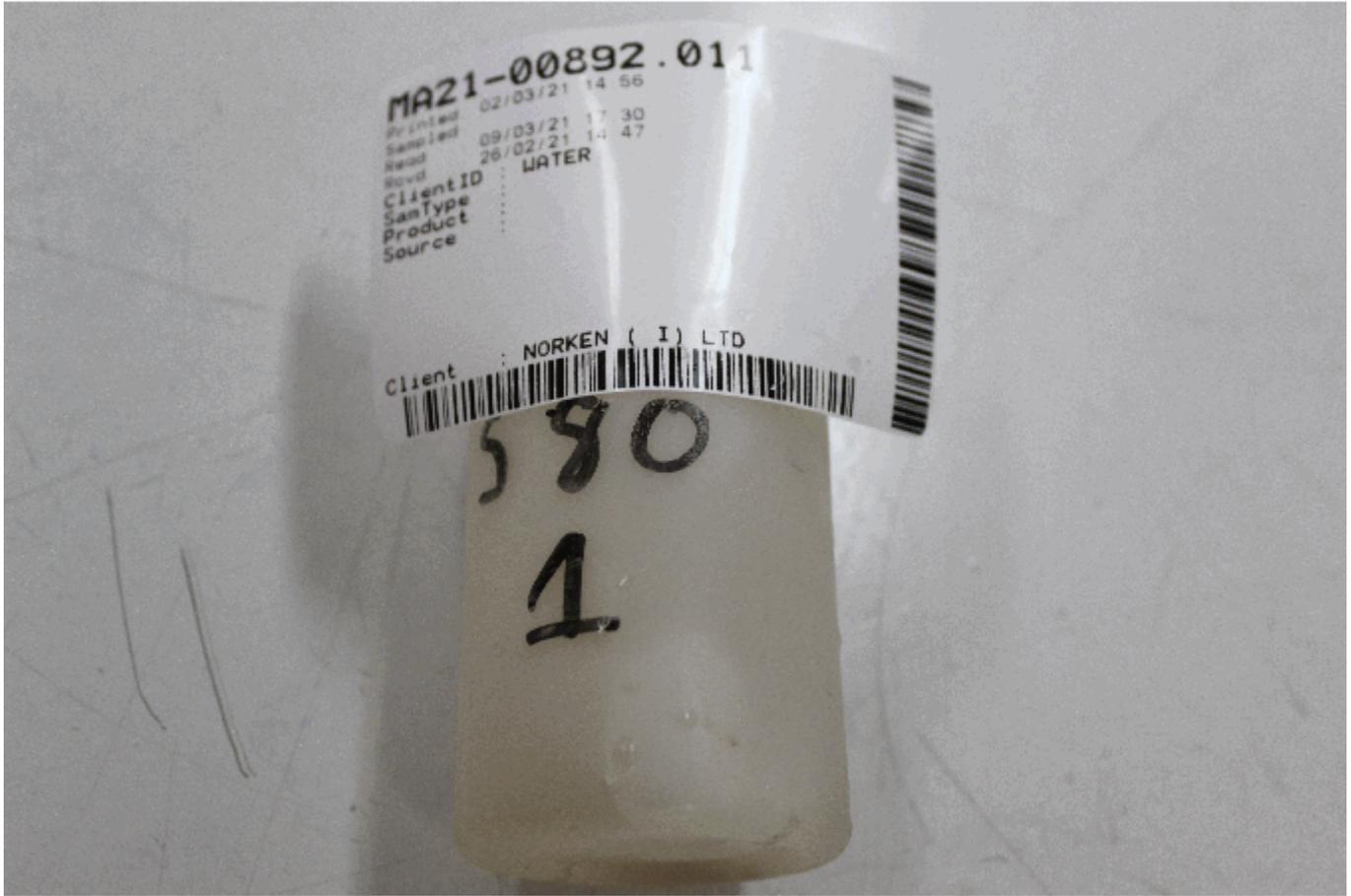
090320211645 0000126930

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211645 0000126930

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

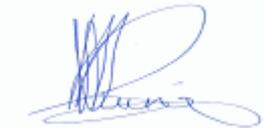
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S47
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

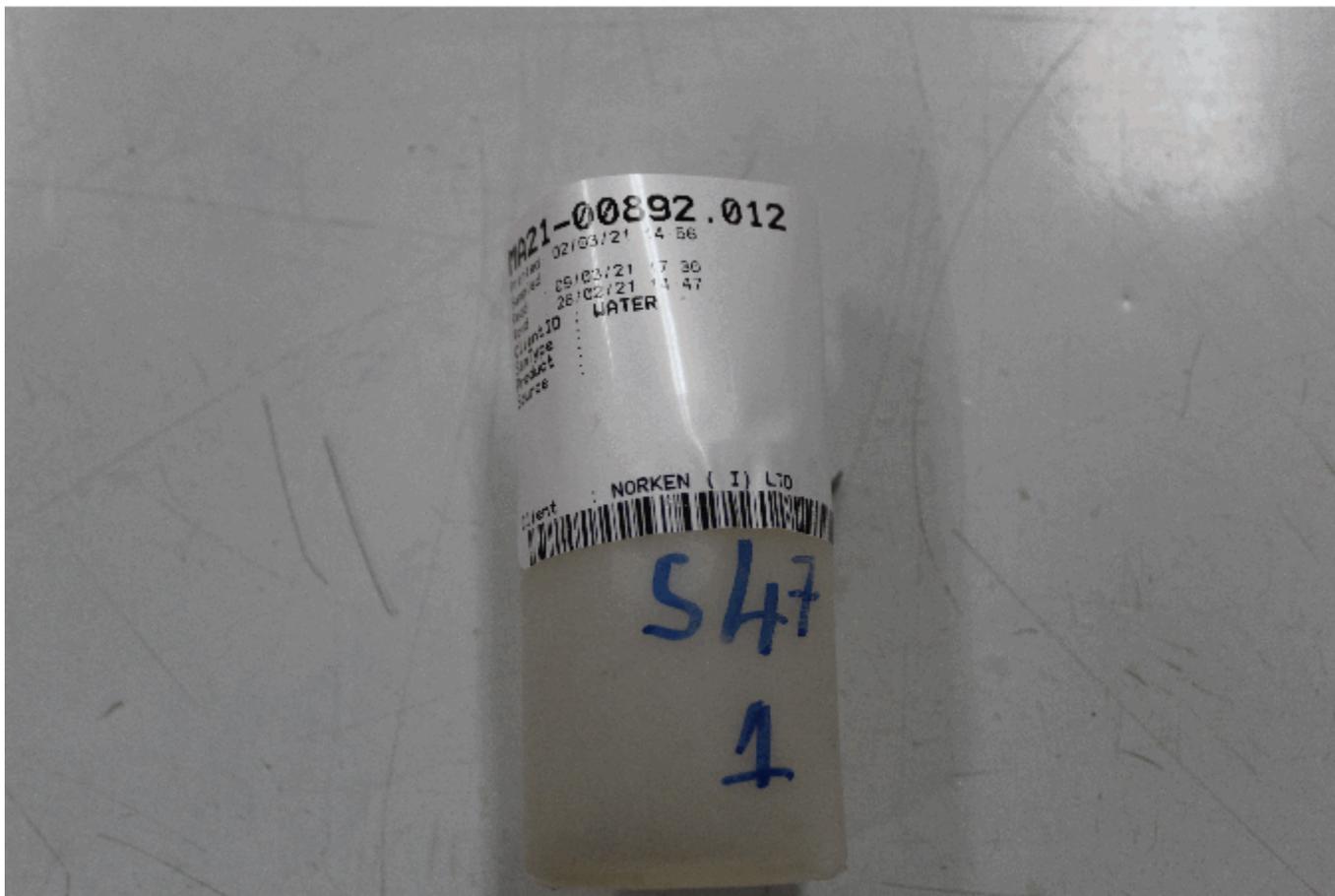
090320211645 0000126930

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.012

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211645 0000126930

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S19
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211647 0000126932

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

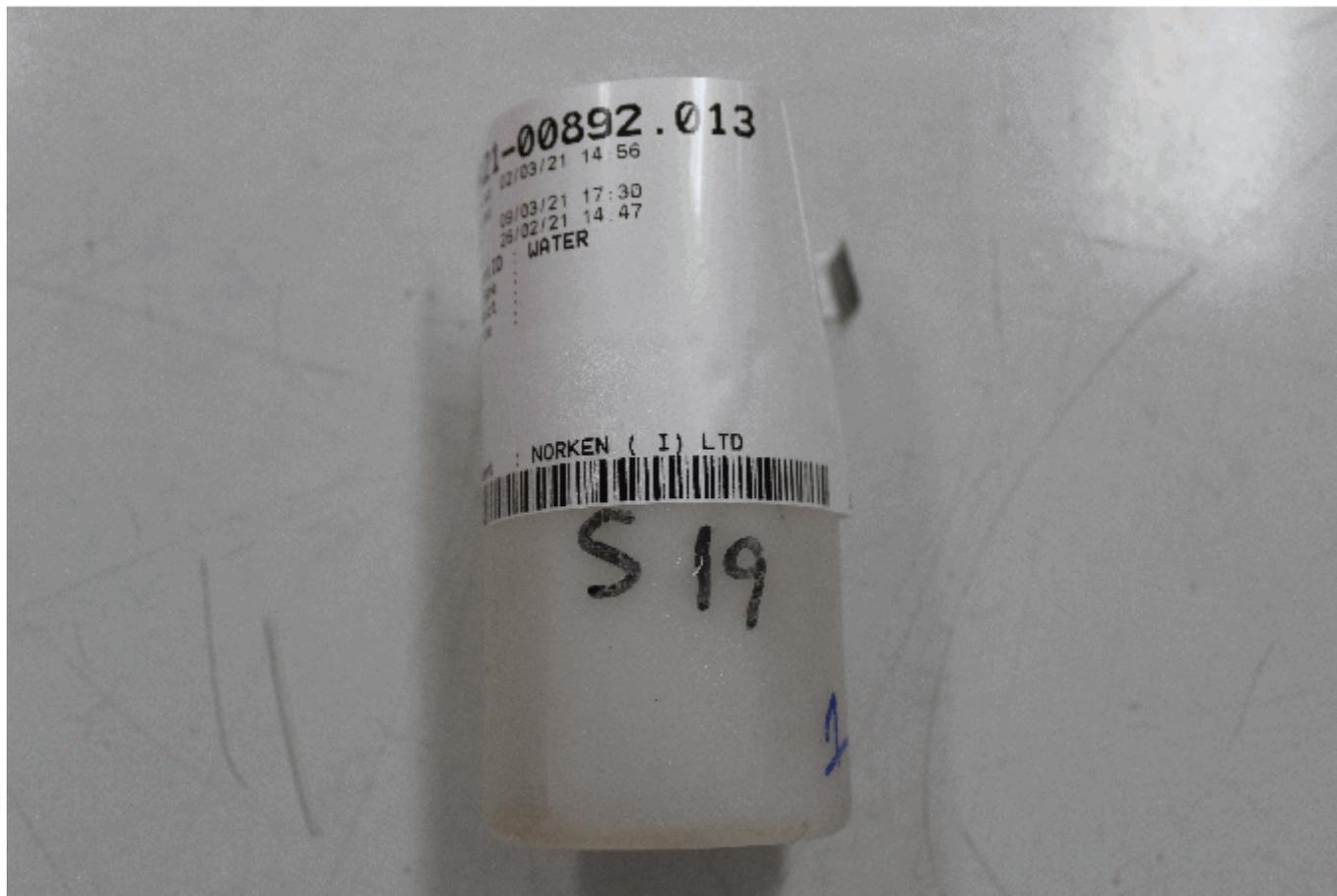
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00892.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211648 0000126932

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.014

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S59
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

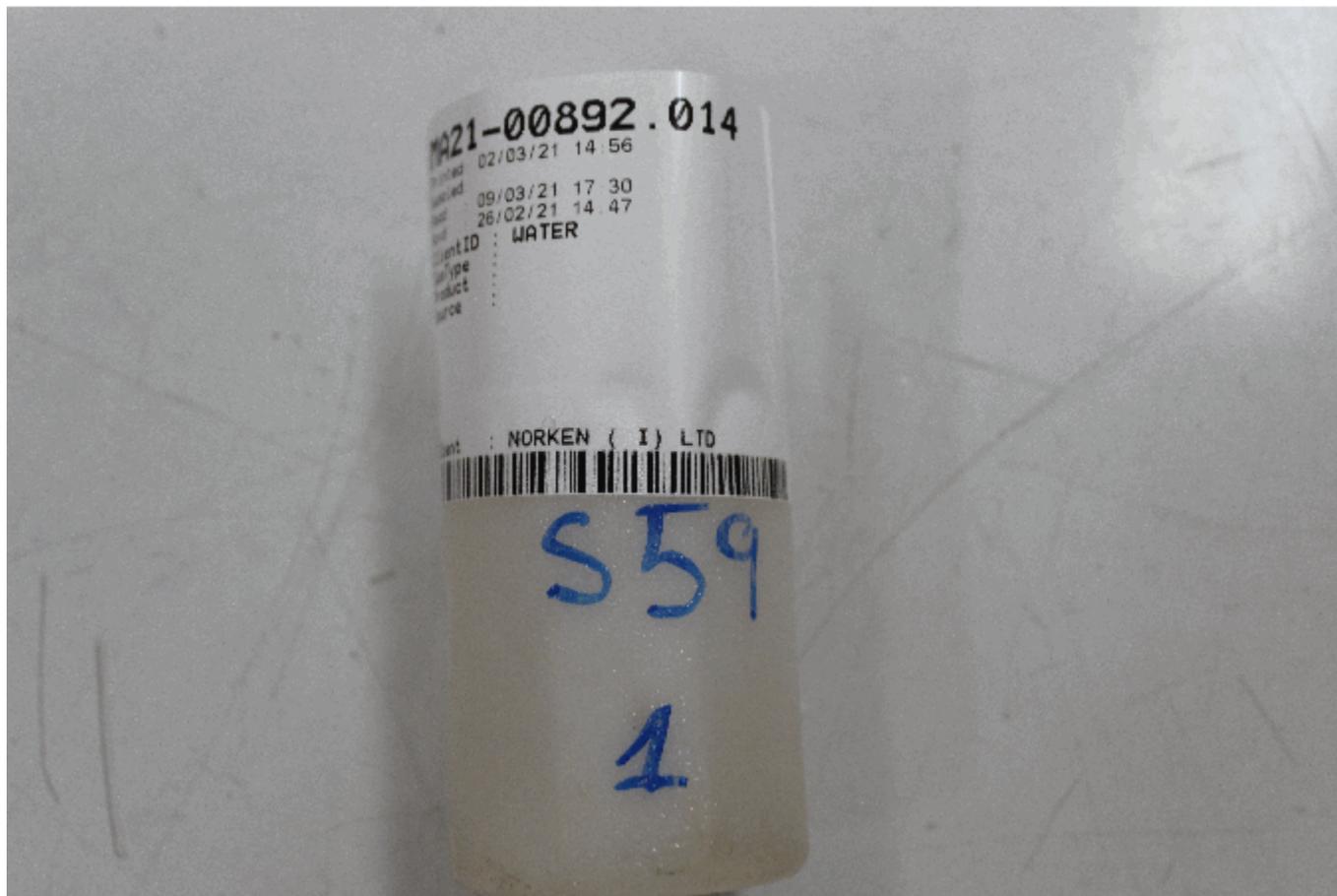
090320211648 0000126932

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.014

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211648 0000126932

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.015

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

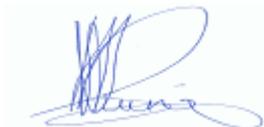
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S6
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

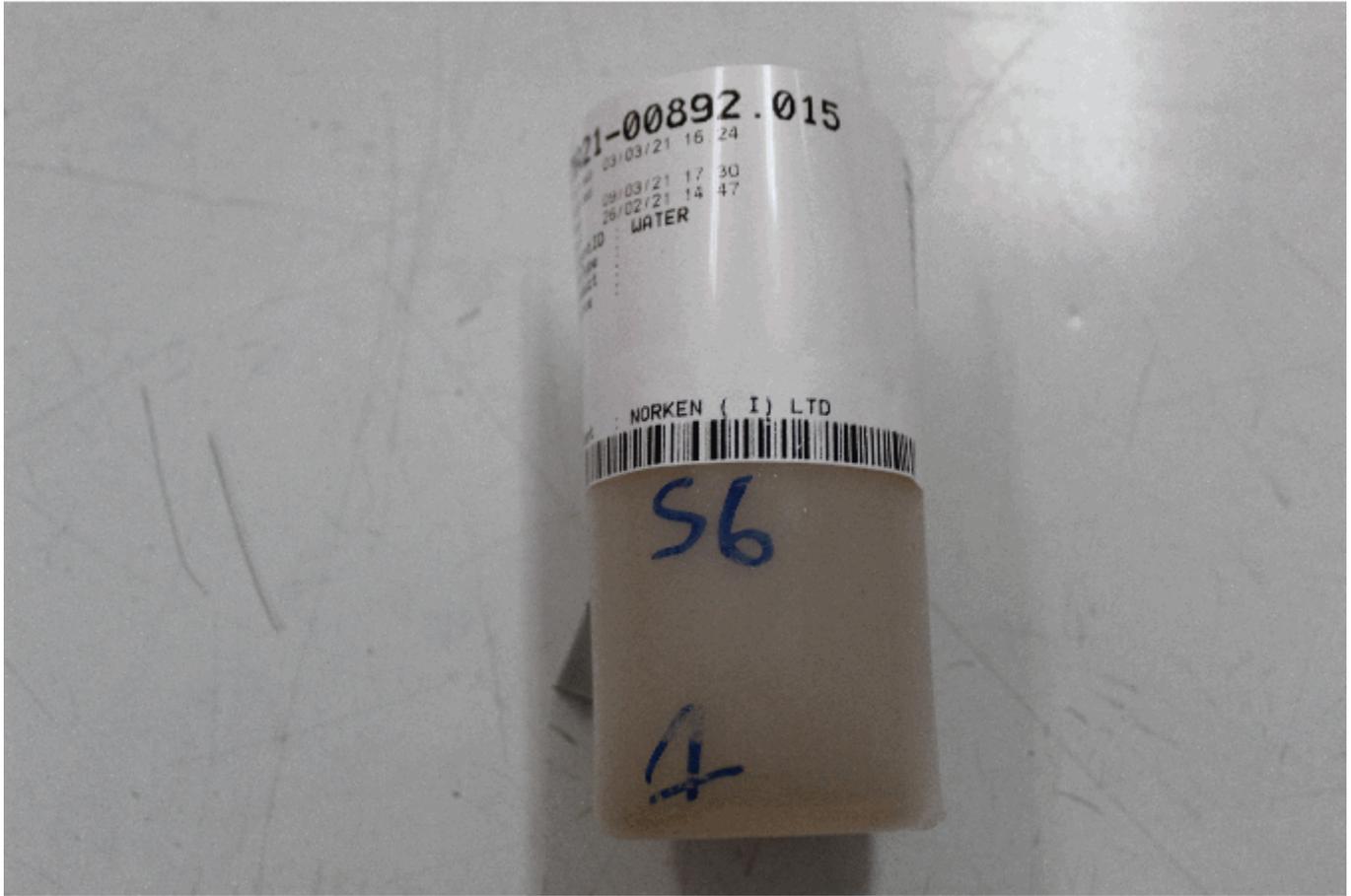
090320211648 0000126932

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00892.015

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211648 0000126932

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00892.016

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S77
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211648 0000126932

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

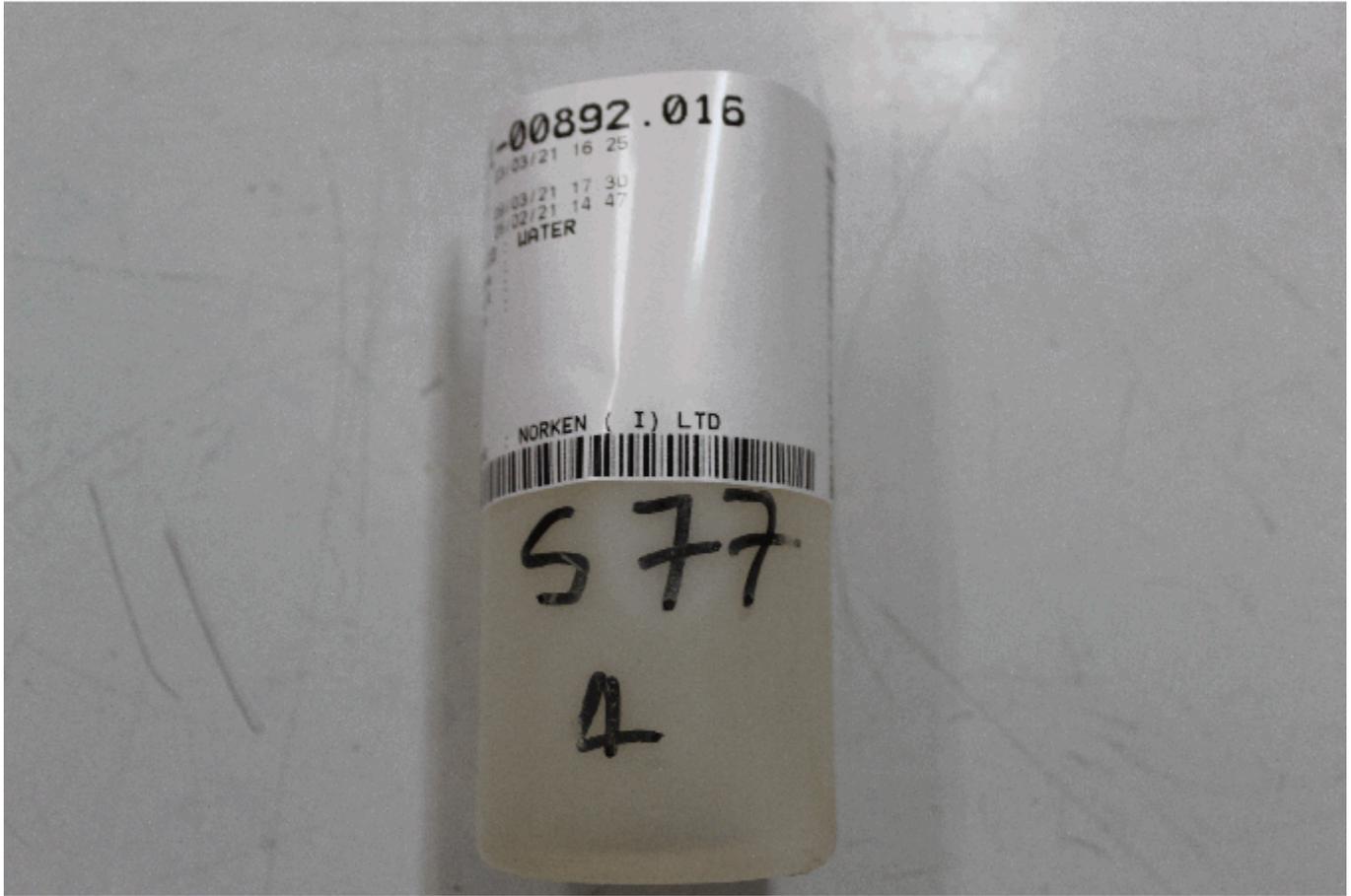
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00892.016

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211648 0000126932

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.001

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

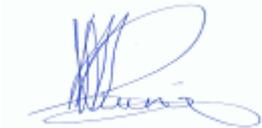
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S143
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211653 0000126934

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

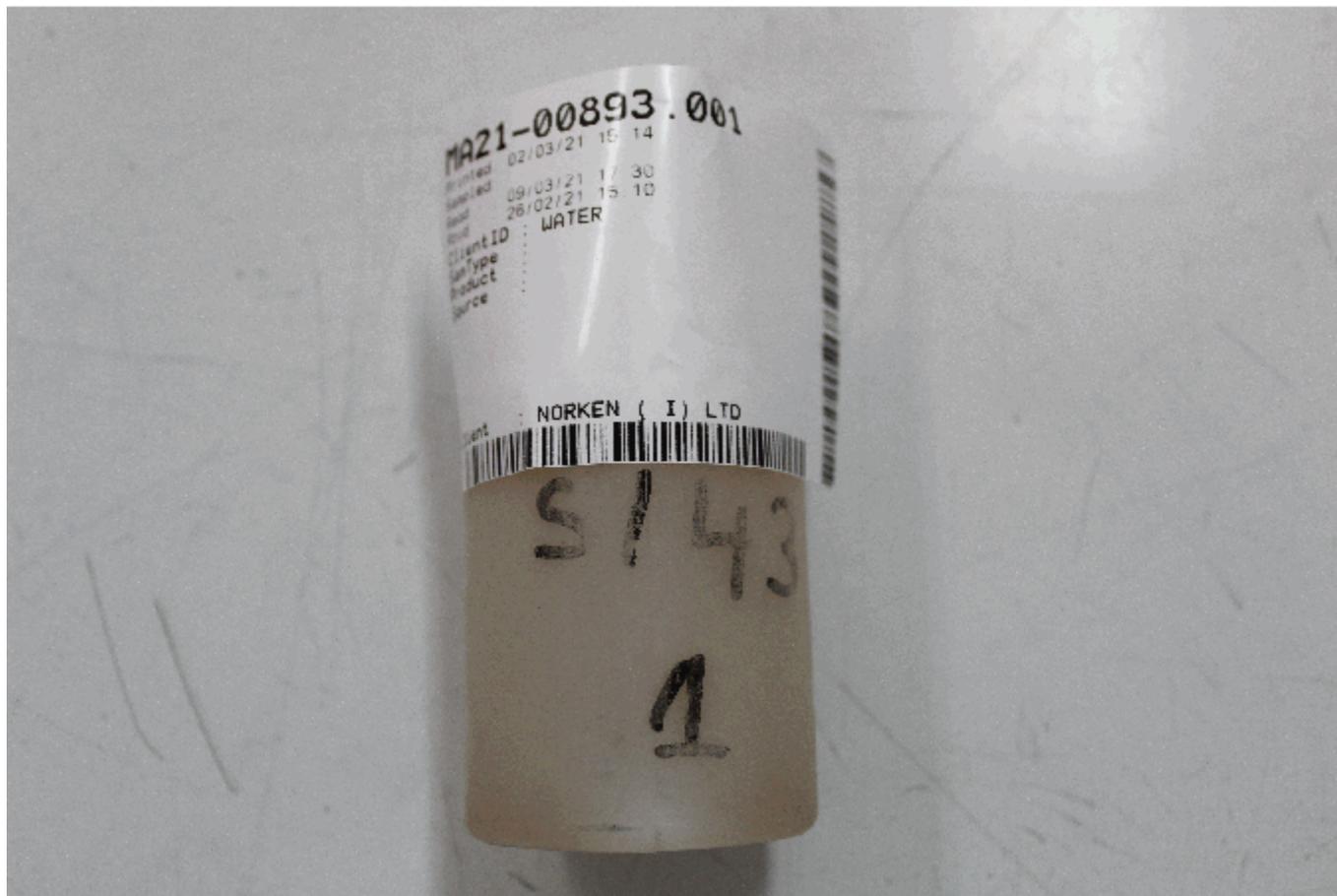
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00893.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211654 0000126934

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.002

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S156
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	7	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211654 0000126934

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

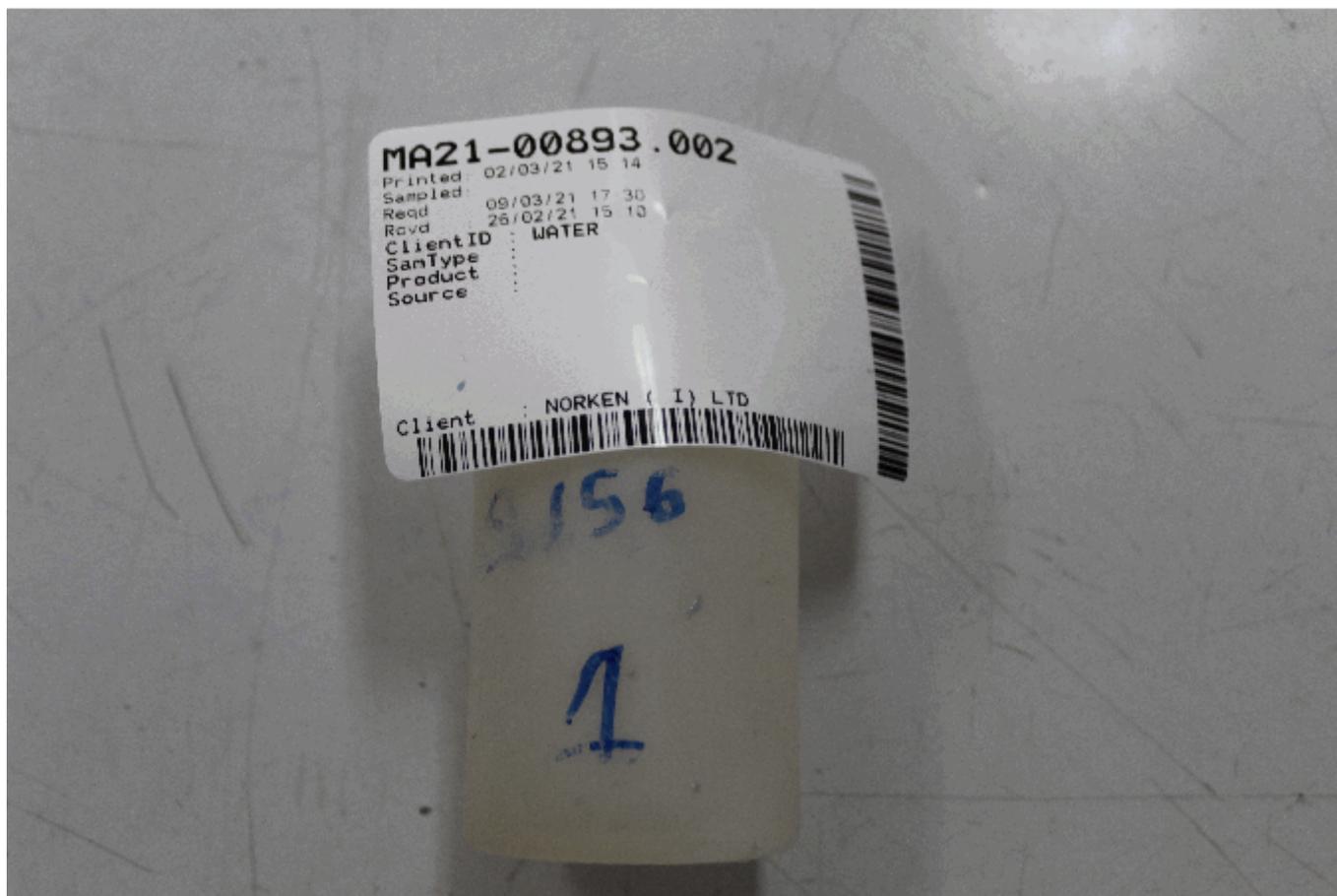
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00893.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211654 0000126934

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00893.003

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

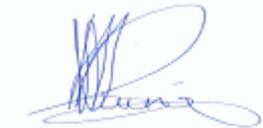
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 S107
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

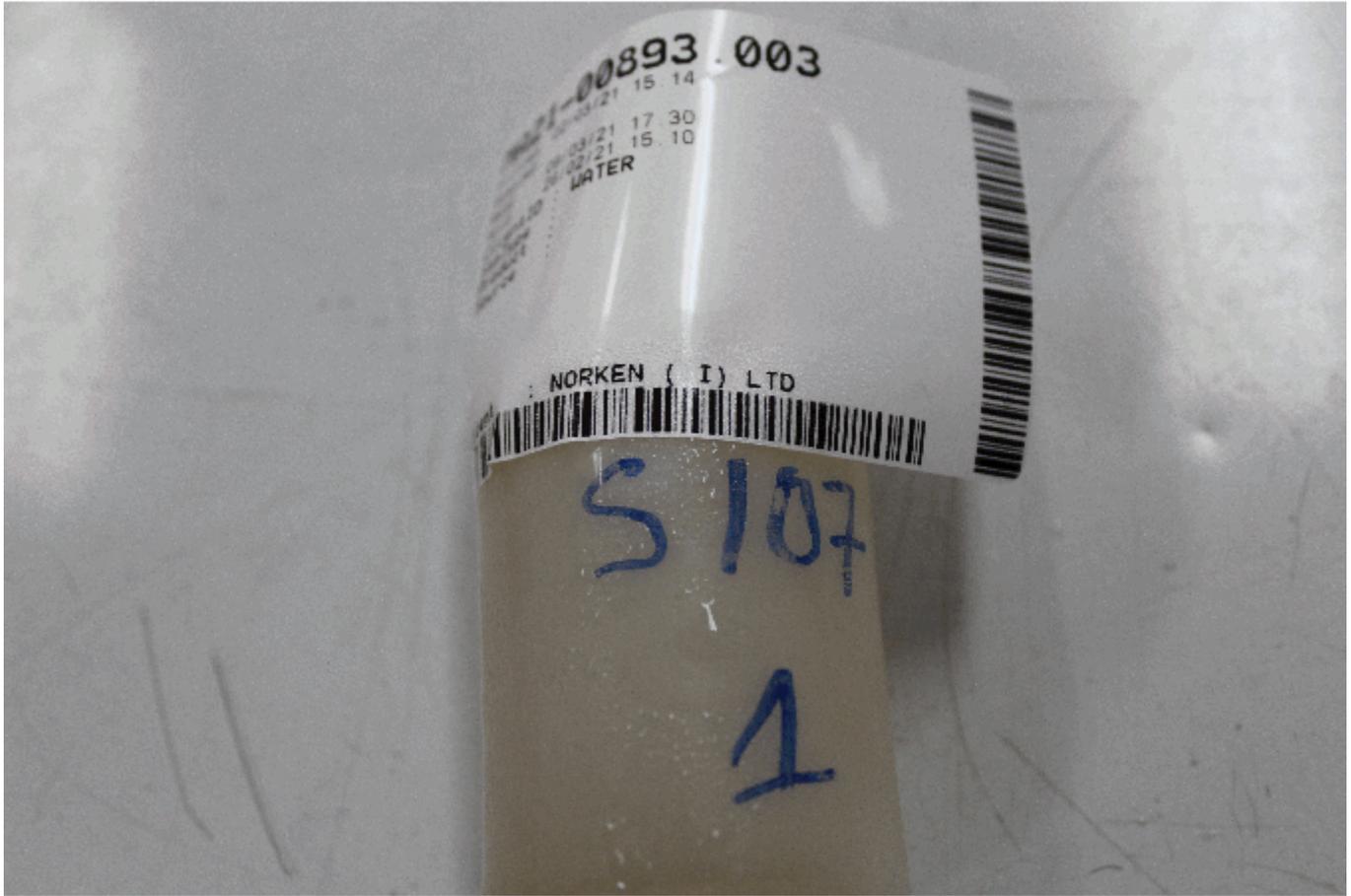
090320211654 0000126934

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00893.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211654 0000126934

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.004

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S174
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

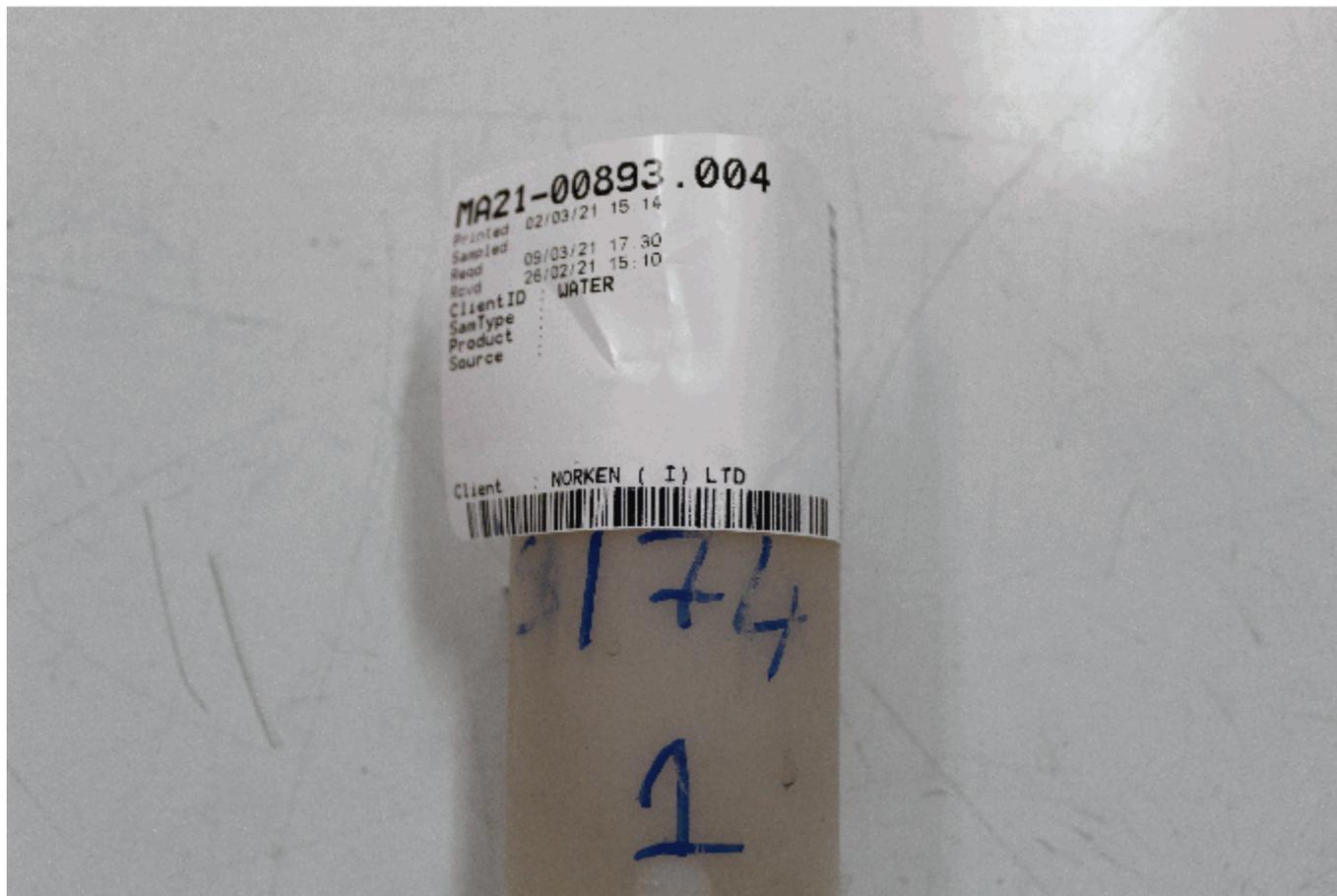
090320211654 0000126934

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00893.004

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211654 0000126934

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.005

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

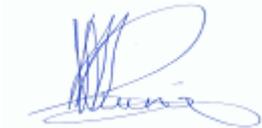
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S101
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211656 0000126935

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

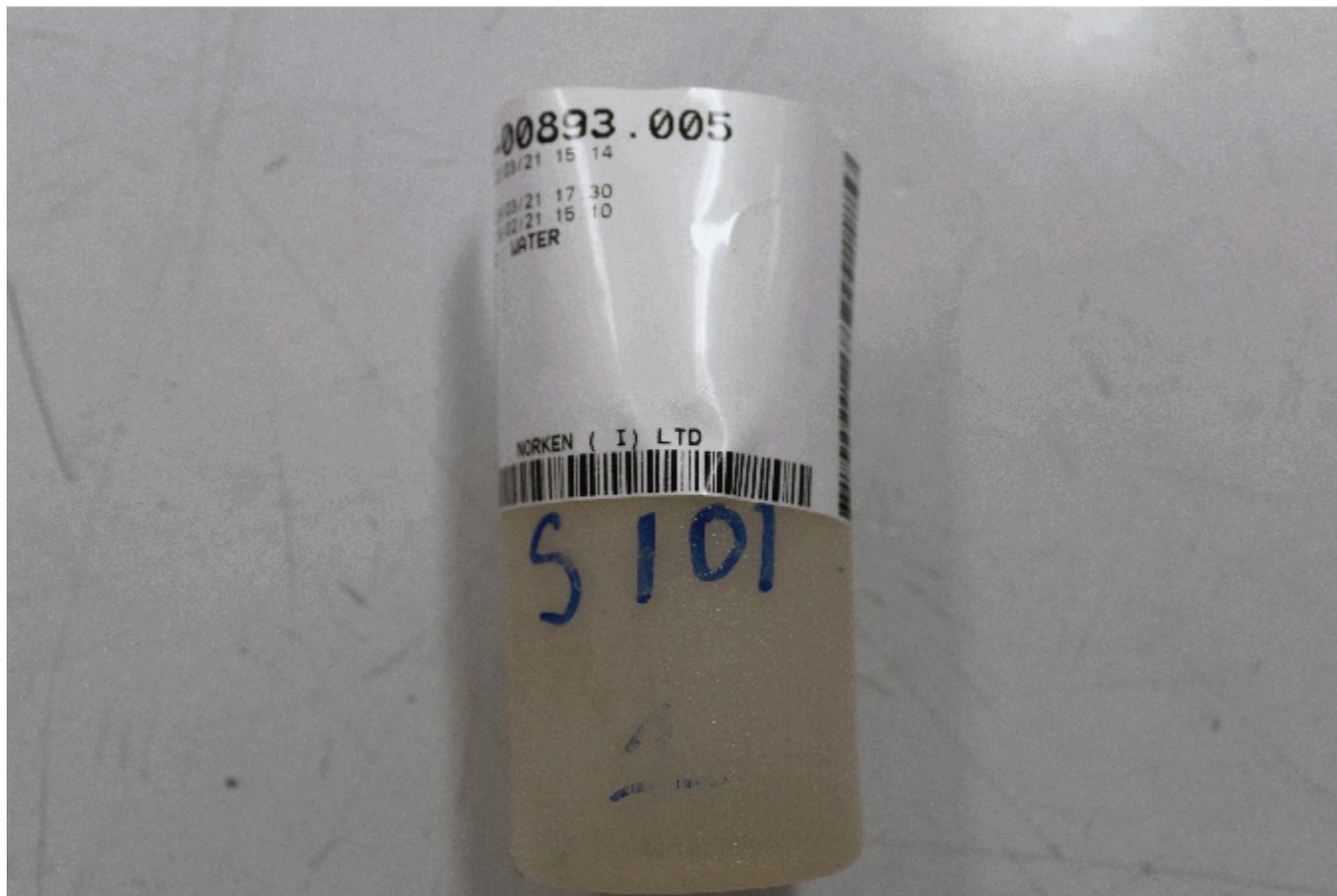
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00893.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211657 0000126935

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00893.006

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

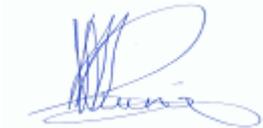
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 S113
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	5	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

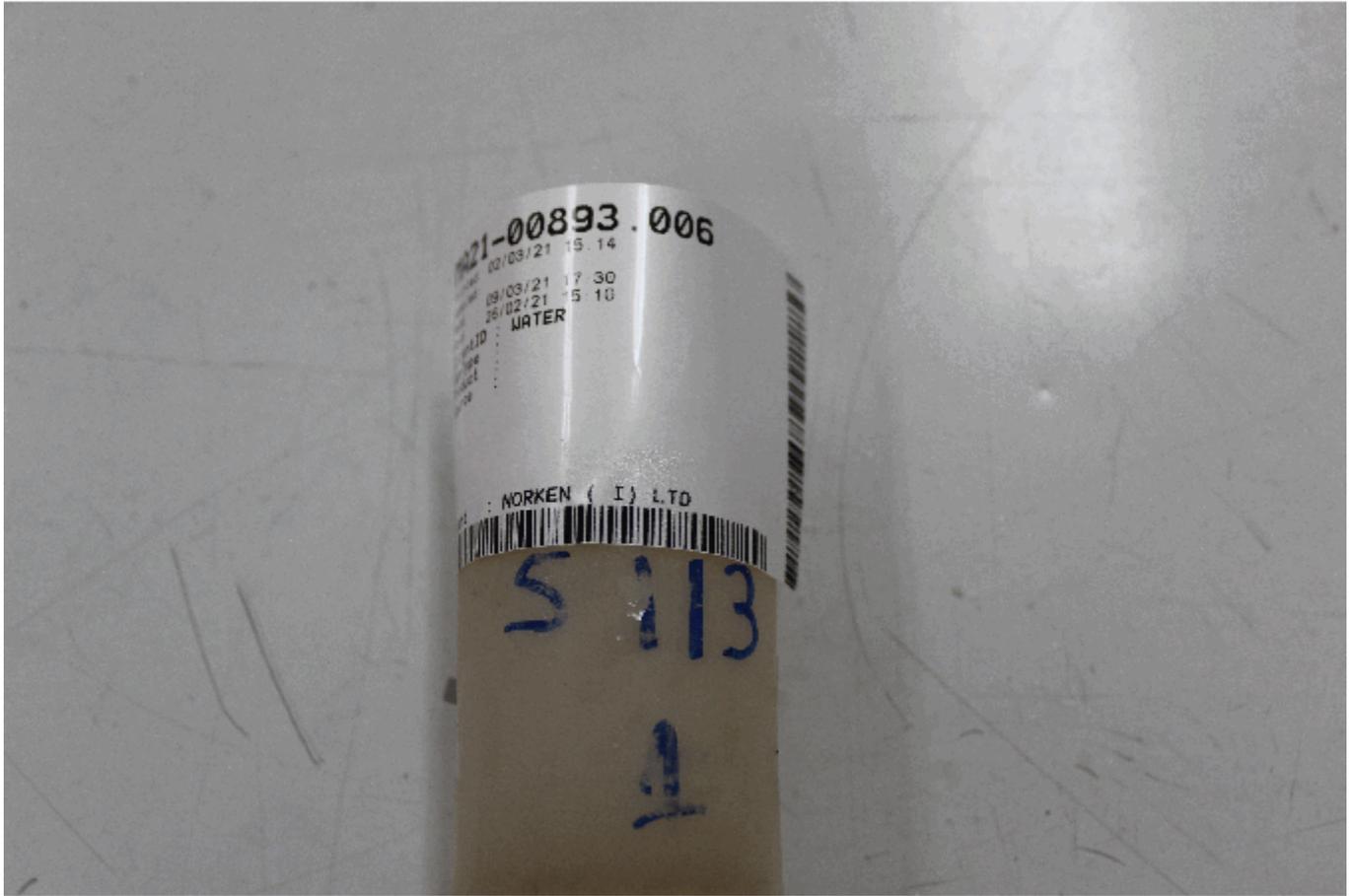
090320211657 0000126935

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00893.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211657 0000126935

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.007

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

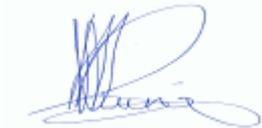
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S162
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211657 0000126935

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

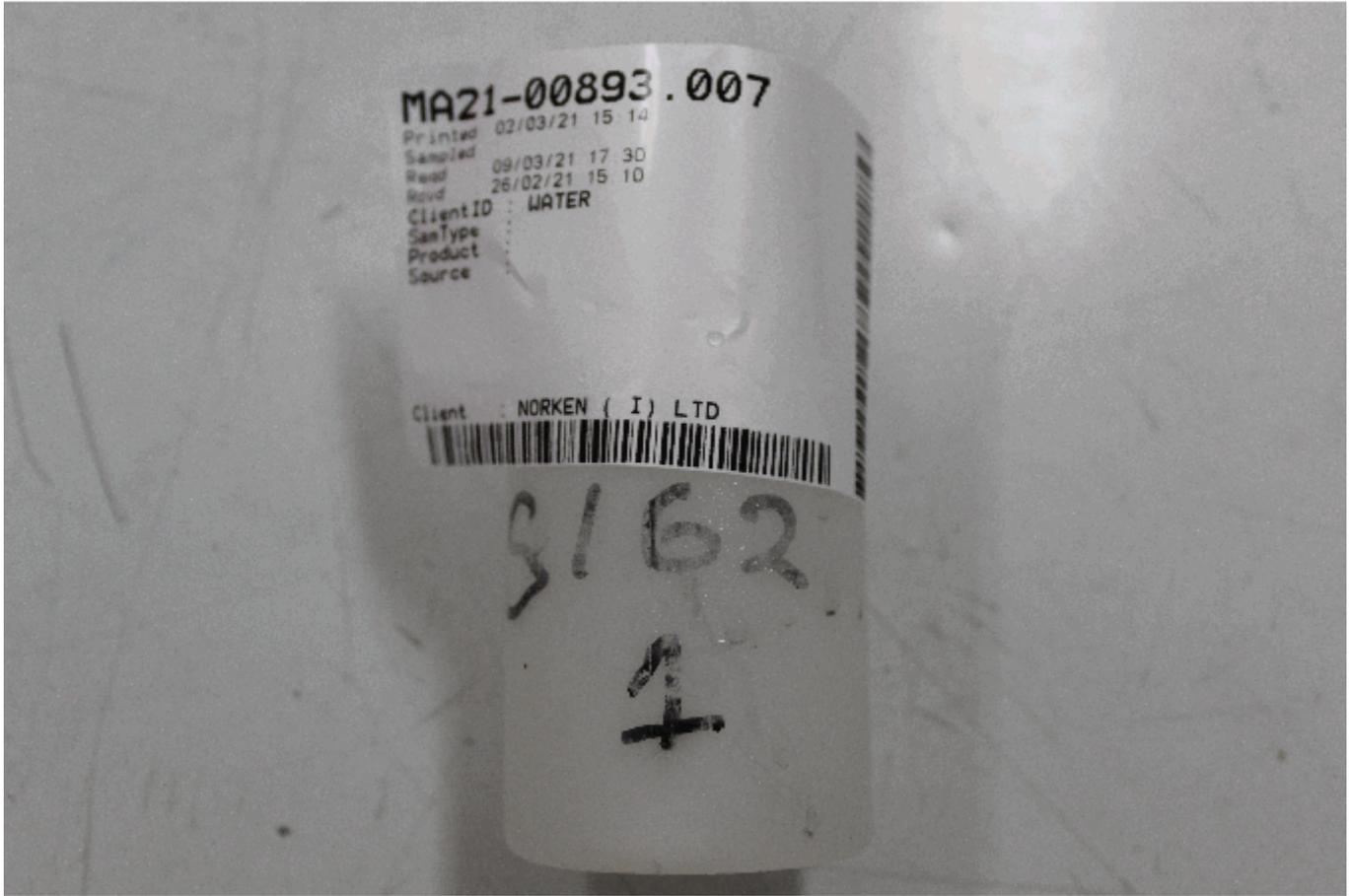
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00893.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211657 0000126935

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.008

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

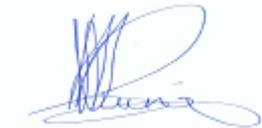
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S168
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211657 0000126935

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

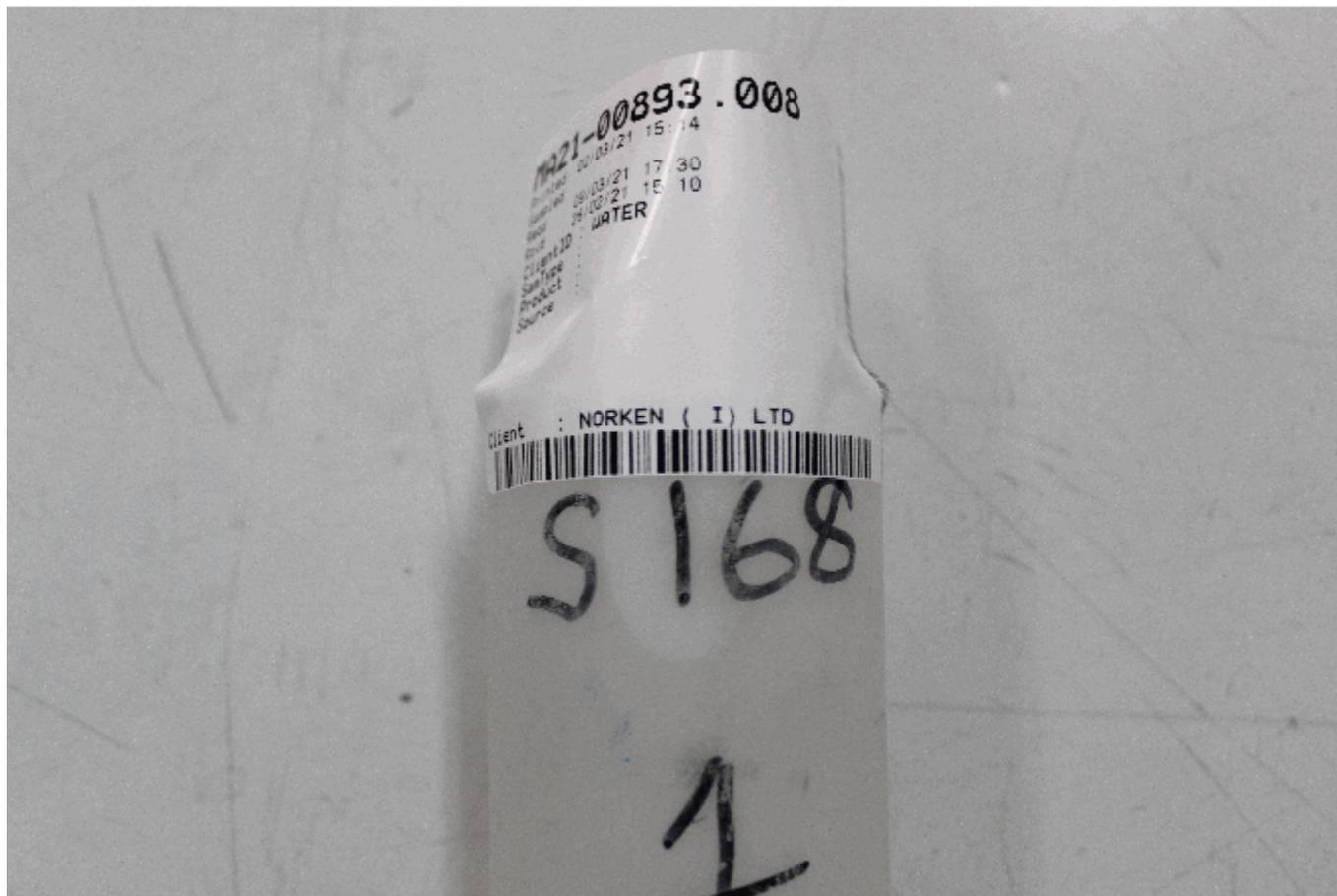
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00893.008

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211657 0000126935

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.009

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

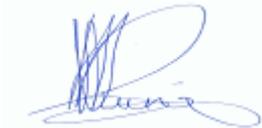
SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S135
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211659 0000126936

Page 1 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

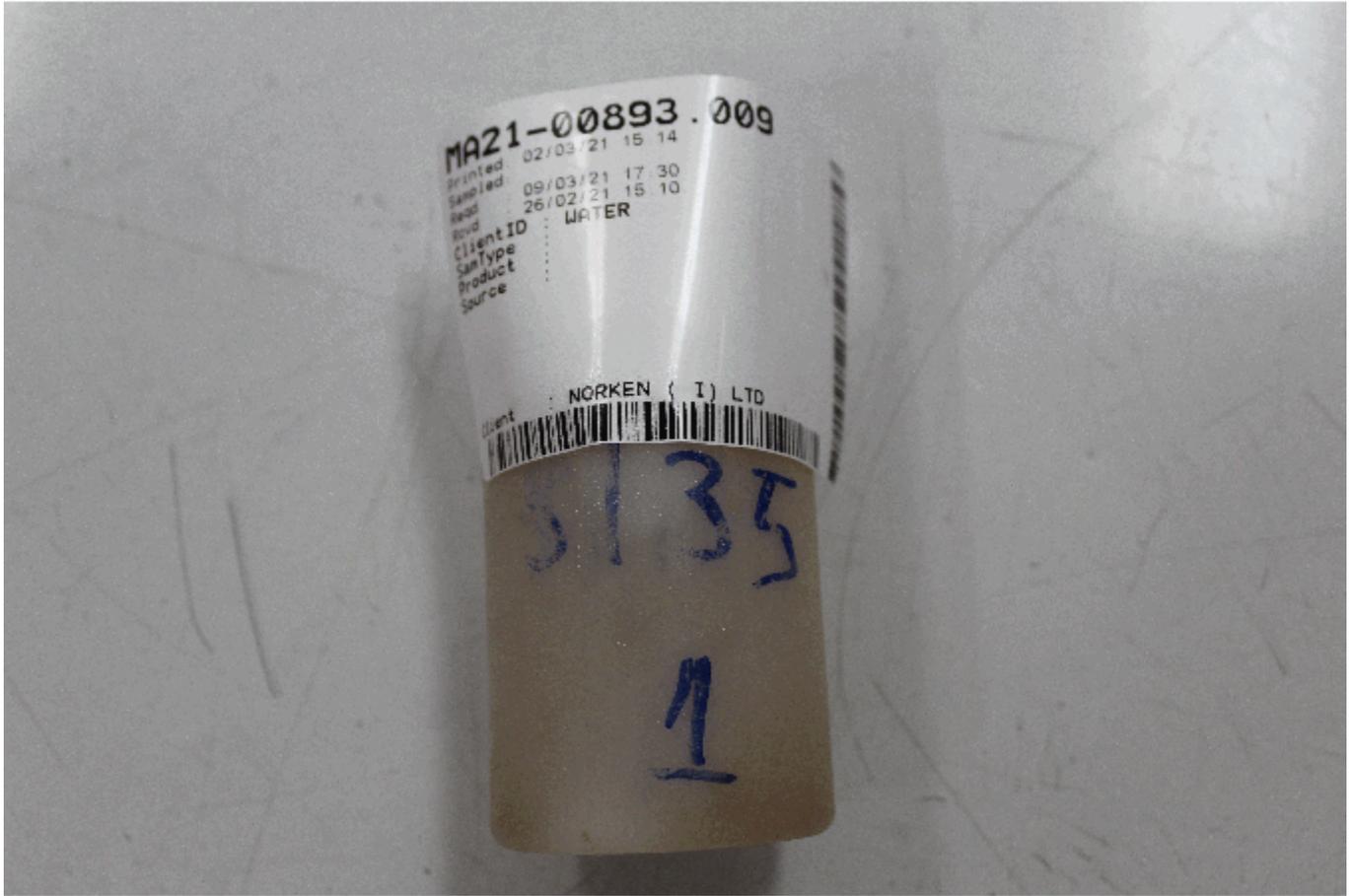
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00893.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211701 0000126936

Page 2 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00893.010

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 S119
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

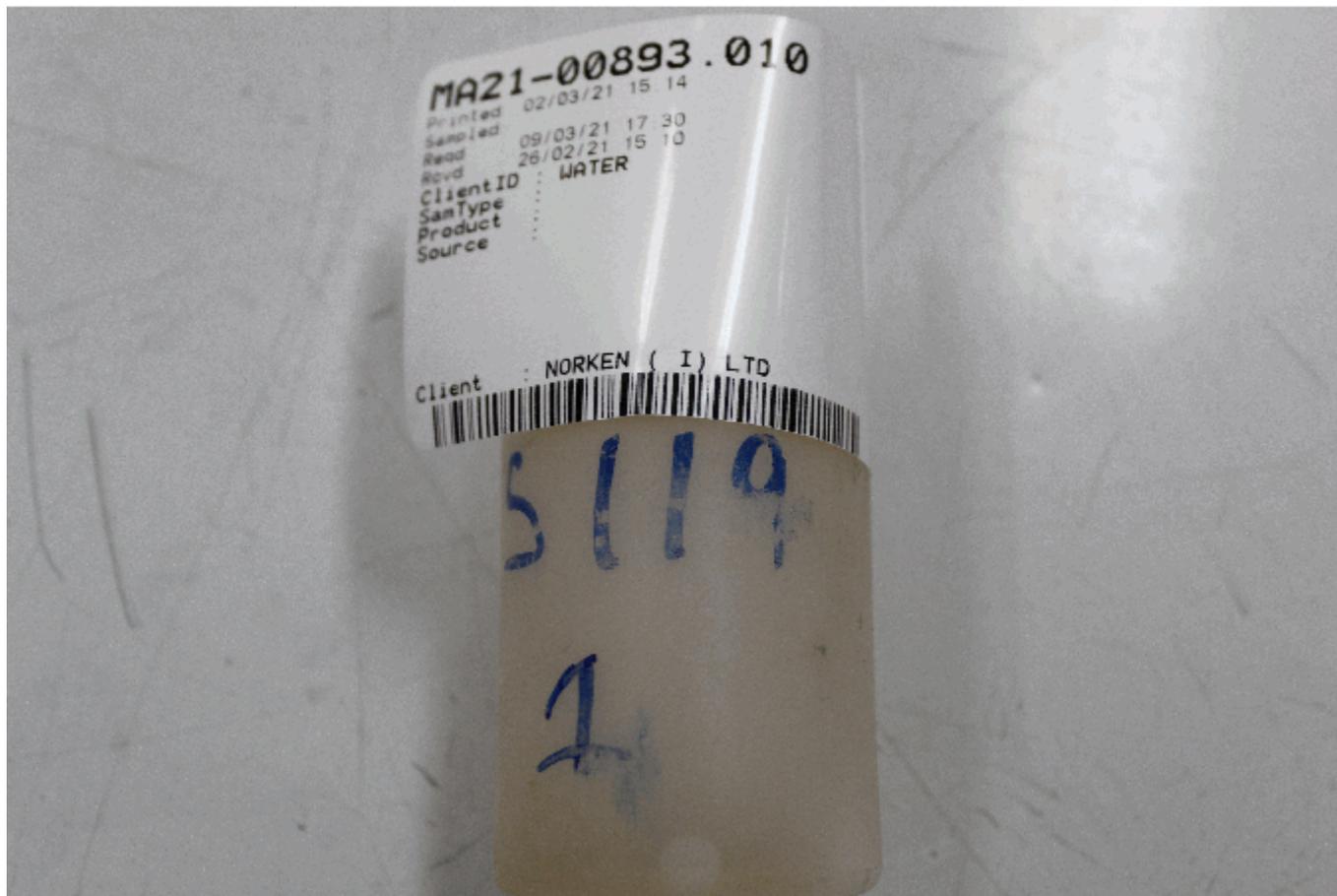
090320211701 0000126936

Page 3 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00893.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211701 0000126936

Page 4 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00893.011

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

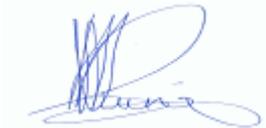
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 S132
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

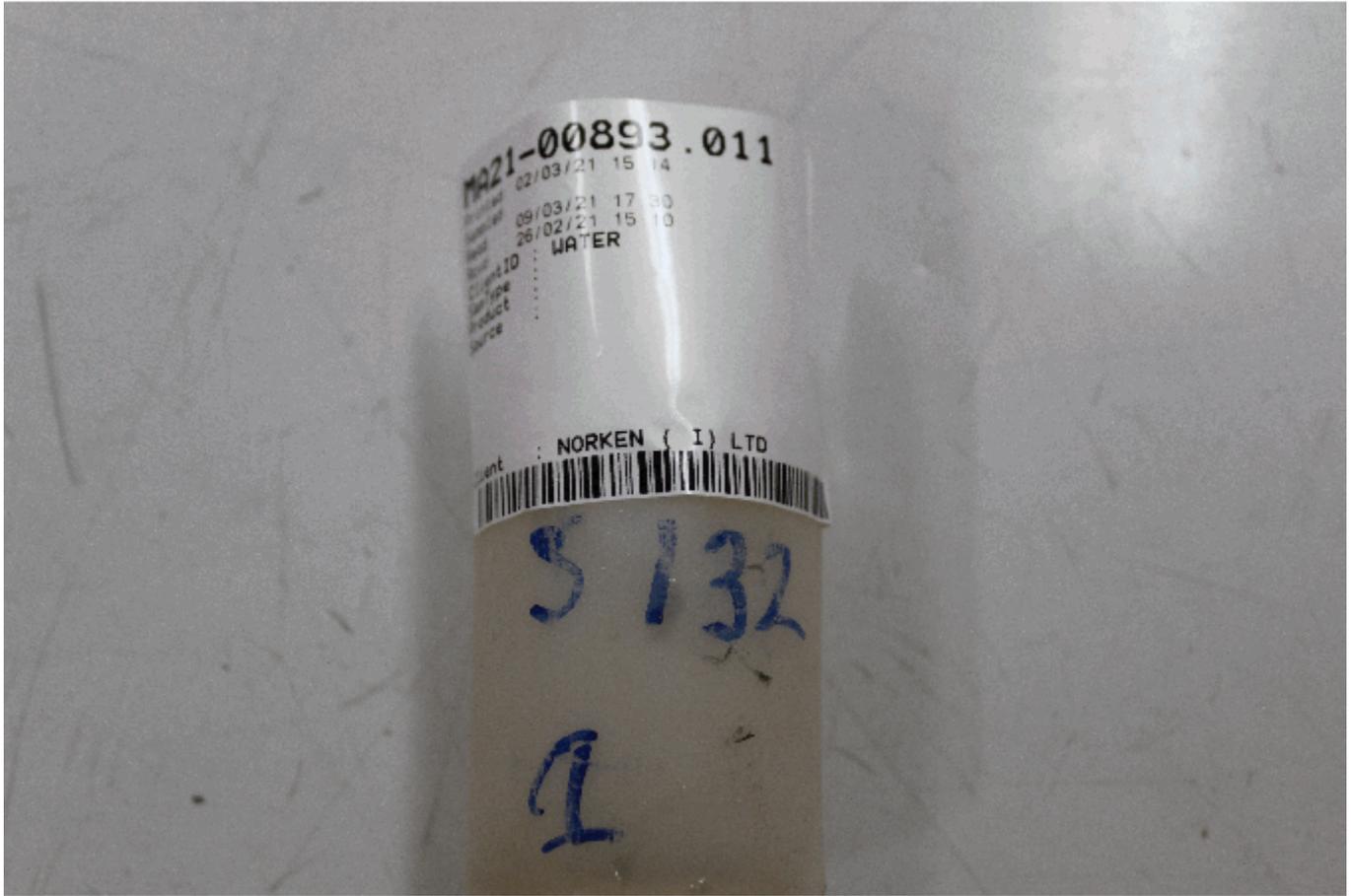
090320211701 0000126936

Page 5 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00893.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211701 0000126936

Page 6 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00893.012

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

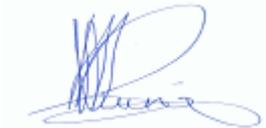
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 S125
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	11	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Morgan Khayoko-Microbiologist

090320211701 0000126936

Page 7 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00893.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211701 0000126936

Page 8 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 09/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00893.013

PRODUCT DESCRIPTION: WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 26/02/2021

ANALYSIS STARTED: 04/03/2021

ANALYSIS COMPLETED: 09/03/2021

SGS ORDERNO: 5000215

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
S150
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Morgan Khayoko-Microbiologist

090320211701 0000126936

Page 9 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00893.013

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Morgan Khayoko-Microbiologist

090320211701 0000126936

Page 10 of 10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.001

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6U
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	540	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

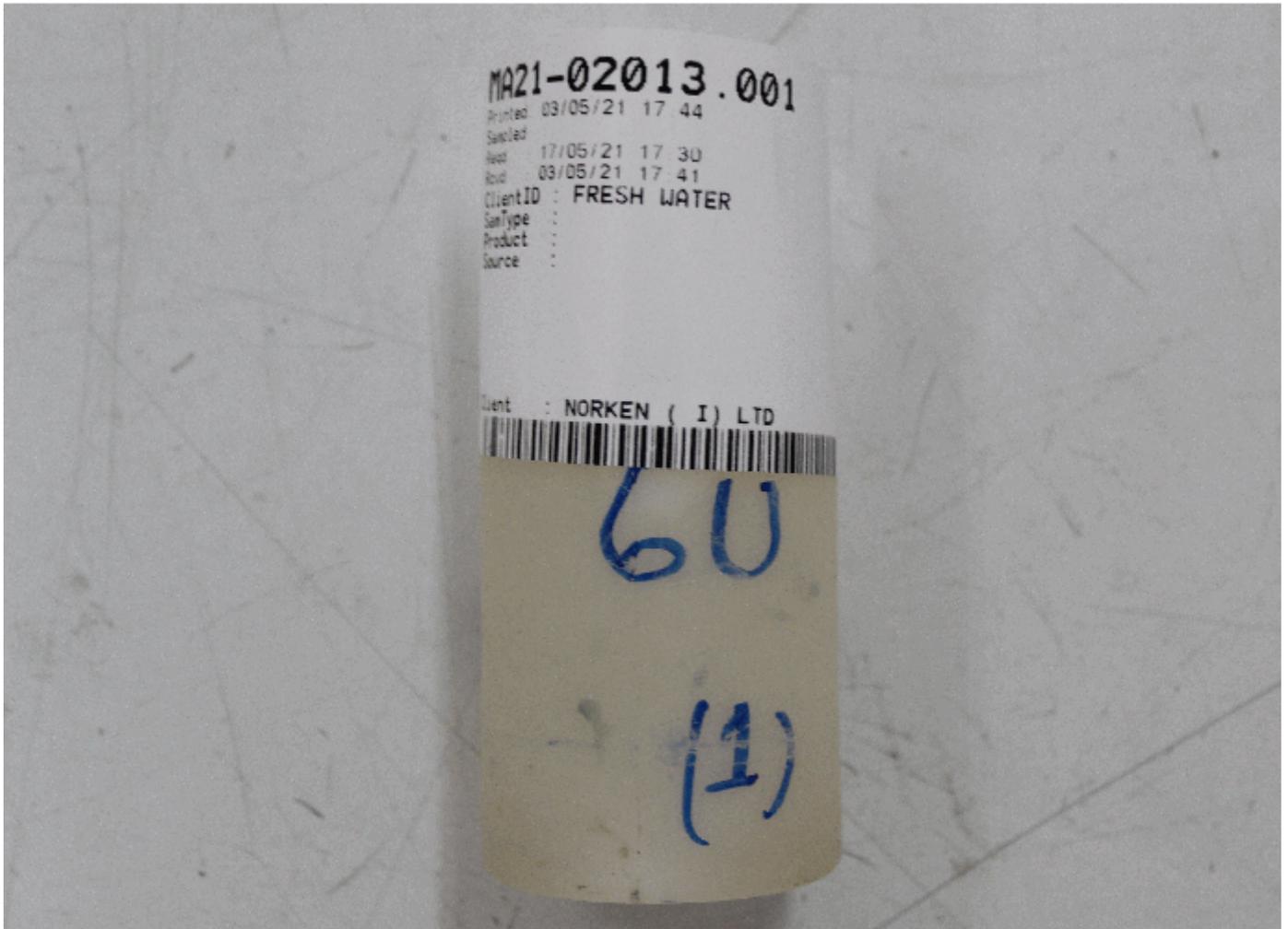
170520211548 0000128923

Page 1 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 2 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.002

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

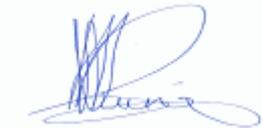
SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
6D
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	11	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 3 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

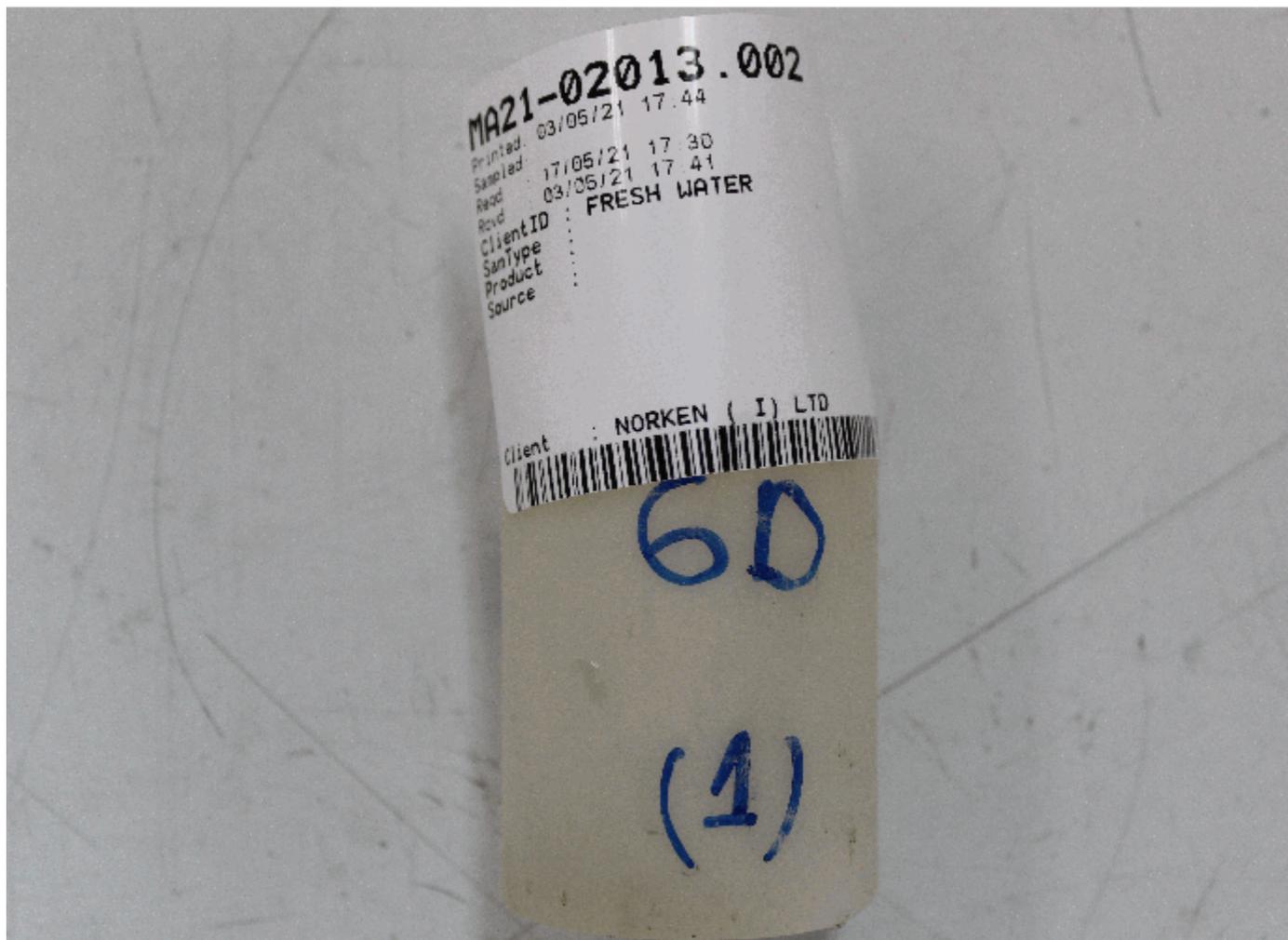
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02013.002

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 4 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.003

PRODUCT DESCRIPTION: FRESH WATER

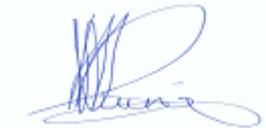
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8U
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	22	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

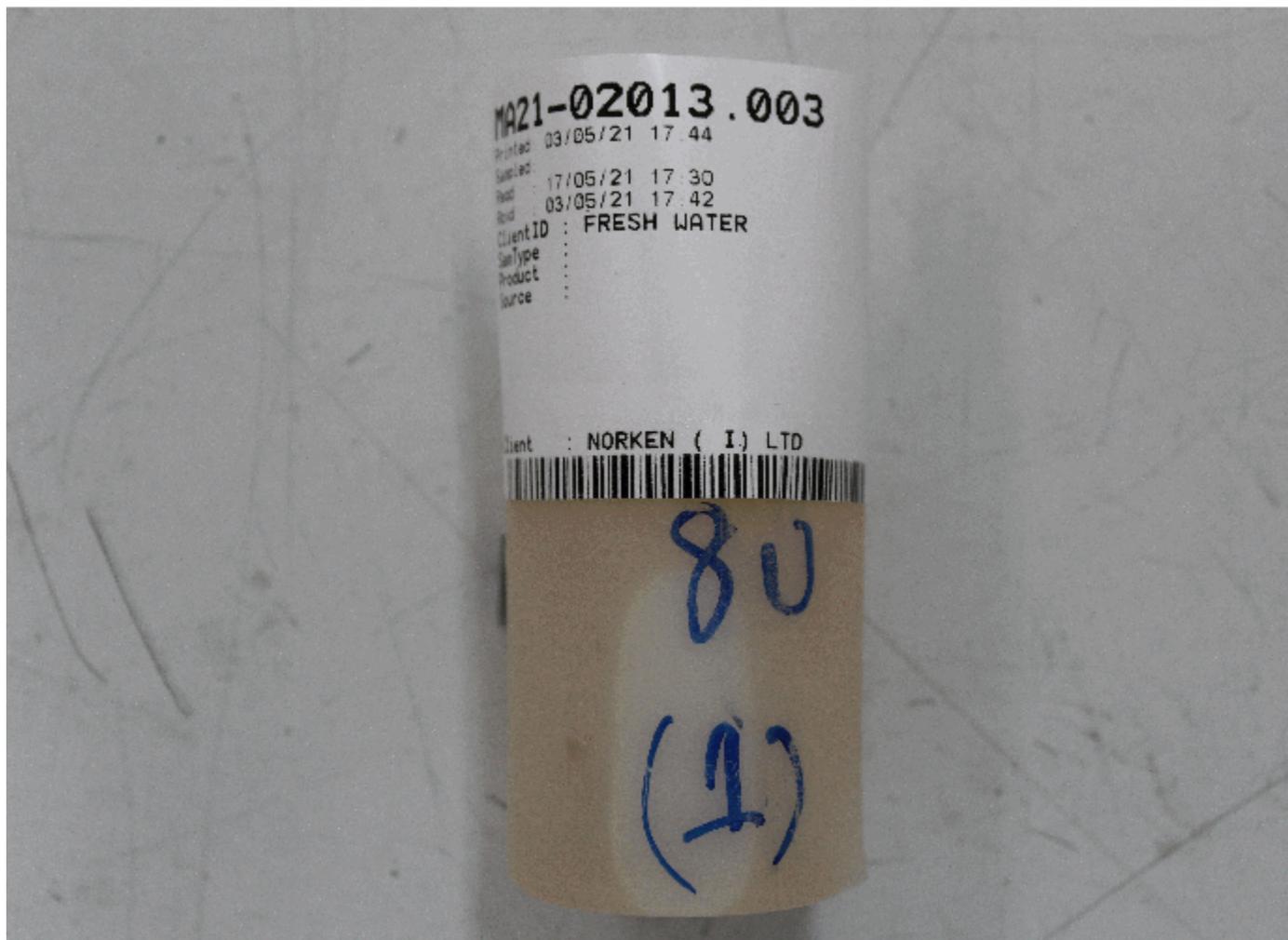
170520211551 0000128923

Page 5 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.003

Authorised Signatory

Anselm Riungu - Technical Manager

170520211551 0000128923

Technical Signatory

Beatrice Cherono-Microbiologist

Page 6 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.004

PRODUCT DESCRIPTION: FRESH WATER

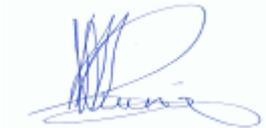
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8D
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

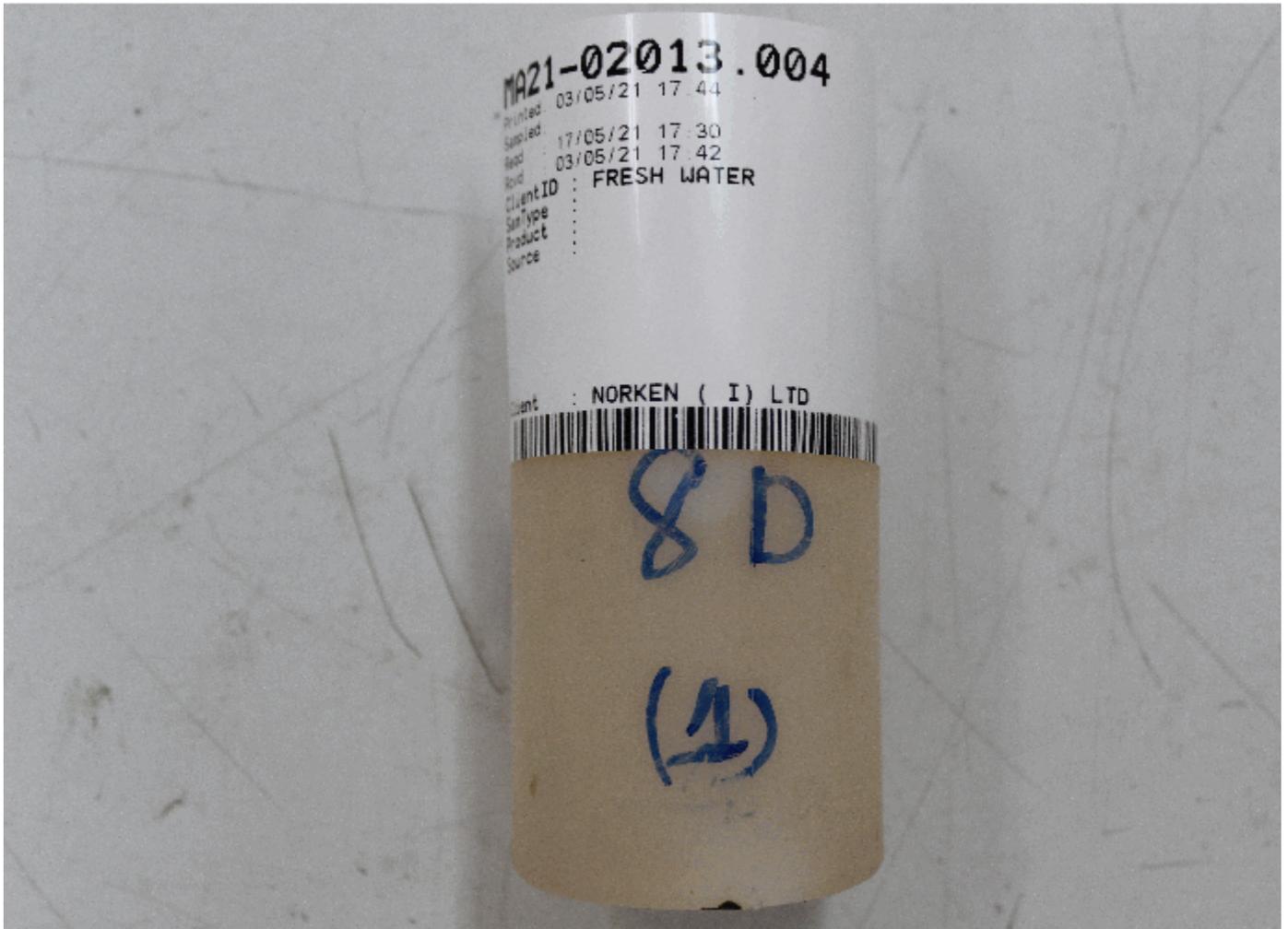
170520211551 0000128923

Page 7 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.004

Authorised Signatory

Anselm Riungu - Technical Manager

170520211551 0000128923

Technical Signatory

Beatrice Cherono-Microbiologist

Page 8 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.005

PRODUCT DESCRIPTION: FRESH WATER

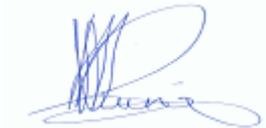
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1U
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	22	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

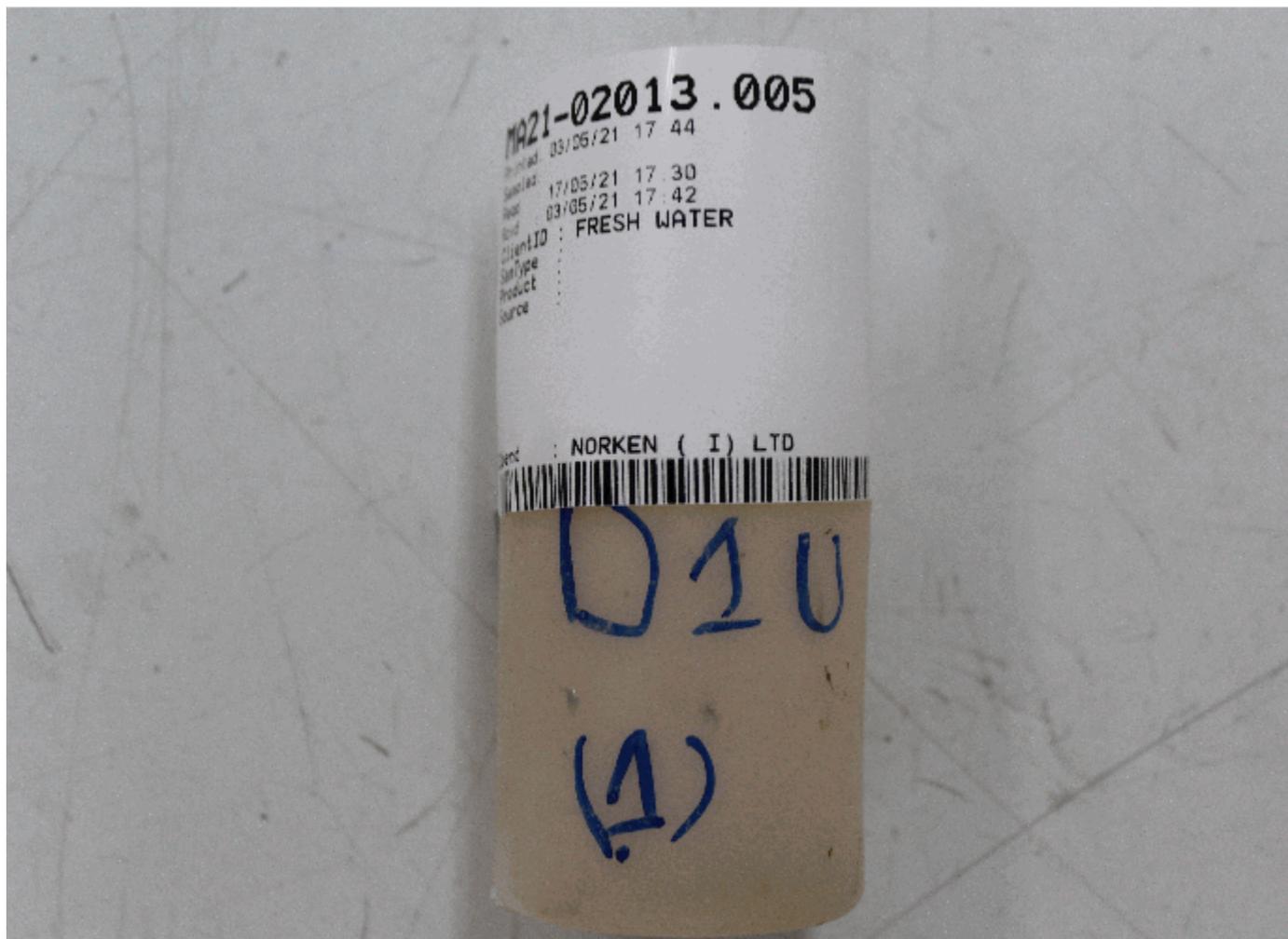
170520211551 0000128923

Page 9 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 10 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.006

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

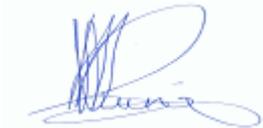
SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1D
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 11 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

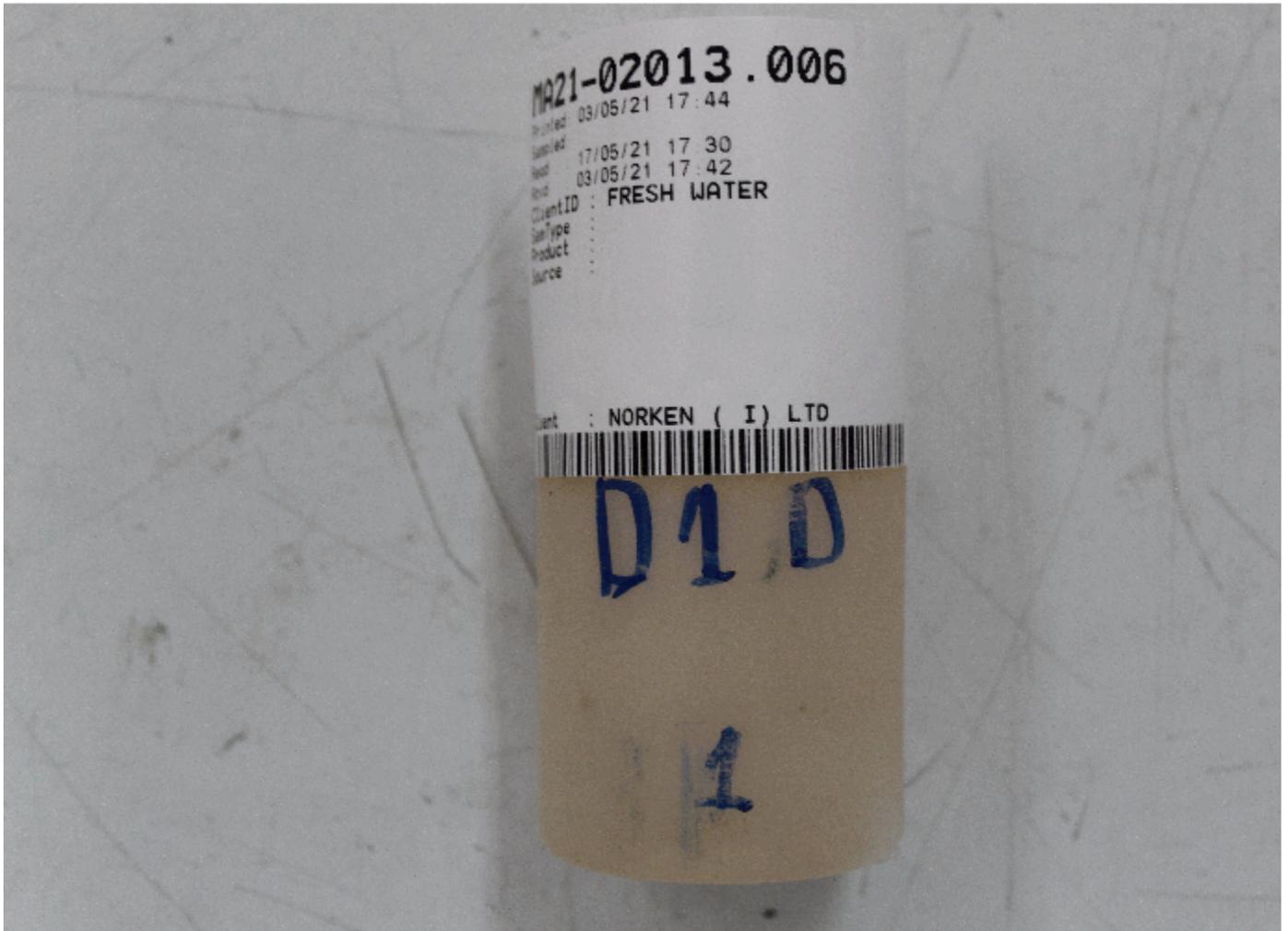
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02013.006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 12 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.007

PRODUCT DESCRIPTION: FRESH WATER

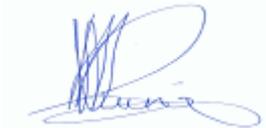
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 9U
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	11	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

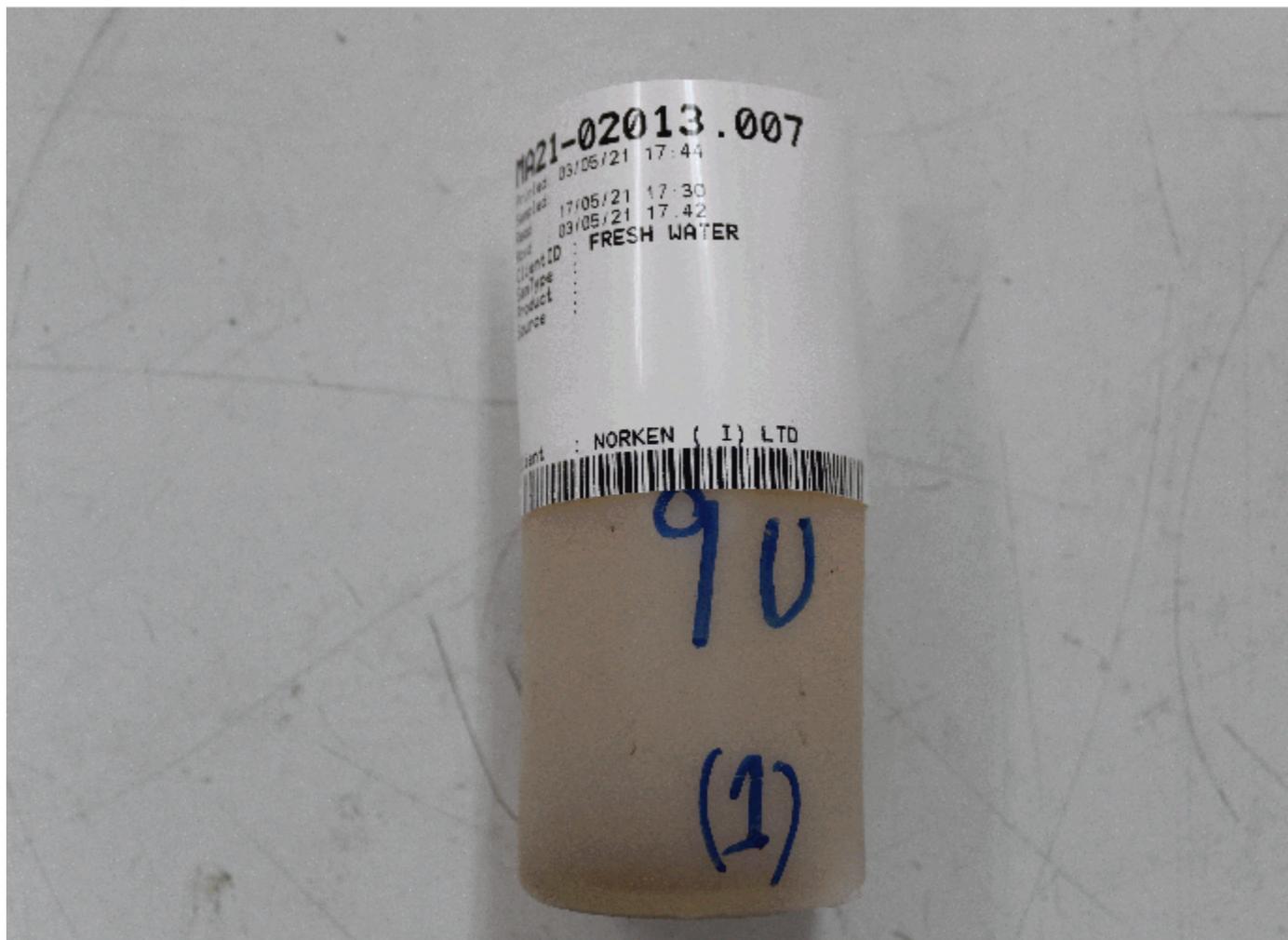
170520211551 0000128923

Page 13 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 14 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.008

PRODUCT DESCRIPTION: FRESH WATER

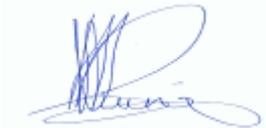
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 9D
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

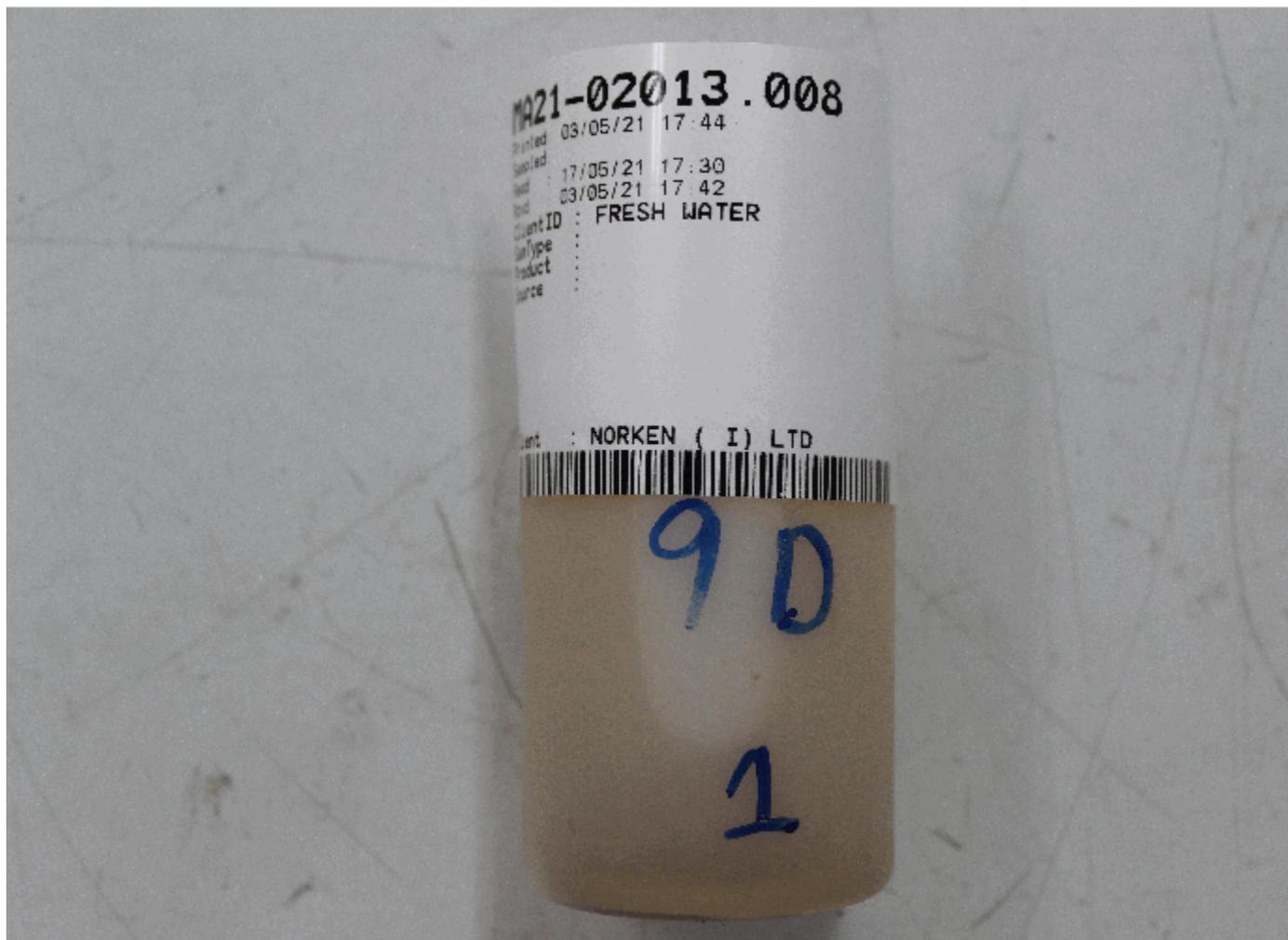
170520211551 0000128923

Page 15 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.008

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 16 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.009

PRODUCT DESCRIPTION: FRESH WATER

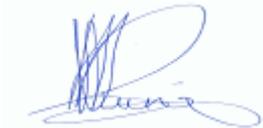
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 12U
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	8	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

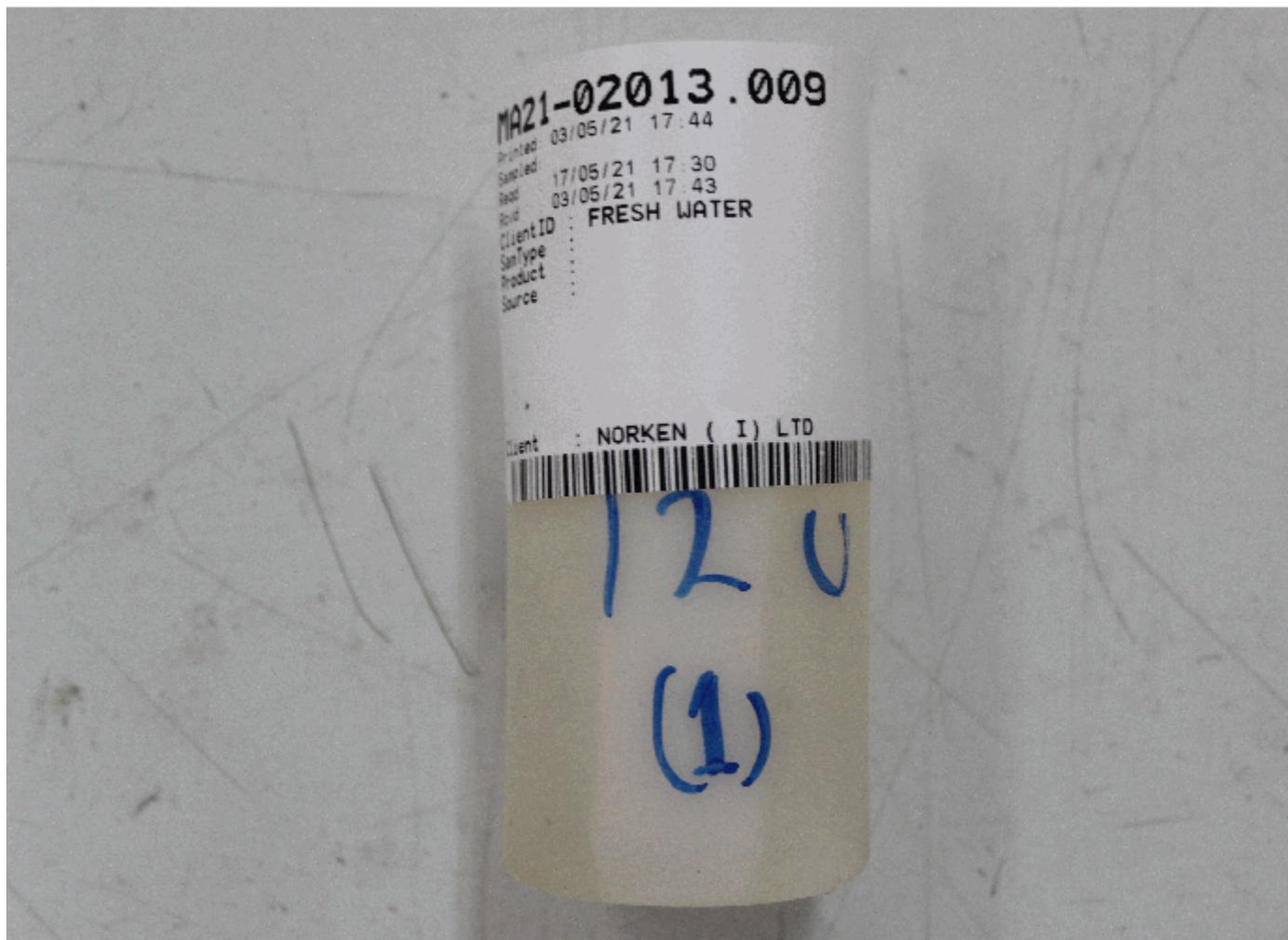
170520211551 0000128923

Page 17 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 18 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.010

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

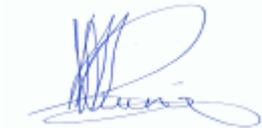
SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12D
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

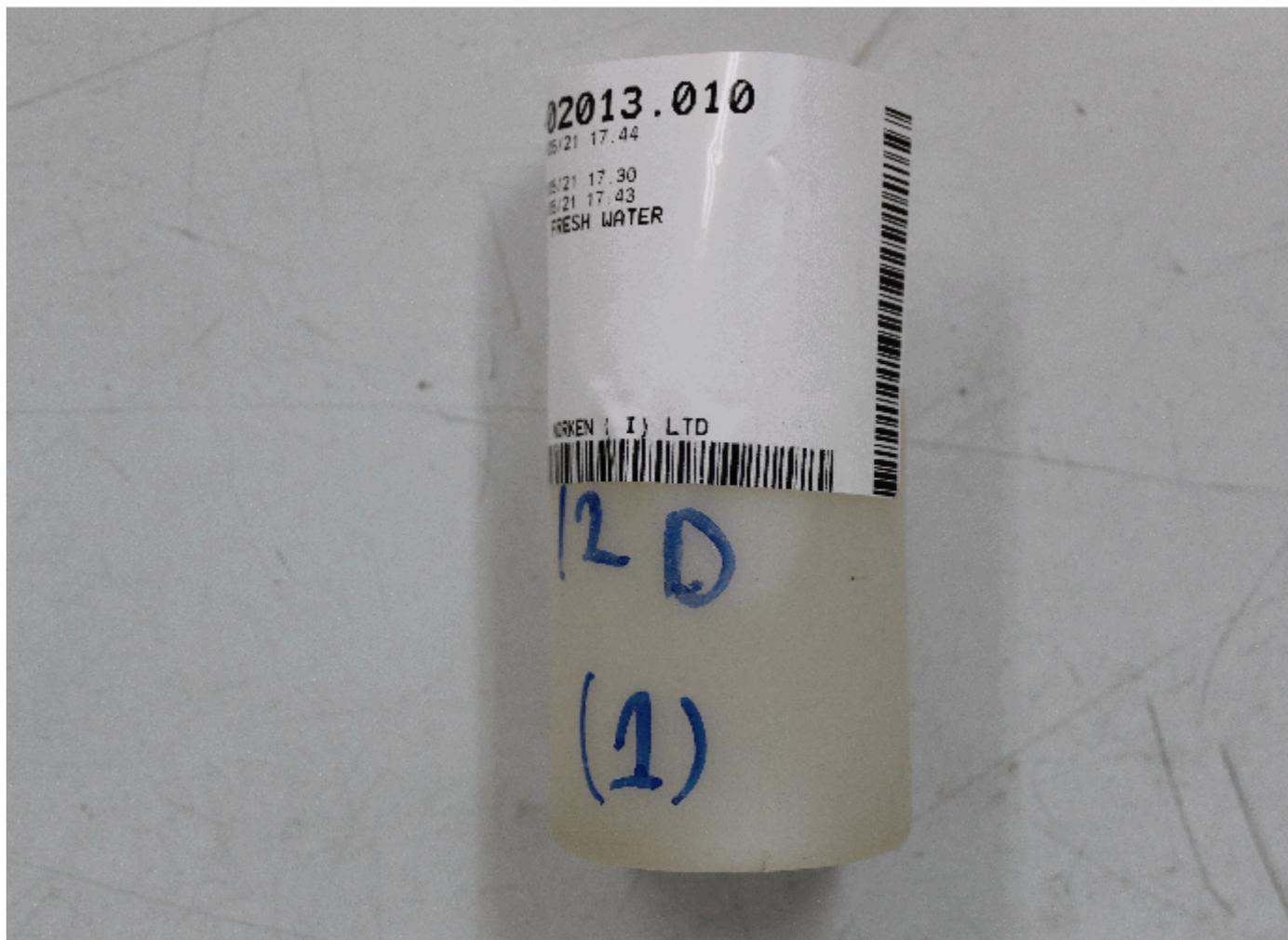
170520211551 0000128923

Page 19 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 20 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.011

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13U
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 21 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

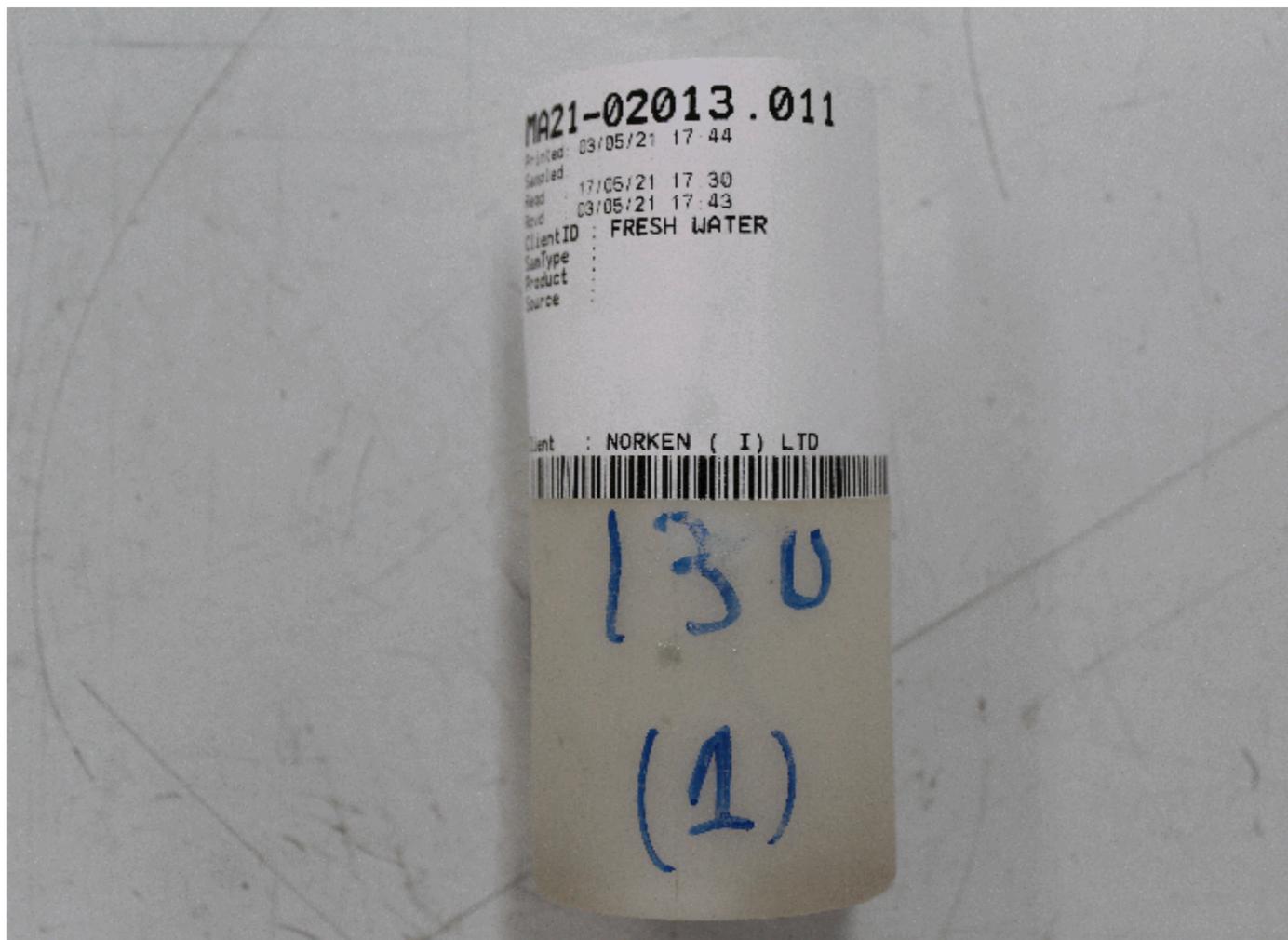
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02013.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 22 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.012

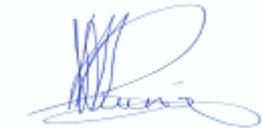
PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 04/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
13D
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

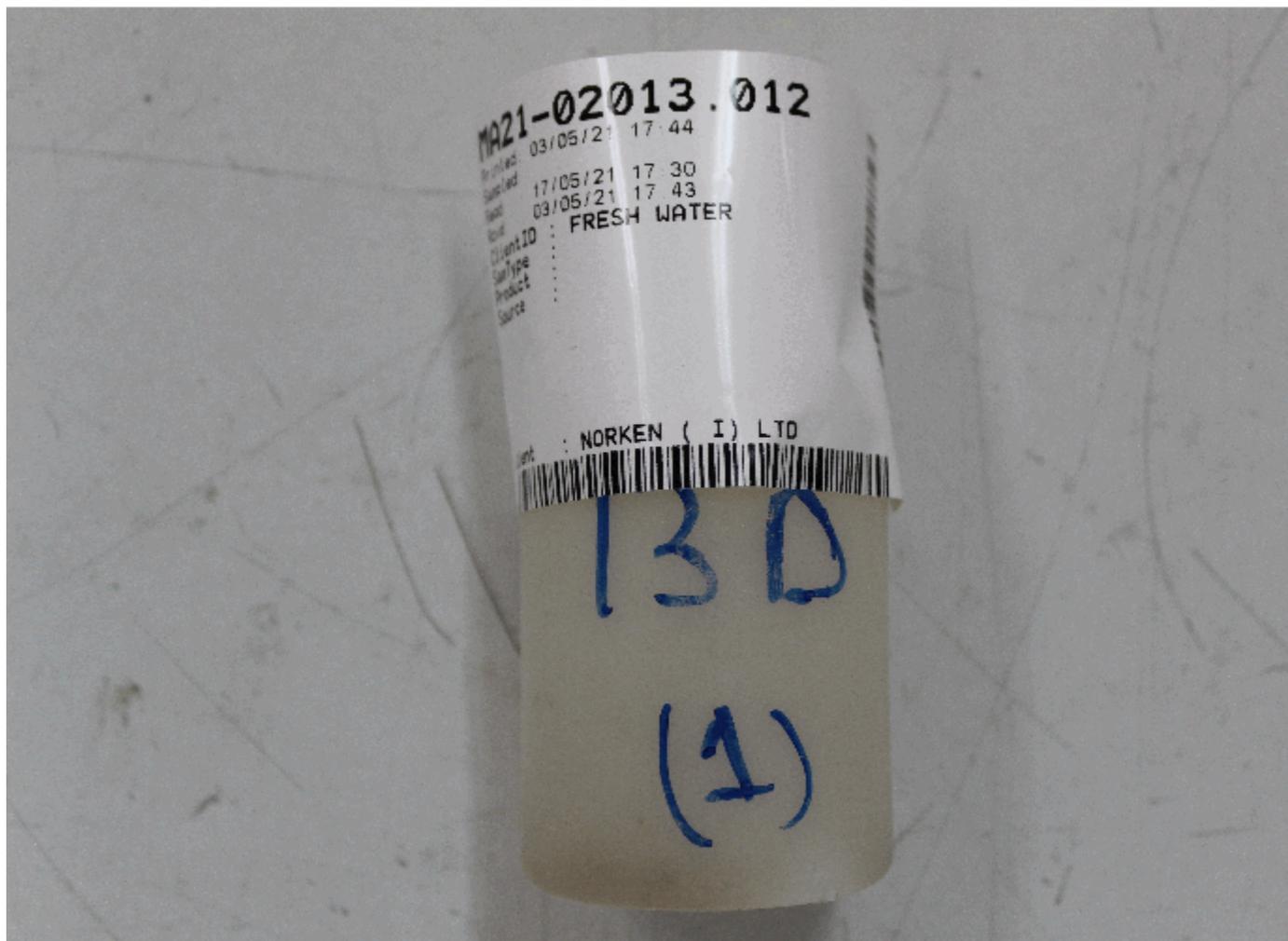
170520211551 0000128923

Page 23 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.012

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 24 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.013

PRODUCT DESCRIPTION: FRESH WATER

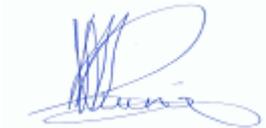
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 14U
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	5	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

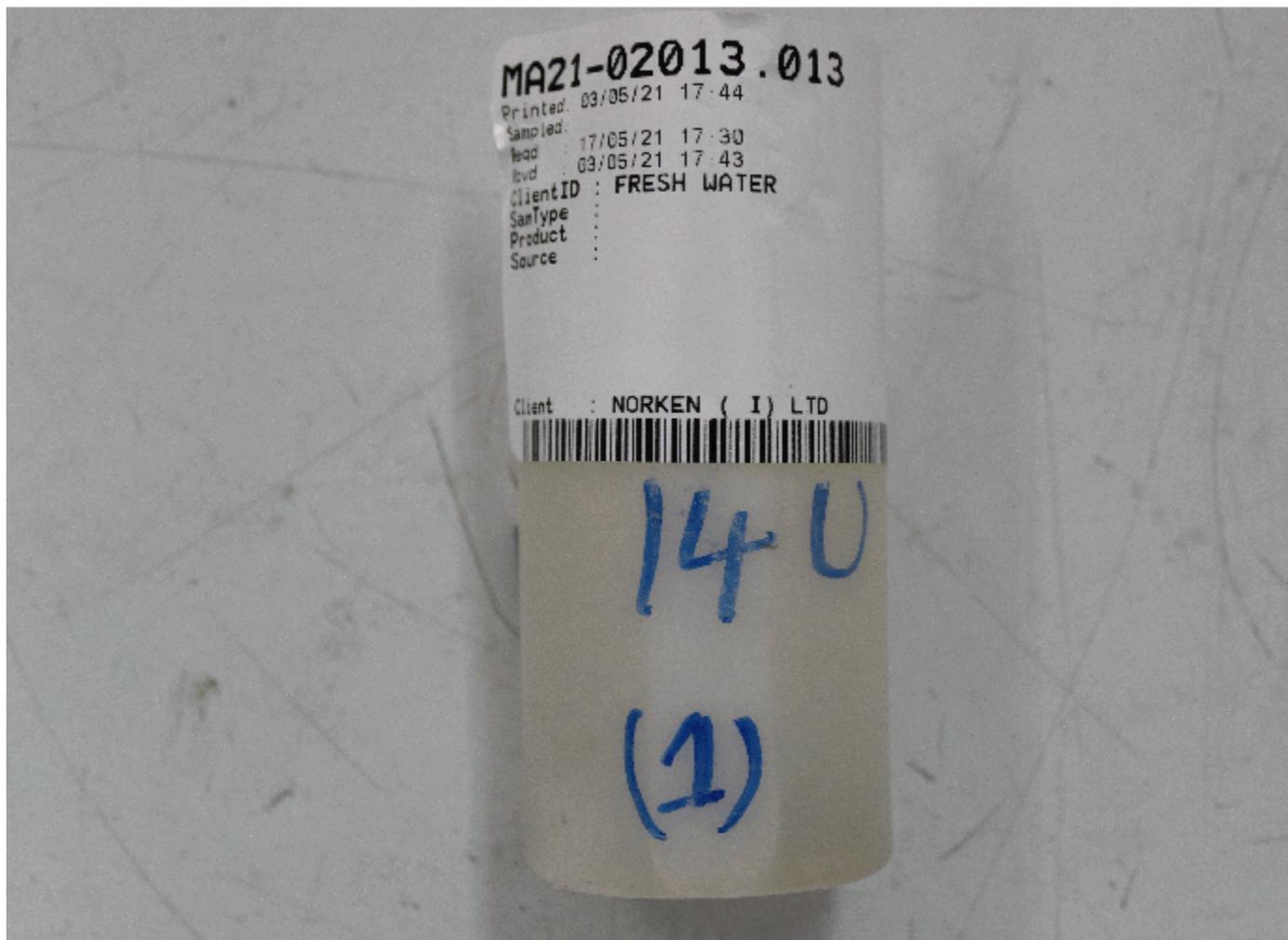
170520211551 0000128923

Page 25 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.013

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 26 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.014

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

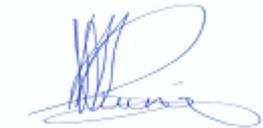
SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
14D
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	>1800	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

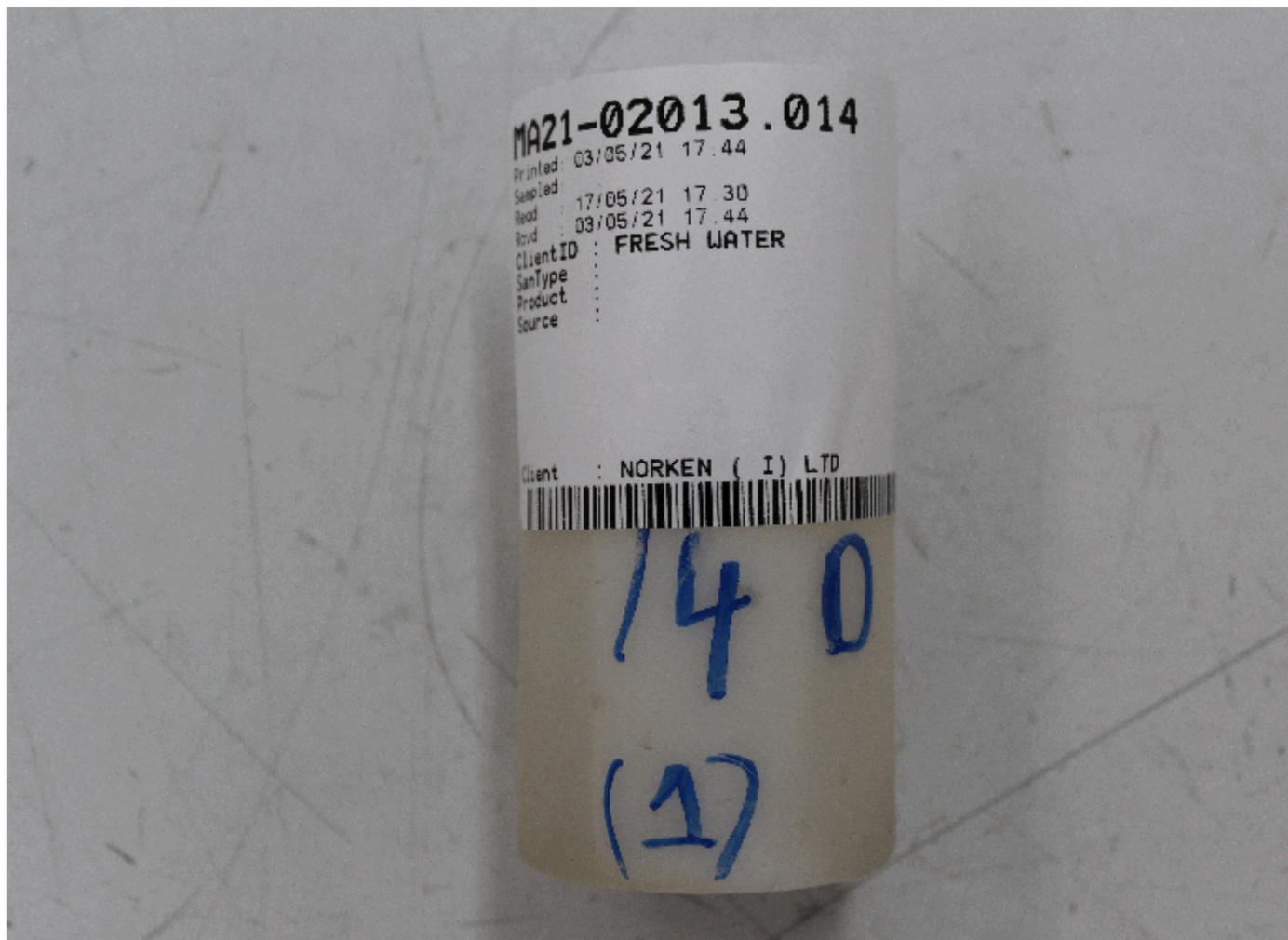
170520211551 0000128923

Page 27 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.014

Authorised Signatory

Anselm Riungu - Technical Manager

170520211551 0000128923

Technical Signatory

Beatrice Cherono-Microbiologist

Page 28 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02013.015

PRODUCT DESCRIPTION: FRESH WATER

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 04/05/2021

ANALYSIS COMPLETED: 17/05/2021

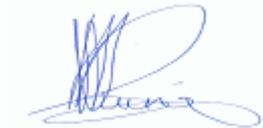
SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
FB1
1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 29 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

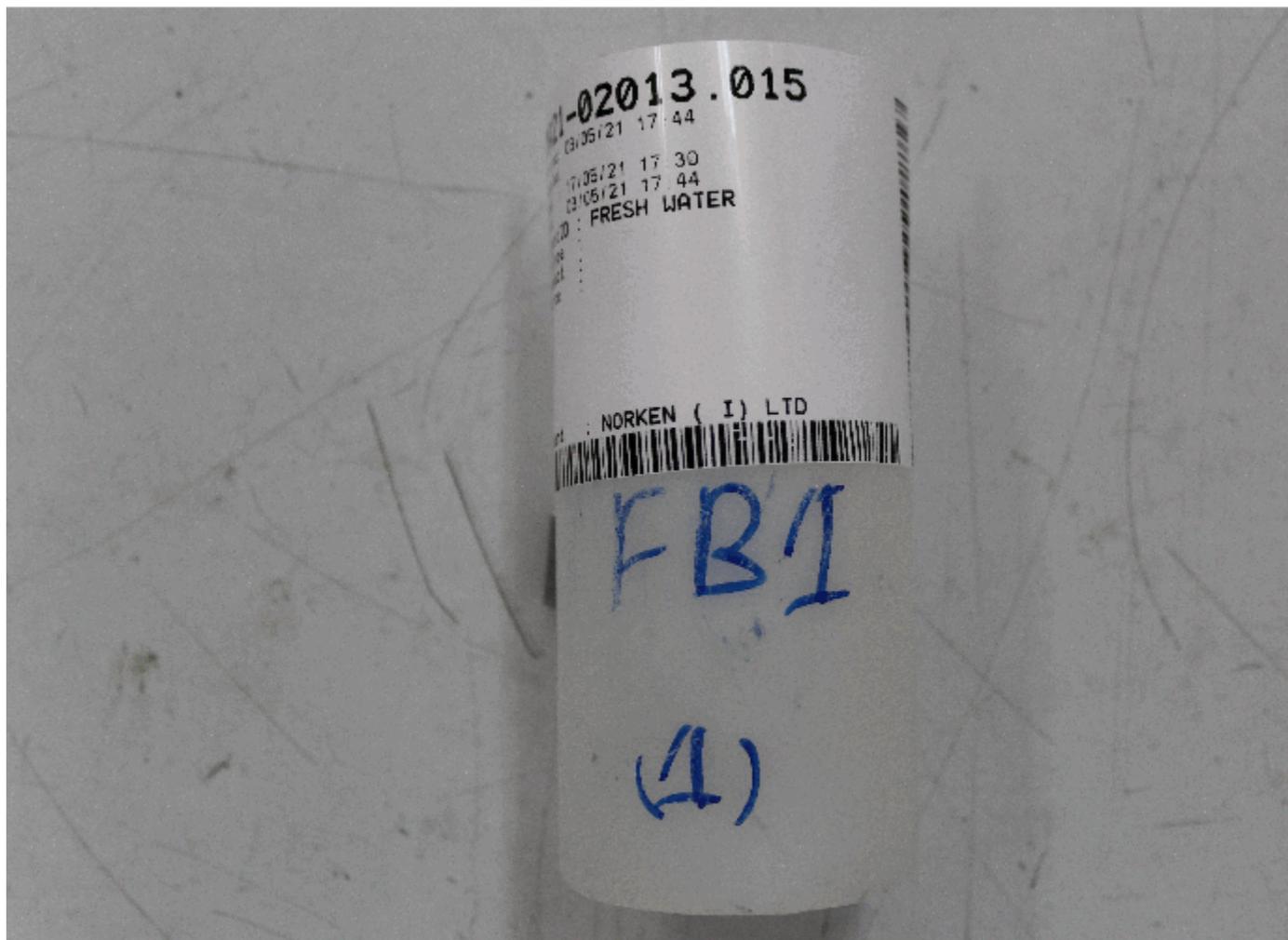
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02013.015

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 30 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02013.016

PRODUCT DESCRIPTION: FRESH WATER

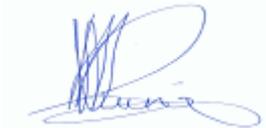
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 04/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 FB2
 1

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.
 LOD = 2 (E.COLI)

TESTS	METHOD	RESULT	UNITS
Escherichia coli	ISO 9308-2:1990	<2	MPN/100ml

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Beatrice Cherono-Microbiologist

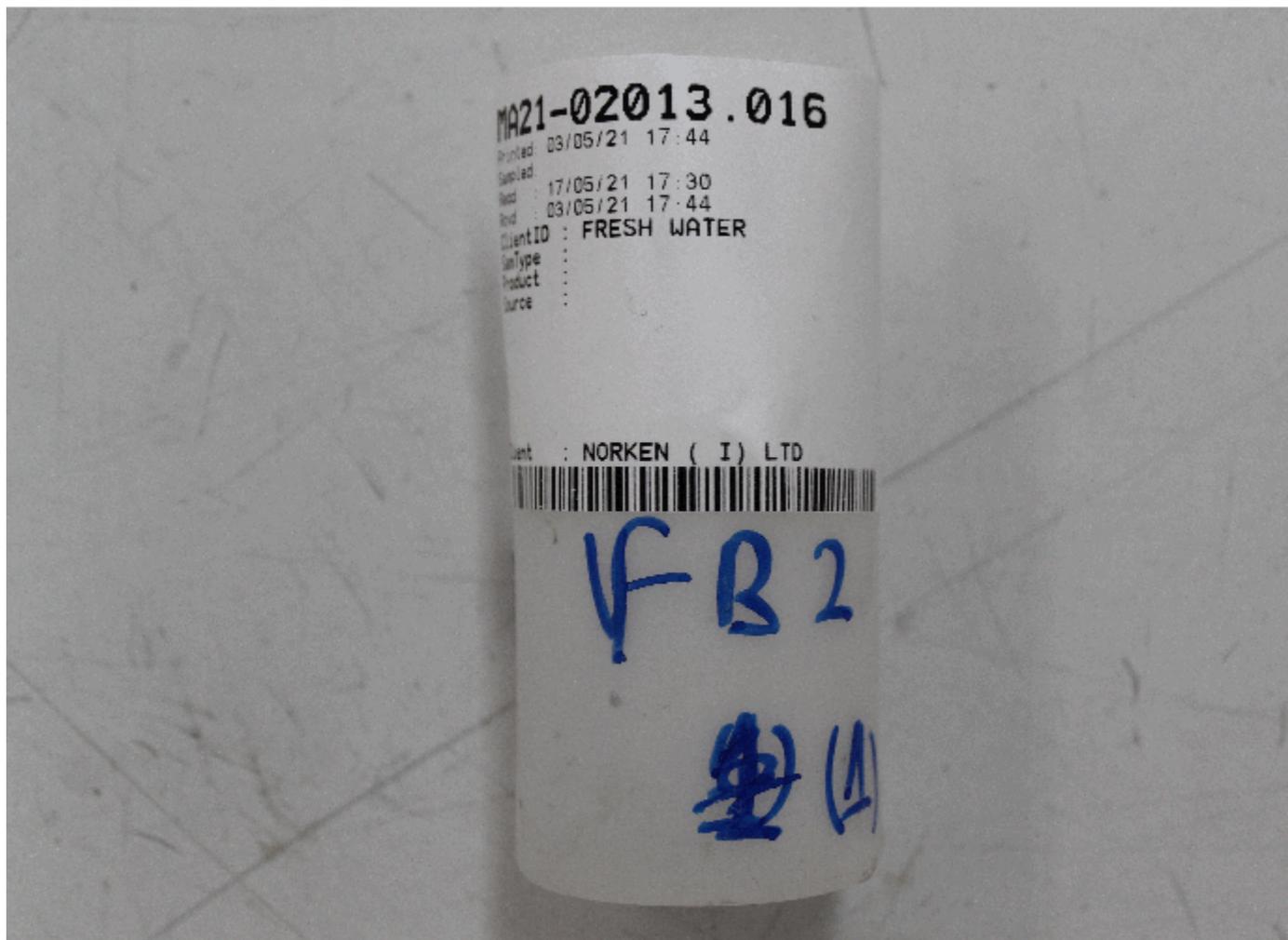
170520211551 0000128923

Page 31 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02013.016

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Beatrice Cherono-Microbiologist

170520211551 0000128923

Page 32 of 32

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 014/BOD 5

SAMPLE: 1 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	0.7	mg/l

SAMPLE: 1 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	0.8	mg/l

*****END OF TEST RESULTS *****

Analyst

.....
Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 012/BOD 5

SAMPLE: B3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	3.5	mg/l

SAMPLE: B3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	3.1	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 010/BOD 5

SAMPLE: 3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	1.1	mg/l

SAMPLE: 3 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	1.4	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 008/BOD 5

SAMPLE: B± (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	5.4	mg/l

SAMPLE: B+ (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	5.3	mg/l

*****END OF TEST RESULTS *****

Analyst

..... Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 006/BOD 5

SAMPLE: 5 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	5.1	mg/l

SAMPLE: 5 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	5.0	mg/l

*******END OF TEST RESULTS*******

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 004/BOD 5

SAMPLE: 10 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	2.6	mg/l

SAMPLE: 10 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	2.6	mg/l

*****END OF TEST RESULTS *****

Analyst

Henneth

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 001/BOD 5

SAMPLE: 15 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	2.9	mg/l

SAMPLE: 15 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	2.7	mg/l

*******END OF TEST RESULTS*******

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 015/BOD 5

SAMPLE: FB

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	1.2	mg/l

SAMPLE: 1 FB

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	1.2	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 002/BOD 5

SAMPLE: 15 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	1.5	mg/l

SAMPLE: 15 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	1.6	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 003/BOD 5

SAMPLE: 10 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	4.3	mg/l

SAMPLE: 10 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	3.9	mg/l

*******END OF TEST RESULTS*******

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 005/BOD 5

SAMPLE: 5 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	5.7	mg/l

SAMPLE: 5 (Downstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	6.0	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 007/BOD 5

SAMPLE: B± (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	4.2	mg/l

SAMPLE: B+ (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	4.5	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 009/BOD 5

SAMPLE: 3 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	0.7	mg/l

SAMPLE: 3 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	1.0	mg/l

*******END OF TEST RESULTS*******

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 011/BOD 5

SAMPLE: B3 (Upstream)

ANALYSIS DATE: 21/12/2020

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	2.2	mg/l

SAMPLE: B3 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	2.0	mg/l

*******END OF TEST RESULTS*******

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 013/BOD 5

SAMPLE: 1 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 1

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	0.8	mg/l

SAMPLE: 1 (Upstream)

ANALYSIS DATE: 21/12/2020

Replicate 2

Method: BOD 5 @ 20°C APHA 5210 B

PARAMETER	RESULT	UNITS
BOD 5 @ 20°C	0.8	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 538/BOD 5

PARAMETER: BOD 5 @ 20°C

ANALYSIS REPORTING DATE: 09/03/2021

Method: BOD 5 @ 20°C APHA 5210 B

SAMPLE ID:	ANALYSIS DATE:	RESULT	UNITS
S 5	24/02/2021	1.2	mg/l
S 13	24/02/2021	0.9	mg/l
S 17	25/02/2021	2.4	mg/l
S 23	25/02/2021	4.3	mg/l
S 29	25/02/2021	4.7	mg/l
S 35	25/02/2021	2.1	mg/l
S 41	25/02/2021	2.6	mg/l
S 48	25/02/2021	3.8	mg/l
S 54	25/02/2021	1.5	mg/l
S 61	28/02/2021	3.8	mg/l
S 66	28/02/2021	2.6	mg/l
S 73	28/02/2021	6.9	mg/l
S 79	28/02/2021	6.5	mg/l
S 81	28/02/2021	2.2	mg/l
S 87	28/02/2021	1.9	mg/l
S 96	28/02/2021	2.6	mg/l
S 108	01/03/2021	1.3	mg/l
S 108b	01/03/2021	2.0	mg/l
S 114	01/03/2021	1.5	mg/l
S 120	01/03/2021	0.8	mg/l
S 124	01/03/2021	6.5	mg/l

*****END OF TEST RESULTS *****

Analyst

Quako Albert

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 //ISOTOPE LAB / 539/BOD 5

PARAMETER: BOD 5 @ 20°C

ANALYSIS REPORTING DATE: 09/03/2021

Method: BOD 5 @ 20°C APHA 5210 B

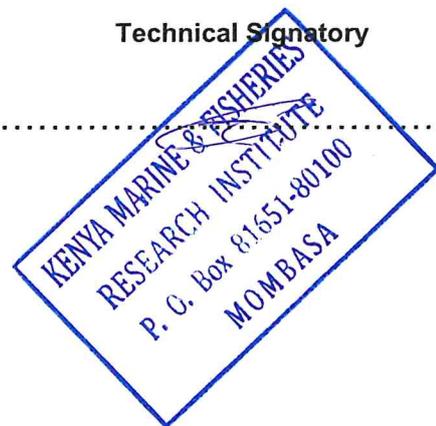
SAMPLE ID:	ANALYSIS DATE:	RESULT	UNITS
S 131	01/03/2021	4.5	mg/l
S 136	01/03/2021	3.0	mg/l
S 142	01/03/2021	3.4	mg/l
S 148	02/03/2021	4.2	mg/l
S 154	02/03/2021	5.2	mg/l
S 160	02/03/2021	0.7	mg/l
S 166	02/03/2021	0.1	mg/l
S 172	24/02/2021	0.7	mg/l

*****END OF TEST RESULTS *****

Analyst

Abato Gilbert

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 602/BOD 5

PARAMETER: BOD 5 @ 20°C
ANALYSIS REPORTING DATE: 19/05/2021
Method: BOD 5 @ 20°C APHA 5210 B

SAMPLE ID:	ANALYSIS DATE:	RESULT	UNITS
6U	06/05/2021	0.1	mg/l
6D	06/05/2021	0.1	mg/l
8U	06/05/2021	3.1	mg/l
14U	05/05/2021	0.5	mg/l
14D	05/05/2021	1.0	mg/l
9U	05/05/2021	4.2	mg/l
9D	05/02/2021	3.6	mg/l
13 U	05/05/2021	3.0	mg/l
13 D	05/05/2021	1.0	mg/l
12U	05/05/2021	2.6	mg/l
12D	05/05/2021	3.8	mg/l
D1U	05/05/2021	3.0	mg/l
D1D	05/05/2021	0.9	mg/l
8D	06/05/2021	1.1	mg/l
FB1	05/05/2021	0.1	mg/l
FB2	05/05/2021	0.1	mg/l

*****END OF TEST RESULTS *****

Analyst

Kenneth

Technical Signatory

[Signature]

APPENDIX

6-6 *SOIL QUALITY SURVEY – FIELD DATA SHEETS*



FIELD DATA SHEET

FIELD DATA SHEET						
Project Name		NNM Road				
Date		03/03/2021				
Time Start	12:35 hrs	Time Finish	1:10 hrs	GPS Coordinates	$0^{\circ} 58' 30.7248''$ S $36^{\circ} 34' 41.268''$ E	
Sampling Area	A85-1 Truckyard / Truck wash (Carwash Maai Mahu)					
Sampling Equipment	Plastic lid					
Sampling Type	GRAB () COMPOSITE ()					
Location (feature type/land use)	Truckyard, Truck wash Vegetation (surrounding)					
Weather conditions	Temp: 29°C		Humidity: 37%		Rainfall: 0.0 Wind: NE 20 km/h Sky: Partly cloudy, partly sunny	
SAMPLING DETAILS						
Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
50cm	Brown	Coarse Wet	Small stream River next to the truckwash. No colour	1	A85-1	125356
REMARKS						
8 m from the road						
58x60 cm hole						
Truck Carwash on open surface, wash water flowing towards the road on open ground.						
Sampling technician Details						
Name: C. ODUOR				Date: 3/3/21		
Signature:						

FIELD DATA SHEET

Project Name	NNM Road				
Date	02/03/2021				
Time Start	10:20 Hrs	Time Finish	11:00 HRS	GPS Coordinates	0° 58' 49.2312" S 36° 34' 56.1792" E
Sampling Area	A-8 South-2 (Truckyard)				
Sampling Equipment	Plastic Lid				
Sampling Type	GRAB (✓)		COMPOSITE ()		
Location (feature type/land use)	Truckyard, Commercial zone				
Weather conditions	Temp: 26°C		Humidity: 50% Mostly Sunny		
	Rainfall: 0.0		Wind: NE 9 km/h		

SAMPLING DETAILS

Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
50 cm	Brown	Coarse (dry)	No odour	1	ABS-2	105121

REMARKS

7.5 m from the road

56x60 cm hole

Sampling technician Details

Name: C. ODJOR Date: 3/3/21

Signature:

FIELD DATA SHEET

Project Name	NNM Road				
Date	03/03/2021				
Time Start	09:10 Hrs	Time Finish	09:50 Hrs	GPS Coordinates	10° 07' 08" 3388" S 86° 37' 15" 08.52" E
Sampling Area	A8 South-3 (Lexus Petrol Station)				
Sampling Equipment	Plastic Lid				
Sampling Type	GRAB (✓)		COMPOSITE ()		
Location (feature type/land use)	Vegetation, Residential, Petrol Station				
Weather conditions	Temp: 16°C		Humidity: 63%		Sunny
	Rainfall: 0.0		Wind: NE 12 km/h		

SAMPLING DETAILS

Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
30cm	Dark Brown	Fine (wet)	Lexus Petrol station drainage pipes - No odour	1	A8S-3	202 093243

REMARKS

23.8 m from the road

SDXSD on here

Sampling technician Details

Name: C. ODUOL

Date: 3/3/21

Signature: 

FIELD DATA SHEET

FIELD DATA SHEET						
Project Name		NAM Road				
Date		01/03/2021				
Time Start	1230 hrs	Time Finish	1255 hrs	GPS Coordinates	0° 10' 22.98" S 35° 42' 23.26" E	
Sampling Area	Gulf Energy Main Summuc (A1)					
Sampling Equipment	Plastic Lid					
Sampling Type	GRAB (✓) COMPOSITE ()					
Location (feature type/land use)	Residential area, vegetable market, petrol station, farming					
Weather conditions	Temp: 24°C			Humidity: 35%		
	Rainfall: 0.0			Wind: NE 18km/h		
SAMPLING DETAILS						
Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
30cm	red	Flue	Next to storm water drainage channel.	1	AS-1	125438
REMARKS						
9.3m from the road						
60 x 35cm hole:						
Sampling technician Details						
Name: C. ODUOK				Date: 1/3/21		
Signature: 						

FIELD DATA SHEET

Project Name	NNM flood				
Date	01/03/2021				
Time Start	13:5 ms	Time Finish	13:56 hrs	GPS Coordinates	0° 13' 11.892" S 35° 44' 10.783" E
Sampling Area	A2 - Kibungu truck yard / Parking				
Sampling Equipment	Plastic lid				
Sampling Type	GRAB (✓) COMPOSITE ()				
Location (feature type/land use)	Commercial, Residential				
Weather conditions	Temp: 24°C		Humidity: 34%		
	Rainfall: 0.0		Wind: NE 18 km/h		

SAMPLING DETAILS

Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
50cm	Brown Black	Fine	Open waste burning, garage, patches of oil stains	1	A8-2	134105

REMARKS

0.2m from the road.

70x40cm Hole

Sampling technician Details

Name: e. o. Over

Date: 13/21

Signature:

FIELD DATA SHEET

Project Name	UNIM Road				
Date	01/03/2021				
Time Start	1605 hrs	Time Finish	1650 hrs	GPS Coordinates	0°18'55" 9072" S 36° 08' 24" 99" E
Sampling Area	A3 - Total Pipeline				
Sampling Equipment	Plastic Lid				
Sampling Type	GRAB (✓)		COMPOSITE ()		
Location (feature type/land use)	Commercial, Residential, Petrol Station				
Weather conditions	Temp: 29°C		Humidity: 35%		
	Rainfall: 0.0		Wind:		

SAMPLING DETAILS

Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
50 cm	Black	Coarse / Sandy	Carwash, Truck parking - odour present	1	A8-3	162609

REMARKS

32.5m from the road

50x40 cm hole

Sampling technician Details

Name: C. COOPER

Date: 1/3/21

Signature: 

FIELD DATA SHEET

Project Name		NMM Road					
Date		02/03/2021					
Time Start	1310 hrs	Time Finish	1350 hrs	GPS Coordinates	0° 19' 24.8989" S 36° 09' 06.472" E		
Sampling Area	Kobil Banabas (A8-4)						
Sampling Equipment	Plastic Lid						
Sampling Type	GRAB <input checked="" type="checkbox"/>			COMPOSITE ()			
Location (feature type/land use)	Petrol Station, Residential, Commercial						
Weather conditions	Temp: 28°C			Humidity: 27%			
	Rainfall: 0.0			Wind: N 17 km/h			
SAMPLING DETAILS							
Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #	
50cm	Black	Coarse	pond No odour	1	A8-4	132659	
REMARKS							
25.9m from the road							
50x45cm hole							
Sampling technician Details							
Name: C. OdooR				Date: 2/3/21			
Signature:							

FIELD DATA SHEET

Project Name	NNM Road				
Date	02/03/21				
Time Start	1425 hrs	Time Finish	1550 hrs	GPS Coordinates	0° 26' 19.9968" S 38° 16' 02.748" E
Sampling Area	Phulker Gasline AS-5				
Sampling Equipment	Plastic Lid				
Sampling Type	GRAB (✓) COMPOSITE ()				
Location (feature type/land use)	Demol. Station (garage, carwash)				
Weather conditions	Temp: 29°C		Humidity: 31%		
	Rainfall: 0.0		Wind: NE 11 km/h		

SAMPLING DETAILS

Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
50cm	Red	fine with small rocks	No indication of pollution - vegetation - NO odor	1	AS-5	145314

REMARKS

65m from the road

55x45cm hole

Sampling technician Details

Name: C. ODJOR

Date: 2/3/21

Signature:

FIELD DATA SHEET

Project Name		JNM Road				
Date		02/06/2021				
Time Start	15:20 hrs	Time Finish	16:00 hrs	GPS Coordinates	0° 36' 03.906" S 36° 18' 55.4328" E	
Sampling Area	Gilgit AS-6					
Sampling Equipment	Plastic Lid					
Sampling Type	GRAB (✓)		COMPOSITE ()			
Location (feature type/land use)	Truck yard, commercial					
Weather conditions	Temp: 25°C	Humidity: 31%	clouds & Sun			
	Rainfall: 0.0	Wind: NNE 12km/h				
SAMPLING DETAILS						
Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
50 cm	Brown	Sandy	Shell Pebbles present	1	AS-6	154759
REMARKS						
8m from the road						
50x38 cm tube						
Sampling technician Details						
Name: C. O. D. O. R.			Date: 2/3/21			
Signature: 						

FIELD DATA SHEET

Project Name	WVNM Road				
Date	03/03/2021				
Time Start	07:50 hrs	Time Finish	08:40 hrs	GPS Coordinates	1° 02' 27.8248" N 36° 57' 41.734" E
Sampling Area	A8-7 Rubis uplands				
Sampling Equipment	Plastic lid				
Sampling Type	GRAB (✓) COMPOSITE ()				
Location (feature type/land use)	Petrol stations (Rubis, Esso) Residential, vegetation (maize, grass, trees)				
Weather conditions	Temp: 14°C		Humidity: 68%		Sunny
	Rainfall: 0.0		Wind: NE 12 km/h		

SAMPLING DETAILS

Depth	Colour	Texture	Visual observations	Layer #	Sample ID	Photo #
50cm	Brown	fine	No odor	1	A8-7	081923

REMARKS

38.5 m from the road

60 x 50 cm size

next to station's storm water drainage

Sampling technician Details

Name: C. ODUOR

Date: 3/3/21

Signature: 

- 1.041722 36.62836

APPENDIX

6-7 *SOIL QUALITY SURVEY – SITE PHOTOGRAPHS*



APPENDIX



A8s-1



A8s-2

APPENDIX



A8s-3



A8-1

APPENDIX



A8-2



A8-3

APPENDIX



A8-4



A8-5

APPENDIX



A8-6



A8-7

APPENDIX

6-8 *SOIL QUALITY SURVEY – PHYSICAL ANALYSIS LABORATORY RESULTS*





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 521/GS

SAMPLE: A1

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%
SAND: 0.1%
MUD: 99.9%

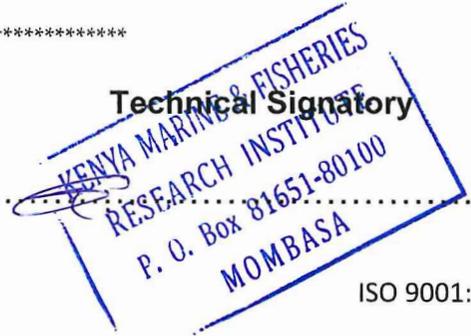
Size (µm)	% Volume In						
0.24	0	3.89	0	63	0	500	0
0.35	0	5.5	1.53	90	0	710	0
0.49	0.35	7.58	14.58	125	0	1000	0
0.69	6.37	11	16.49	180	0	1400	0
0.97	5.3	15.6	25.52	250	0	2000	0
1.38	1.73	22	18.39	355	0		
1.94	0	31.1	6.98				
2.75	0	44	2.75				

*****END OF TEST RESULTS *****

Analyst

[Handwritten Signature]

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 522/GS

SAMPLE: A8 SOUTH-3

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%
SAND: 0.0%
MUD: 100.0%

Size (µm)	% Volume In						
0.24	0	3.89	8.51	63	0	500	0
0.35	0	5.5	14.91	90	0	710	0
0.49	0	7.58	18.87	125	0	1000	0
0.69	0.42	11	10.48	180	0	1400	0
0.97	4.86	15.6	10.06	250	0	2000	0
1.38	14.99	22	4.09	355	0		
1.94	8.55	31.1	0.48				
2.75	3.78	44	0				

*****END OF TEST RESULTS *****

Analyst

Quake Amen

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 523/GS

SAMPLE: A8 -7

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%
SAND: 0.0%
MUD: 100.0%

Malvern Mastersizer 3000 particle size analysis

Size (µm)	% Volume In						
0.24	48.18	3.89	6.85	63	0	500	0
0.35	1.95	5.5	11.15	90	0	710	0
0.49	0.54	7.58	11.39	125	0	1000	0
0.69	0.43	11	5.45	180	0	1400	0
0.97	1.74	15.6	3.66	250	0	2000	0
1.38	4.04	22	0.22	355	0		
1.94	2.4	31.1	0				
2.75	2.03	44	0				

*****END OF TEST RESULTS *****

Analyst

Arato Culbert

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 524/GS

SAMPLE: A8 S -2

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0 %
SAND: 72.3 %
MUD: 27.7 %

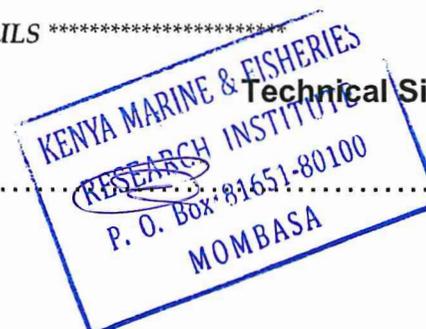
Size (µm)	% Volume In						
0.24	0	3.89	3.17	63	0.09	500	8.27
0.35	0	5.5	5.84	90	2.66	710	8.27
0.49	0	7.58	6.16	125	4.87	1000	6.84
0.69	0.19	11	2.34	180	11.11	1400	3.65
0.97	1.65	15.6	0.88	250	11.52	2000	6.25
1.38	4.58	22	0	355	10.21		
1.94	2.42	31.1	0				
2.75	1.09	44	0				

*****END OF TEST RESULTS *****

Analyst

Albert Ochieng

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 525/GS

SAMPLE: A8 S -1

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%
SAND: 0.0%
MUD: 100.0%

Size (µm)	% Volume In						
0.24	0	3.89	14.01	63	0	500	0
0.35	0	5.5	1.49	90	0	710	0
0.49	0	7.58	0	125	0	1000	0
0.69	5.98	11	0	180	0	1400	0
0.97	12.92	15.6	0	250	0	2000	0
1.38	28.1	22	0	355	0		
1.94	24.11	31.1	0				
2.75	13.38	44	0				

*****END OF TEST RESULTS *****

Analyst

Owais Gilbert

Kenya Marine and Fisheries Research Institute

Technical Signatory
KENYA MARINE & FISHERIES
RESEARCH INSTITUTE
P. O. Box 81651-80100
MOMBASA

ISO 9001:2015 CERTIFIED



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 526/GS

SAMPLE: A8 -6

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0 %
SAND: 0.0 %
MUD: 100.0 %

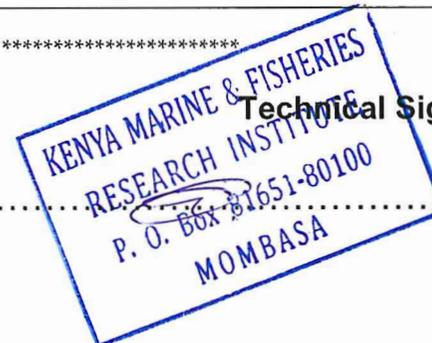
Size (µm)	% Volume In						
0.24	25.9	3.89	5.79	63	0	500	0
0.35	0.81	5.5	11.09	90	0	710	0
0.49	0.06	7.58	15.45	125	0	1000	0
0.69	0.67	11	9.42	180	0	1400	0
0.97	3.58	15.6	8.77	250	0	2000	0
1.38	9.17	22	1.87	355	0		
1.94	5.03	31.1	0				
2.75	2.36	44	0				

*****END OF TEST RESULTS*****

Analyst

Olwato Gilbert

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 527/GS

SAMPLE: A8 -4

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0 %
SAND: 0.0 %
MUD: 100.0 %

Size (µm)	% Volume In						
0.24	0	3.89	10.76	63	0	500	0
0.35	0	5.5	25.24	90	0	710	0
0.49	0	7.58	28.2	125	0	1000	0
0.69	1.27	11	11.07	180	0	1400	0
0.97	5.45	15.6	2.75	250	0	2000	0
1.38	11.07	22	0	355	0		
1.94	2.87	31.1	0				
2.75	1.32	44	0				

*****END OF TEST RESULTS *****

Analyst

Quato Culbert

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 528/GS

SAMPLE: A8 - 5

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%
SAND: 0.0%
MUD: 100.0%

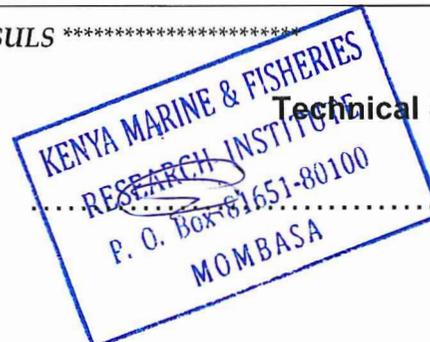
Size (µm)	% Volume In						
0.24	0	3.89	12.61	63	0	500	0
0.35	0	5.5	17.25	90	0	710	0
0.49	0.9	7.58	13.3	125	0	1000	0
0.69	3.99	11	3.14	180	0	1400	0
0.97	8.25	15.6	0.39	250	0	2000	0
1.38	20.72	22	0	355	0		
1.94	13.3	31.1	0				
2.75	6.16	44	0				

*****END OF TEST RESULTS *****

Analyst

Quarto Culbert

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 529/GS

SAMPLE: A3

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0 %
SAND: 3.7 %
MUD: 96.3 %

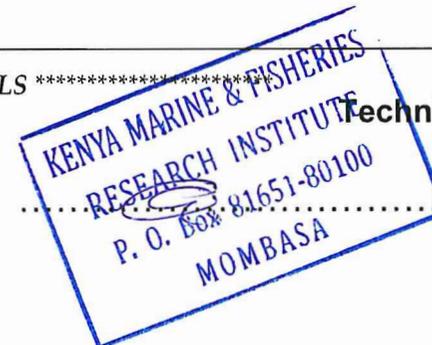
Size (µm)	% Volume In						
0.24	0	3.89	10.59	63	2.52	500	0
0.35	0	5.5	21.04	90	1.12	710	0
0.49	0	7.58	19.46	125	0	1000	0
0.69	2.12	11	5.46	180	0	1400	0
0.97	7.89	15.6	0.85	250	0	2000	0
1.38	18.16	22	0	355	0		
1.94	7.22	31.1	0				
2.75	2.42	44	1.17				

*****END OF TEST RESULTS*****

Analyst

Quanda Cuscut

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 530/GS

SAMPLE: A2

ANALYSIS DATE: 18/03/2021

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0 %
SAND: 0.0 %
MUD: 100.0%

Size (µm)	% Volume In						
0.24	0	3.89	6.15	63	0	500	0
0.35	0	5.5	18.92	90	0	710	0
0.49	0	7.58	29.26	125	0	1000	0
0.69	0.42	11	17.59	180	0	1400	0
0.97	3.1	15.6	13.53	250	0	2000	0
1.38	7.57	22	0.6	355	0		
1.94	2.21	31.1	0				
2.75	0.66	44	0				

*****END OF TEST RESULTS *****

Analyst

Technical Signatory

Quodo Culbert



APPENDIX

6-9 *SOIL QUALITY SURVEY – CHEMICAL ANALYSIS LABORATORY RESULTS*



Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00934.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 02/03/2021
SAMPLING LOCATION: A8-4
SAMPLE RECEIVED: 04/03/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 1310HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211655 0000127078

Page 1 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00934.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 02/03/2021
 SAMPLING LOCATION: A8-4
 SAMPLE RECEIVED: 04/03/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 MAU SUMMIT HIGHWAY PROJECT
 TIME: 1310HRS
 DEPTH OF SAMPLING: 50CM
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.33	mg/kg
Copper as Cu		5.52	mg/kg
Nickel as Ni		7.33	mg/kg
Lead as Pb		10.76	mg/kg
Zinc as Zn		43.72	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211655 0000127078

Page 2 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

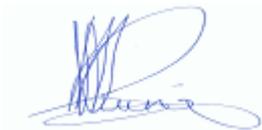
Analysis Report MA21-00934.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 02/03/2021
 SAMPLING LOCATION: A8-4
 SAMPLE RECEIVED: 04/03/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 MAU SUMMIT HIGHWAY PROJECT
 TIME: 1310HRS
 DEPTH OF SAMPLING: 50CM
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		21.38	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

120320211655 0000127078

Page 3 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00934.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211655 0000127078

Page 4 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00934.002

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 02/03/2021
SAMPLING LOCATION: A8-5
SAMPLE RECEIVED: 04/03/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
NNM HIGHWAY PROJECT
TIME: 1425HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211655 0000127078

Page 5 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00934.002

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 02/03/2021
SAMPLING LOCATION: A8-5
SAMPLE RECEIVED: 04/03/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
NNM HIGHWAY PROJECT
TIME: 1425HRS
DEPTH OF SAMPLING: 50CM
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.40	mg/kg
Copper as Cu		9.08	mg/kg
Nickel as Ni		7.21	mg/kg
Lead as Pb		15.35	mg/kg
Zinc as Zn		59.03	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211655 0000127078

Page 6 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

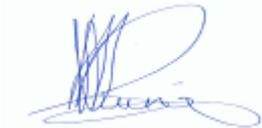
Analysis Report MA21-00934.002

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 02/03/2021
 SAMPLING LOCATION: A8-5
 SAMPLE RECEIVED: 04/03/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 NNM HIGHWAY PROJECT
 TIME: 1425HRS
 DEPTH OF SAMPLING: 50CM
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		8.34	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

120320211655 0000127078

Page 7 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00934.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211655 0000127078

Page 8 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00934.003

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 02/03/2021
SAMPLING LOCATION: A8-6
SAMPLE RECEIVED: 04/03/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 1520HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211655 0000127078

Page 9 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00934.003

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 02/03/2021
SAMPLING LOCATION: A8-6
SAMPLE RECEIVED: 04/03/2021
ANALYSIS STARTED: 05/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 1520HRS
DEPTH OF SAMPLING: 50CM
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.28	mg/kg
Copper as Cu		8.87	mg/kg
Nickel as Ni		15.85	mg/kg
Lead as Pb		14.41	mg/kg
Zinc as Zn		70.15	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211655 0000127078

Page 10 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

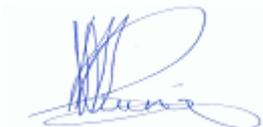
Analysis Report MA21-00934.003

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 02/03/2021
 SAMPLING LOCATION: A8-6
 SAMPLE RECEIVED: 04/03/2021
 ANALYSIS STARTED: 05/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 MAU SUMMIT HIGHWAY PROJECT
 TIME: 1520HRS
 DEPTH OF SAMPLING: 50CM
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		25.24	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

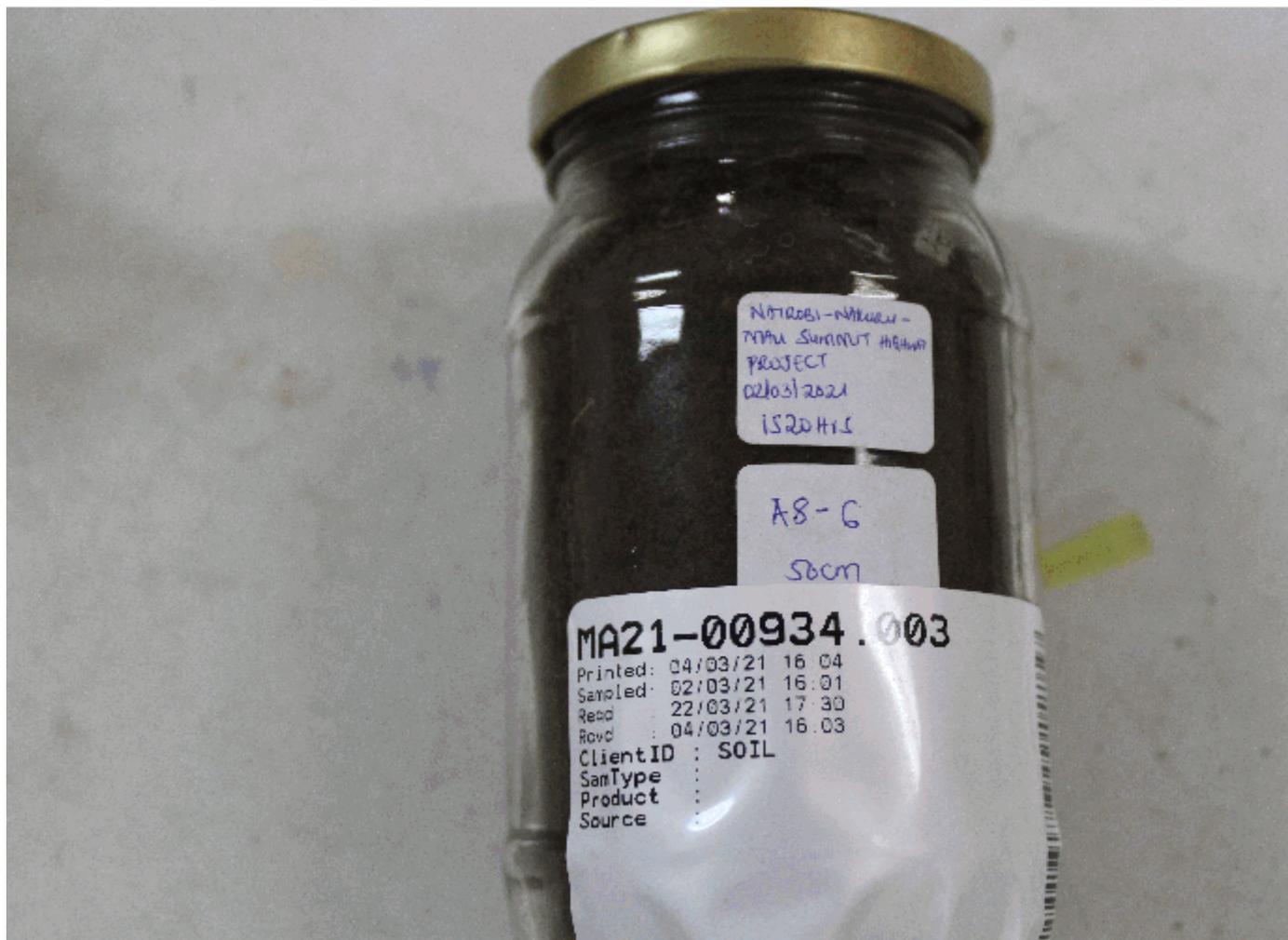
120320211655 0000127078

Page 11 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00934.003

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211655 0000127078

Page 12 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00946.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8S-1
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 1235HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211721 0000127090

Page 1 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00946.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8S-1
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 1235HRS
DEPTH OF SAMPLING: 50CM
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.37	mg/kg
Copper as Cu		3.68	mg/kg
Nickel as Ni		2.43	mg/kg
Lead as Pb		12.53	mg/kg
Zinc as Zn		91.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211721 0000127090

Page 2 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00946.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 03/03/2021
 SAMPLING LOCATION: A8S-1
 SAMPLE RECEIVED: 05/03/2021
 ANALYSIS STARTED: 08/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 MAU SUMMIT HIGHWAY PROJECT
 TIME: 1235HRS
 DEPTH OF SAMPLING: 50CM
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		3.15	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

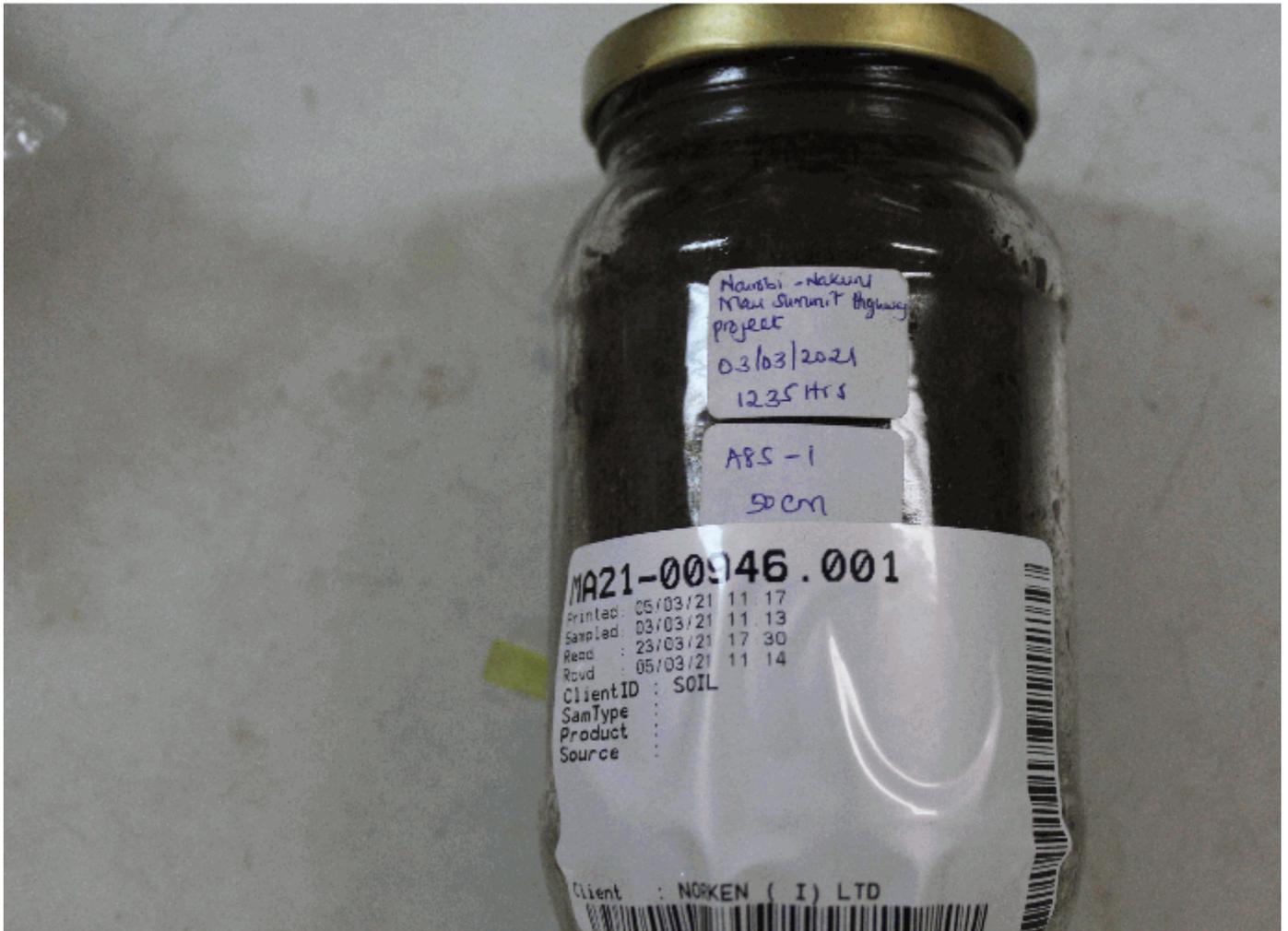
120320211721 0000127090

Page 3 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00946.001

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211721 0000127090

Page 4 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00946.002

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8 SOUTH-2
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 1020HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211736 0000127094

Page 1 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00946.002

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8 SOUTH-2
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 1020HRS
DEPTH OF SAMPLING: 50CM
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.33	mg/kg
Copper as Cu		5.01	mg/kg
Nickel as Ni		2.96	mg/kg
Lead as Pb		12.58	mg/kg
Zinc as Zn		71.71	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211736 0000127094

Page 2 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00946.002

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 03/03/2021
 SAMPLING LOCATION: A8 SOUTH-2
 SAMPLE RECEIVED: 05/03/2021
 ANALYSIS STARTED: 08/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 MAU SUMMIT HIGHWAY PROJECT
 TIME: 1020HRS
 DEPTH OF SAMPLING: 50CM
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		3.31	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

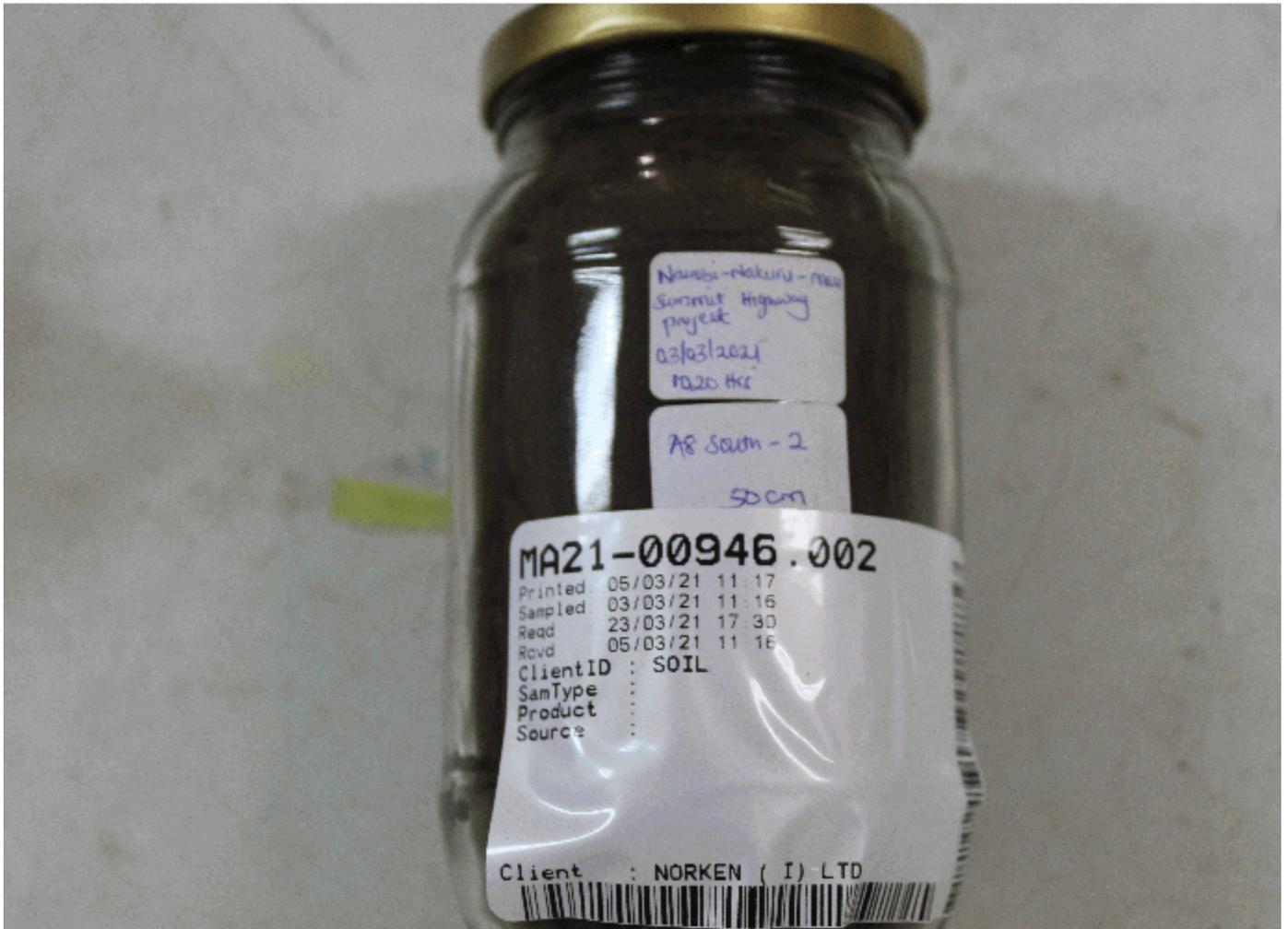
120320211736 0000127094

Page 3 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00946.002

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211736 0000127094

Page 4 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00946.003

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8 SOUTH-3
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 0910HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211729 0000127092

Page 1 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00946.003

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8 SOUTH-3
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 0910HRS
DEPTH OF SAMPLING: 50CM
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.49	mg/kg
Copper as Cu		10.89	mg/kg
Nickel as Ni		8.53	mg/kg
Lead as Pb		27.65	mg/kg
Zinc as Zn		134.45	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211729 0000127092

Page 2 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

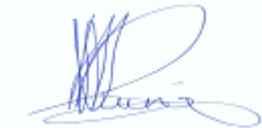
Analysis Report MA21-00946.003

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 03/03/2021
 SAMPLING LOCATION: A8 SOUTH-3
 SAMPLE RECEIVED: 05/03/2021
 ANALYSIS STARTED: 08/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 MAU SUMMIT HIGHWAY PROJECT
 TIME: 0910HRS
 DEPTH OF SAMPLING: 50CM
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		17.70	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

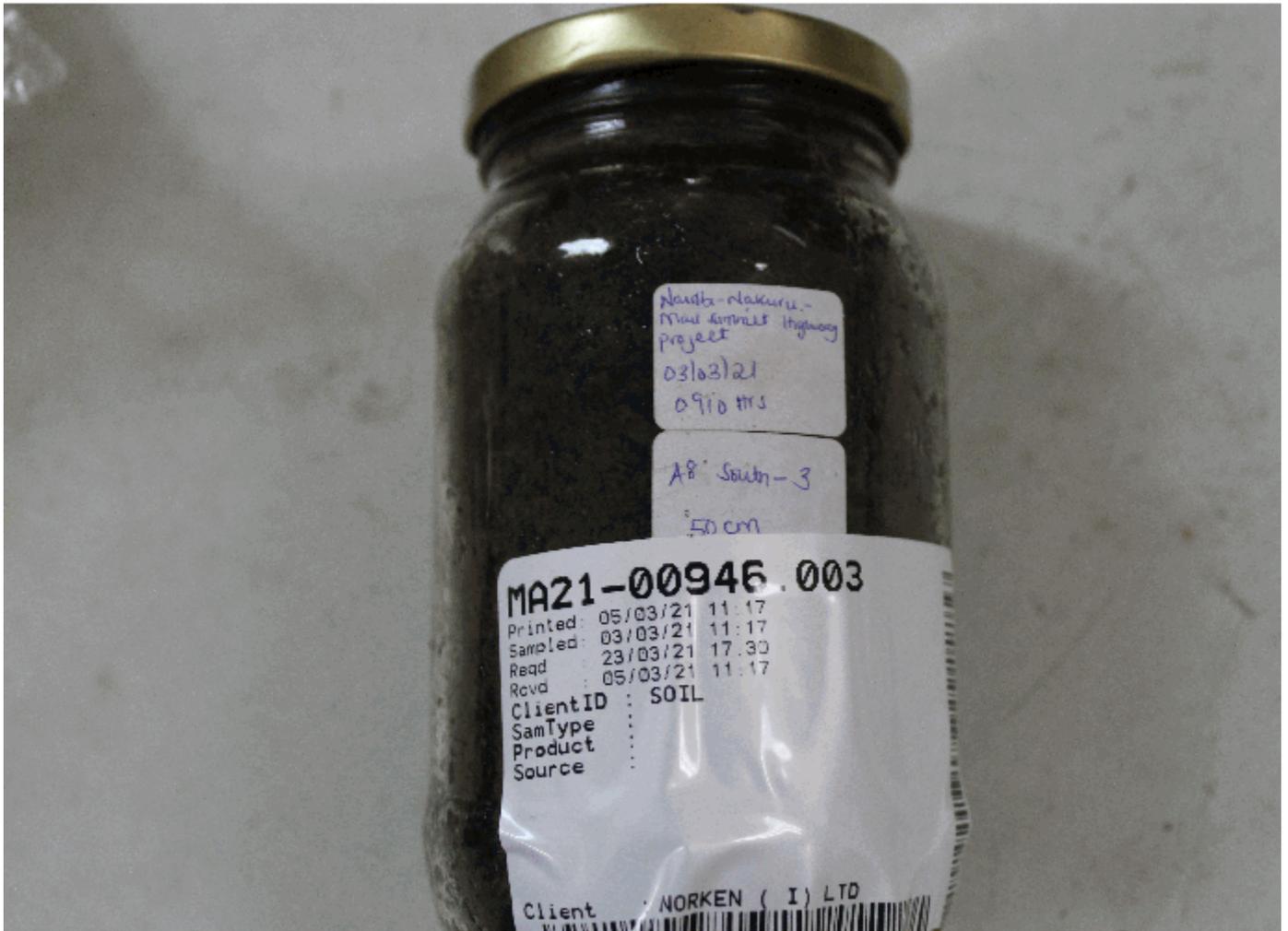
120320211729 0000127092

Page 3 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-00946.003

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211729 0000127092

Page 4 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00947.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8-7
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 0750HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211622 0000127074

Page 1 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00947.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8-7
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 0750HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.40	mg/kg
Copper as Cu		4.74	mg/kg
Nickel as Ni		6.72	mg/kg
Lead as Pb		28.07	mg/kg
Zinc as Zn		49.38	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211622 0000127074

Page 2 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00947.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8-7
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 0750HRS
DEPTH OF SAMPLING: 50CM
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		12.11	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

120320211622 0000127074

Page 3 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00947.001

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211622 0000127074

Page 4 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-00947.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8-7
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 0750HRS
DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Total Petroleum Hydrocarbons	EPA 8015C		
GRO (TPH C6 - C10)		<1.0	mg/kg
DRO (TPH C10 - C28)		<1.0	mg/kg
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.10	mg/kg
Acenaphthylene		<0.10	mg/kg
Anthracene		<0.10	mg/kg
Benzo(a)anthracene		<0.10	mg/kg
Benzo(a)pyrene		<0.10	mg/kg
Benzo(b)fluoranthene		<0.10	mg/kg
Benzo(g,h,i)perylene		<0.10	mg/kg
Benzo(k)fluoranthene		<0.10	mg/kg
Chrysene		<0.10	mg/kg
Dibenz(a,h)anthracene		<0.10	mg/kg
Fluoranthene		<0.10	mg/kg
Fluorene		<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211622 0000127074

Page 1 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-00947.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 03/03/2021
 SAMPLING LOCATION: A8-7
 SAMPLE RECEIVED: 05/03/2021
 ANALYSIS STARTED: 08/03/2021
 ANALYSIS COMPLETED: 12/03/2021
 SGS ORDERNO: 5000215
 MARKS: DELIVERED IN AGLASS CONTAINER
 MAU SUMMIT HIGHWAY PROJECT
 TIME: 0750HRS
 DEPTH OF SAMPLING: 50CM

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Indeno(1,2,3-cd)pyrene		<0.10	mg/kg
Naphthalene		<0.10	mg/kg
Phenanthrene		<0.10	mg/kg
Pyrene		<0.10	mg/kg
Volatile Organic Compounds	EPA 8260C		
Benzene		<10	µg/kg
Toluene		<10	µg/kg
Ethylbenzene		<10	µg/kg
Xylenes (sum)		<20	µg/kg
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.40	mg/kg
Copper as Cu		4.74	mg/kg
Nickel as Ni		6.72	mg/kg
Lead as Pb		28.07	mg/kg
Zinc as Zn		49.38	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist



Caroline Chege-Chemist

120320211622 0000127074

Page 2 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 12/03/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

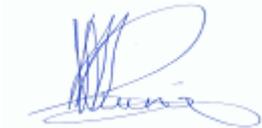
Analysis Report MA21-00947.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 03/03/2021
SAMPLING LOCATION: A8-7
SAMPLE RECEIVED: 05/03/2021
ANALYSIS STARTED: 08/03/2021
ANALYSIS COMPLETED: 12/03/2021
SGS ORDERNO: 5000215
MARKS: DELIVERED IN AGLASS CONTAINER
MAU SUMMIT HIGHWAY PROJECT
TIME: 0750HRS
DEPTH OF SAMPLING: 50CM
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Chromium as Cr		12.11	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Stephen Musyoka-Chemist

Technical Signatory



Caroline Chege-Chemist

120320211622 0000127074

Page 3 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-00947.001

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

Technical Signatory

Caroline Chege-Chemist

120320211622 0000127074

Page 4 of 4

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

APPENDIX

6-10 *SEDIMENT QUALITY SURVEY – FIELD DATA SHEETS*





Sediment Sampling Data Sheet

Site # or stream name (if known): 1 Water present: Yes No
 Date: 02/05/2021 Person recording data: Quwato Gilbert

Weather in past **24 hours** Weather **now**
 Heavy rain Heavy rain
 Steady rain Steady rain
 Showers (intermittent rain) Showers (intermittent rain)
 Clear/sunny Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>10:39</u>	Time <u>10:49</u>
Watercourse depth <u>1m</u>	Watercourse depth <u>3m</u>
Sampling depth <u>10cm</u>	Sampling depth <u>30cm</u>
Latitude <u>S 00° 47' 55.1"</u>	Latitude <u>S 00° 47' 55.8"</u>
Longitude <u>E 086° 31' 28.5"</u>	Longitude <u>E 086° 31' 32.6"</u>
Photos # <u>10</u>	Photos # <u>10</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Homestead, planted forest planted forest
 cattle grazing land, homestead.

TRY	TRY SUCCESSFUL?	VOLUME %
1	No	0
2	No	0
3	No	0
4	No	0
5	No	0
6	No	0
7	No	0
8	No	0
9	No	0
10	No	0

TRY	TRY SUCCESSFUL?	VOLUME %
1	No	0
2	No	0
3	No	0
4	No	0
5	No	0
6	No	0
7	No	0
8	No	0
9	No	0
10	No	0

PARAMETER **	DESCRIPTION UPSTREAM	DESCRIPTION DOWNSTREAM
Granulometry	Hard rock	Hard rock
Odor	Decomposition of dead animal	NONE
Color	Grey	Grey
Presence of debris	food wrappers, plastics	plastics
Organic material	Grass, leaves	Grass, leaves
Living organism	Tadpoles	Tadpoles

** See section 4 for more information



Sediment Sampling Data Sheet

Site # or stream name: 3

Date: 14/12/2020

Time: 10:16

Approx watercourse depth 10 CM

Person recording data: GILBERT OWATO

Site description:

AGRICULTURAL FARMS IN THE SURROUNDING, CATTLE WATERING POINT, CAR WASH, BATHING

Latitude: 0°41'41.87"S

Longitude: 36°25'21.58"E

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	100
2	YES	100
3	YES	100
4	YES	100
5	YES	100
6	YES	100
7	YES	100
8	YES	100
9	YES	100
10	YES	100

PARAMETER	DESCRIPTION
Granulometry	TO BE DONE IN THE LABORATORY
Odor	YES
Color	GREY BLACK
Presence of debris	YES, E-WASTES,CLOTHING,PLASTICS
Organic material	YES, PLANT MATERIALS
Living organism	YES, RED WORMS

Picture of sediments #: POINT 3



Sediment Sampling Data Sheet

Site # or stream name: B+ (4+)

Date: 13/12/2020

Time: 12:56

Approx watercourse depth 4 M

Person recording data: GILBERT OWATO

Site description:

THERE IS IRRIGATION OF SMALL FARMS ADJUCENT TO THE RIVER, CAR WASHING, BATHING AND WASHING OF UTENSILS.

Latitude: 0°40'4.55"S

Longitude: 36°23'16.57"E

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	90
2	YES	100
3	YES	100
4	YES	100
5	YES	100
6	YES	100
7	YES	100
8	YES	100
9	YES	100
10	YES	100

PARAMETER	DESCRIPTION
Granulometry	TO BE DONE IN THE LABORATORY
Odor	YES
Color	BLACK BROWN
Presence of debris	YES, PLASTICS AND OTHER LITTER
Organic material	PLANT MATERIALS
Living organism	NOT VISIBLE

Picture of sediments #: POINT B+



Sediment Sampling Data Sheet

Site # or stream name: 5

Date: 13/12/2020

Time: 10:09

Approx watercourse depth 5 M

Person recording data: GILBERT OWATO

Site description:

SURROUNDED BY A RANCH ON BOTH SIDES

Latitude: 0°34'17.23"S

Longitude: 36°21'38.36"E

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	100
2	YES	100
3	YES	100
4	YES	100
5	YES	100
6	YES	100
7	YES	100
8	YES	100
9	YES	100
10	YES	100

PARAMETER	DESCRIPTION
Granulometry	TO BE DONE IN THE LABORATORY
Odor	YES
Color	BLACK BROWN
Presence of debris	YES, PLASTICS
Organic material	YES, PLANT MATERIALS
Living organism	NOT VISIBLE

Picture of sediments #: POINT 5



Sediment Sampling Data Sheet

Site # or stream name (if known): 8 Water present: Yes No
 Date: 01/05/2021 Person recording data: Oswato Culbert.

Weather in past **24 hours** Weather **now**
 Heavy rain Heavy rain
 Steady rain Steady rain
 Showers (intermittent rain) Showers (intermittent rain)
 Clear/sunny Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>11:26</u>	Time <u>10:45</u>
Watercourse depth <u>1m</u>	Watercourse depth <u>2m</u>
Sampling depth <u>30cm</u>	Sampling depth <u>30cm</u>
Latitude <u>S 00° 21' 27.7"</u>	Latitude <u>S 00° 21' 29.7"</u>
Longitude <u>E 036° 12' 27.7"</u>	Longitude <u>E 036° 12' 06.6"</u>
Photos # <u>80</u>	Photos # <u>80</u>
Duplicate <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes # <u>010</u>	Duplicate <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes # <u>010</u>

Site description (i.e surrounding land use and connectivity with other waterbodies):
wetland, picnic site fenced ranch and residential area

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	5%
2	NO	0%
3	NO	0%
4	YES	20%
5	YES	30%
6	YES	15%
7	YES	30%
8		
9		
10		

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	25%
2	YES	25%
3	YES	50%
4		
5		
6		
7		
8		
9		
10		

PARAMETER **	DESCRIPTION UPSTREAM	DESCRIPTION DOWNSTREAM
Granulometry	Hard rock, boulders, pebbles, silt	Boulder, pebble, silt
Odor	Sulphur	Sulphur
Color	Grey white	Grey white
Presence of debris	Plastics, food wrappers	food wrappers, plastics
Organic material	Thorn roses, grass, leaves	grass, leaves
Living organism	Earthworms	Earthworms

** See section 4 for more information



Sediment Sampling Data Sheet

Site # or stream name: 10

Date: 12/12/2020

Time: 12:22

Approx watercourse depth 5 CM

Person recording data: GILBERT OWATO

Site description:
MAIZE PLANTATION, FORESTED AREA, CATTLE REARING
AND FAST FLOWING RIVER

Latitude: 0°11'56.80" S

Longitude: 35°49'48.33" E

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	100
2	YES	100
3	YES	100
4	YES	100
5	YES	100
6	YES	100
7	YES	100
8	YES	100
9	YES	100
10	YES	100

PARAMETER	DESCRIPTION
Granulometry	TO BE DONE IN THE LABORATORY
Odor	YES
Color	GREY BLACK
Presence of debris	YES, PLASTICS
Organic material	YES, PLANT MATERIAL
Living organism	NOT VISISBLE

Picture of sediments #: POINT 10



Sediment Sampling Data Sheet

Site # or stream name (if known): 12 Water present: Yes No

Date: 30/04/2021 Person recording data: Owato Gilbert

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>13:31</u>	Time <u>12:45</u>
Watercourse depth <u>30 cm</u>	Watercourse depth <u>1 m</u>
Sampling depth <u>20 cm</u>	Sampling depth <u>20 cm</u>
Latitude <u>S 00° 12' 18.6"</u>	Latitude <u>S 00° 12' 20.9"</u>
Longitude <u>E 035° 47' 04.7"</u>	Longitude <u>E 035° 47' 06.2"</u>
Photos # <u>120</u>	Photos # <u>120</u>
Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # _____

Site description (i.e surrounding land use and connectivity with other waterbodies):

Planted forest
Cultivated place

Homestead and cultivated land

TRY	TRY SUCCESSFUL?	VOLUME %
1	NO	0
2	YES	30
3	YES	30
4	YES	30
5	YES	10
6		
7		
8		
9		
10		

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	10
2	NO	0
3	YES	10
4	YES	10
5	NO	0
6	YES	20
7	YES	20
8	NO	0
9	YES	20
10	YES	10

PARAMETER **	DESCRIPTION UPSTREAM	DESCRIPTION DOWNSTREAM
Granulometry	Boulder, Bobble, pebble, sand, silt	Coarse, pebbles, silt
Odor	YES	YES (fertilizer)
Color	Black, grey	Grey, black
Presence of debris	Plastics and soap wrappers	None
Organic material	Roots	Leaves, roots
Living organism	Worms, flies	Worms

** See section 4 for more information



Sediment Sampling Data Sheet

Site # or stream name: 15

Date: 12/12/2020

Time: 10:40

Approx watercourse depth 9 CM

Person recording data: GILBERT OWATO

Site description:

CAR WASH, WASHING OF UTENSILS, LAUNDRY, AND CATTLE DRINKING POINT

Latitude: 0° 9'39.39"S

Longitude: 35°41'44.01"E

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	100
2	YES	100
3	YES	100
4	YES	100
5	YES	100
6	YES	100
7	YES	100
8	YES	100
9	YES	100
10	YES	100

PARAMETER	DESCRIPTION
Granulometry	TO BE DONE IN THE LABORATORY
Odor	YES (SULPHUR)
Color	BROWN BLACK
Presence of debris	YES, THROWN PLASTICS, PAPERS, SOAP WRAPERS
Organic material	YES, PLANT MATERIAL
Living organism	YES, RED WORMS

Picture of sediments #: POINT 15



Sediment Sampling Data Sheet

Site # or stream name: B3

Date: 14/12/2020

Time: 14:50

Approx watercourse depth 30 CM

Person recording data: GILBERT OWATO

Site description:
CAR WASH AND WATER ABSTRACTION LOADING POINT

Latitude: 0°58'31.38"S

Longitude: 36°34'43.16"E

Weather in past 24 hours

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

Weather now

- Heavy rain
- Steady rain
- Showers (intermittent rain)
- Clear/sunny

TRY	TRY SUCCESSFUL?	VOLUME %
1	YES	100
2	YES	100
3	YES	100
4	YES	100
5	YES	100
6	YES	100
7	YES	100
8	YES	100
9	YES	100
10	YES	100

PARAMETER	DESCRIPTION
Granulometry	TO BE DONE IN THE LABORATORY
Odor	YES
Color	BLACK, GREY
Presence of debris	YES, TIRE PICES, PLASTICS
Organic material	YES, PLANT MATERIALS
Living organism	YES, REDWORMS

Picture of sediments #: POIN B3



Sediment Sampling Data Sheet

Site # or stream name (if known): B7 Water present: Yes No

Date: 02/05/2021 Person recording data: Quinto Gilbert

- Weather in past **24 hours**
- Heavy rain
 - Steady rain
 - Showers (intermittent rain)
 - Clear/sunny
- Weather **now**
- Heavy rain
 - Steady rain
 - Showers (intermittent rain)
 - Clear/sunny

UPSTREAM	DOWNSTREAM
Watercourse accessible <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Watercourse accessible <input type="checkbox"/> Yes <input type="checkbox"/> No
Time <u>08:14</u>	Time <u>08:30</u>
Watercourse depth <u>2m.</u>	Watercourse depth <u>10m.</u>
Sampling depth <u>-</u>	Sampling depth <u>-</u>
Latitude <u>S 00° 54' 24.4"</u>	Latitude <u>S 00° 54' 26.4"</u>
Longitude <u>E 036° 30' 54.2"</u>	Longitude <u>E 036° 30' 53.2"</u>
Photos # <u>B7 U</u>	Photos # <u>B7 D</u>
Duplicate <input type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>	Duplicate <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes # <u> </u>

Site description (i.e surrounding land use and connectivity with other waterbodies):

<u>Thicket and bushes</u>	<u>Railway construction.</u>
<u>surrounded by hills</u>	<u>planted forest</u>

TRY	TRY SUCCESSFUL?	VOLUME %
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

TRY	TRY SUCCESSFUL?	VOLUME %
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

PARAMETER **	DESCRIPTION UPSTREAM	DESCRIPTION DOWNSTREAM
Granulometry	<u>Sand</u>	<u>Sand</u>
Odor	<u>Animal dung</u>	<u>-</u>
Color	<u>Brown white</u>	<u>Brown white</u>
Presence of debris	<u>PLASTICS</u>	<u>plastics & Burned metals</u>
Organic material	<u>shrubs, grass</u>	<u>shrubs, grass</u>
Living organism	<u>Not seen</u>	<u>not seen.</u>

** See section 4 for more information

APPENDIX

6-11 *SEDIMENT QUALITY SURVEY - PHYSICAL ANALYSIS LABORATORY RESULTS*

KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 001/GS



SAMPLE: B3 (Upstream)

ANALYSIS DATE: 29/12/2020

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%
SAND: 0.0%
MUD: 100.0%

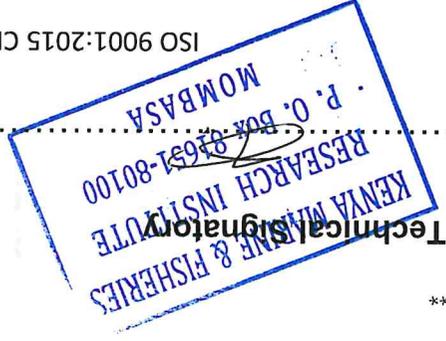
Size (µm)	% Volume In						
0.24	0	3.89	13.86	63	0	500	0
0.35	0	5.5	11.86	90	0	710	0
0.49	0	7.58	15	125	0	1000	0
0.69	0	11	15.04	180	0	1400	0
0.97	1.24	15.6	11.51	250	0	2000	0
1.38	4.17	22	4.33	355	0		
1.94	8.86	31.1	0				
2.75	14.13	44	0				

*****END OF TEST RESULTS*****

Analyst

Oliver Owe

Kenya Marine and Fisheries Research Institute



ISO 9001:2015 CERTIFIED

KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 003/GS



SAMPLE: B+ (Upstream)

ANALYSIS DATE: 29/12/2020

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 69.0%

SAND: 31.0%

MUD: 0.0%

Malvern Mastersizer 3000 particle size analysis

Size (µm)	% Volume In						
0.24	0	3.89	1.23	63	3.43	500	16.07
0.35	0	5.5	1.15	90	4.31	710	6.14
0.49	0	7.58	1.55	125	7.36	1000	0.01
0.69	0	11	1.65	180	10.66	1400	0
0.97	0.05	15.6	1.69	250	16.64	2000	0
1.38	0.35	22	1.74	355	19.45		
1.94	0.75	31.1	1.97				
2.75	1.21	44	2.59				

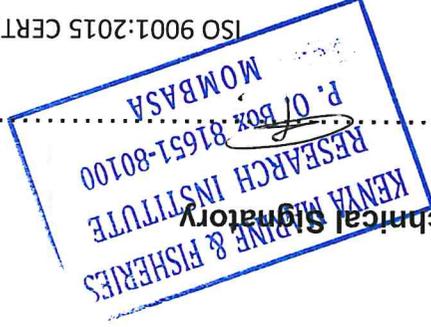
Analyst

Clifford O. Oduro

Kenya Marine and Fisheries Research Institute

*****END OF TEST RESULTS*****

Technical Signatory



ISO 9001:2015 CERTIFIED

KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA, KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 005/GS

SAMPLE: 5 (Upstream)

ANALYSIS DATE: 29/12/2020

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%

SAND: 0.0%

MUD: 100.0%

Size (µm)	% Volume In						
0.24	0	63	0	500	0		
0.35	0	90	0	710	0		
0.49	0	125	0	1000	0		
0.69	0	180	0	1400	0		
0.97	3.4	250	0	2000	0		
1.38	9.81	355	0				
1.94	16.66						
2.75	21.58	44	0				

*****END OF TEST RESULTS *****

Analyst

.....

Kenya Marine and Fisheries Research Institute



ISO 9001:2015 CERTIFIED

KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 007/GS



SAMPLE: 3 (Upstream)

ANALYSIS DATE: 29/12/2020

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 67.2%

SAND: 32.8%

MUD: 0.0%

Size (µm)	% Volume In						
0.24	0	3.89	1.46	63	3.04	500	11.49
0.35	0	5.5	1.36	90	3.27	710	4.52
0.49	0	7.58	1.87	125	7.01	1000	1.23
0.69	0	11	2.01	180	12.37	1400	0.64
0.97	0.04	15.6	2.07	250	18.78	2000	0
1.38	0.36	22	2.21	355	17.81		
1.94	0.87	31.1	2.55				
2.75	1.45	44	3				

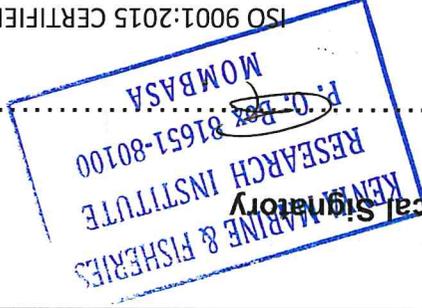
*****END OF TEST RESULTS*****

Analyst

Clifford O. Ochieng

Kenya Marine and Fisheries Research Institute

ISO 9001:2015 CERTIFIED



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-080100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 009/GS



SAMPLE: 15 (Upstream)
ANALYSIS DATE: 29/12/2020

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 0.0%
SAND: 100.0%
MUD: 0.0%

Size (µm)	% Volume In	Size (µm)	% Volume In	Size (µm)	% Volume In
0.24	0	63	10.79	500	0
0.35	0	90	7.6	710	0
0.49	0	125	2.16	1000	0
0.69	0	180	0	1400	0
0.97	0.05	250	0	2000	0
1.38	0.64	355	0		
1.94	2.42				
2.75	4.78	44	10.38		

*****END OF TEST RESULTS *****

Analyst

Grace O. Ochieng

Kenya Marine and Fisheries Research Institute

ISO 9001:2015 CERTIFIED



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE
P.O. BOX 81651-80100
SILOS ROAD, ENGLISH POINT, MKOMANI
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 011/GS



SAMPLE: 10 (Upstream)
ANALYSIS DATE: 29/12/2020

Method: Laser Diffraction Particle Size analysis

GRAIN SIZE DISTRIBUTION

GRAVEL: 94.6%
SAND: 5.4%
MUD: 0.0%

Size (µm)	% Volume In						
0.24	0	3.89	1.12	63	0	500	27.48
0.35	0	5.5	1.28	90	0	710	4.84
0.49	0	7.58	1.32	125	0	1000	0
0.69	0	11	0.35	180	2.91	1400	0
0.97	0	15.6	0	250	21.3	2000	0
1.38	0.02	22	0	355	38.1		
1.94	0.39	31.1	0				
2.75	0.9	44	0				

*****END OF TEST RESULTS *****

Analyst

Clifford G. G. G.

Kenya Marine and Fisheries Research Institute

ISO 9001:2015 CERTIFIED



APPENDIX

6-12 *SEDIMENT QUALITY SURVEY – CHEMICAL ANALYSIS LABORATORY RESULTS*



Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.007

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 13/12/20 b+(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

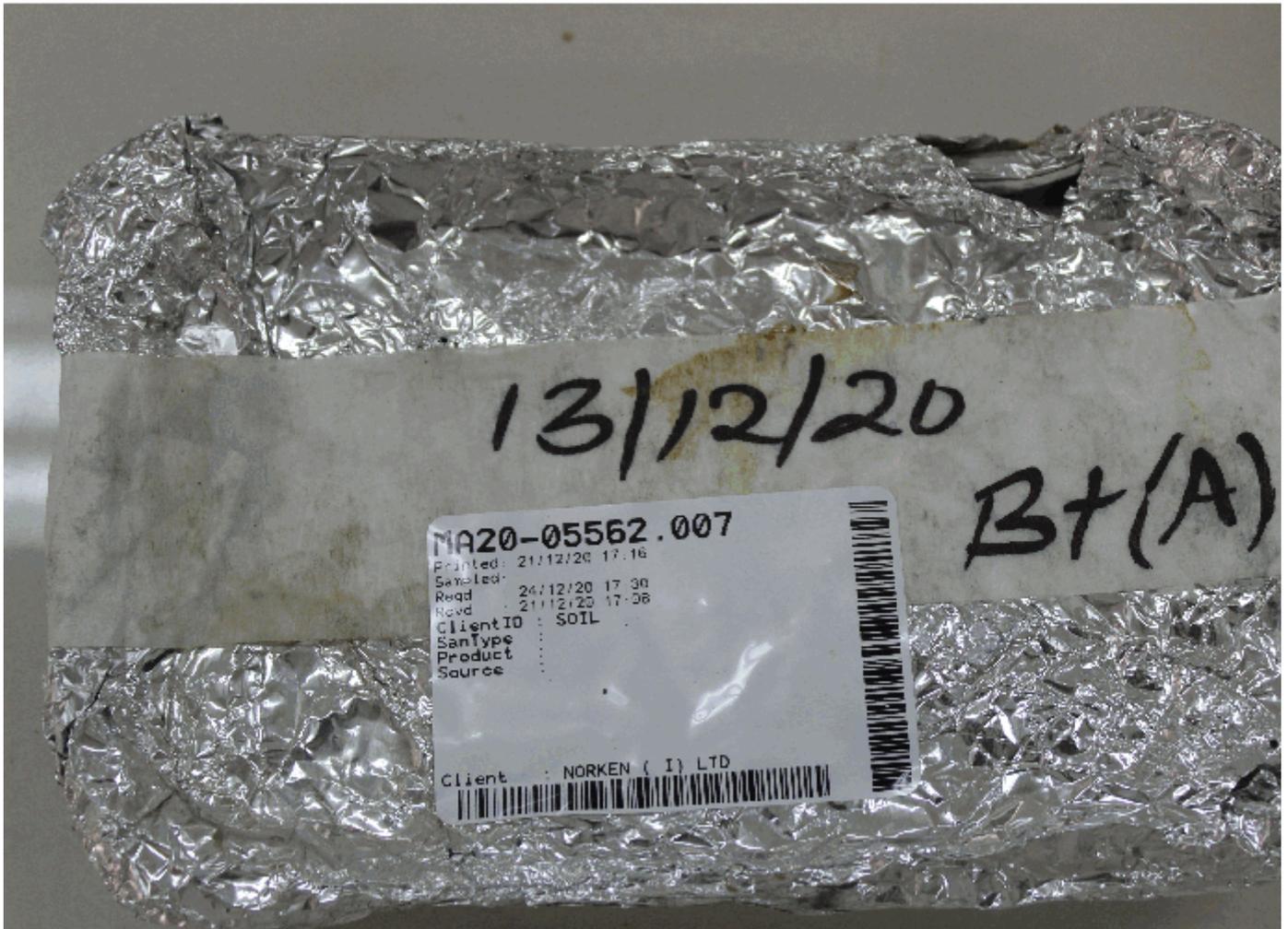
241220201048 0000125261

Page 1 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201053 0000125261

Page 2 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.008

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 13/12/20 b+(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

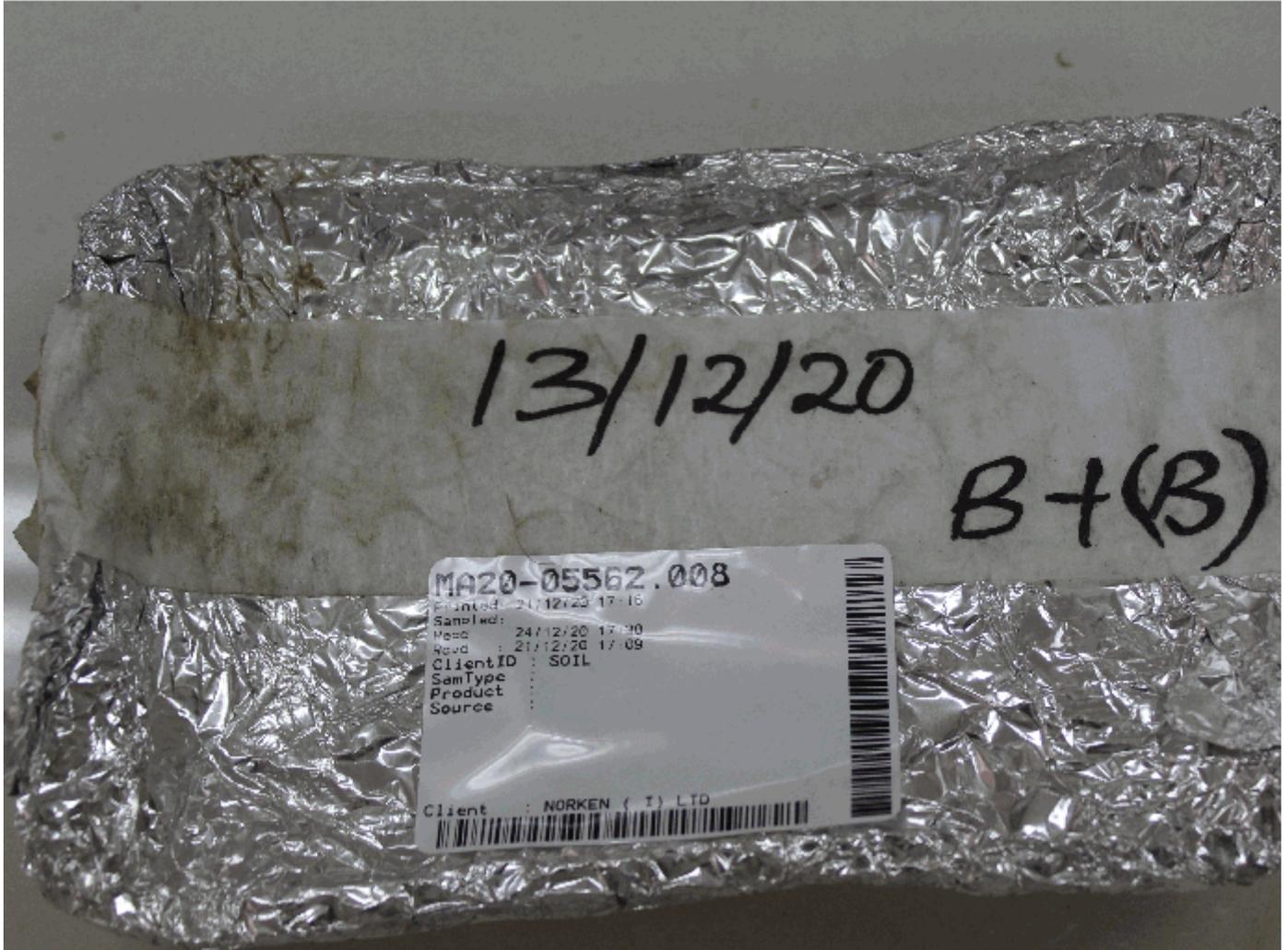
241220201053 0000125261

Page 3 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.008

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201053 0000125261

Page 4 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.009

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 23/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
14/12/20 3(a)

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

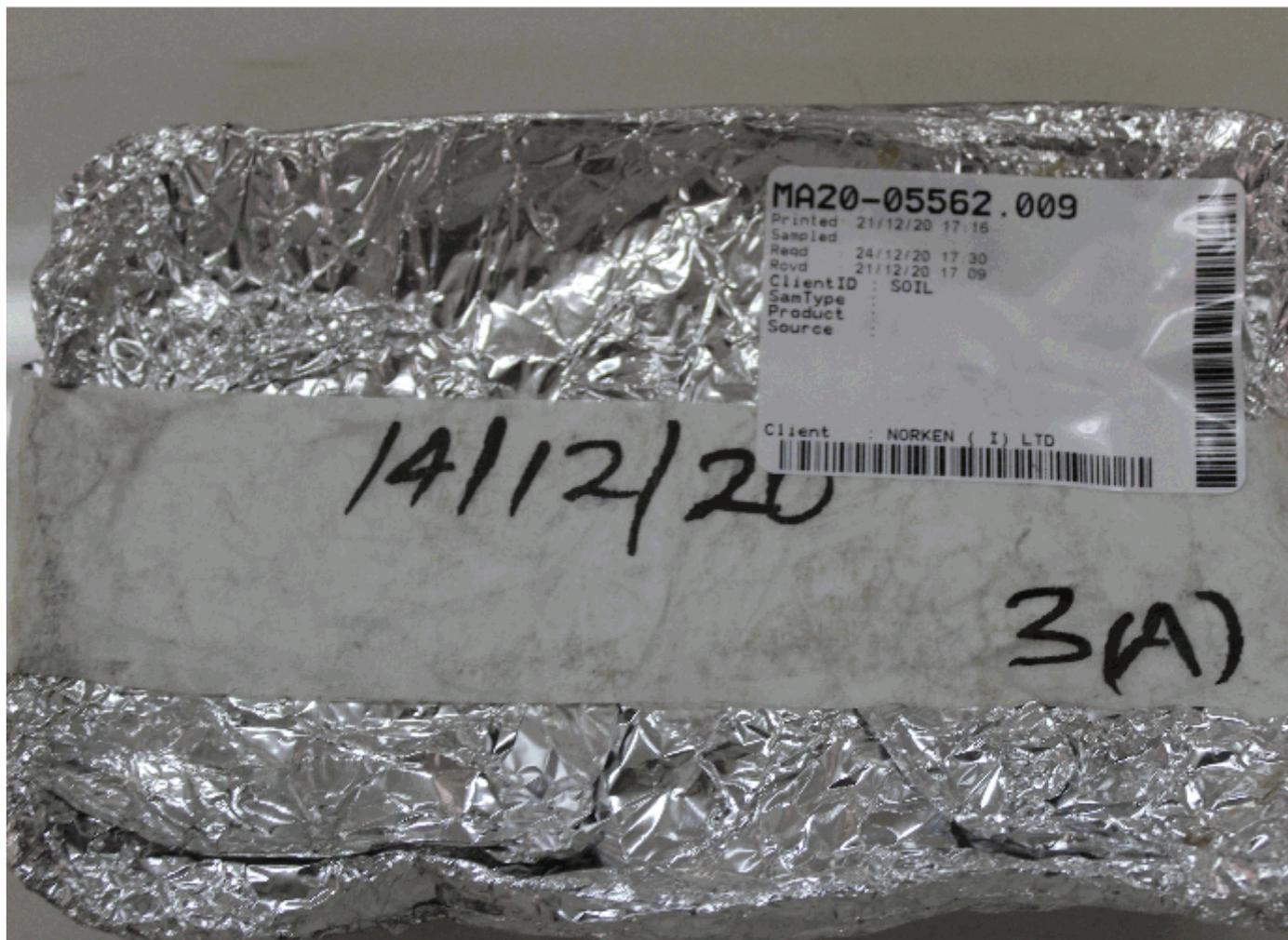
241220201053 0000125261

Page 5 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201053 0000125261

Page 6 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.010

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 14/12/20 3(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

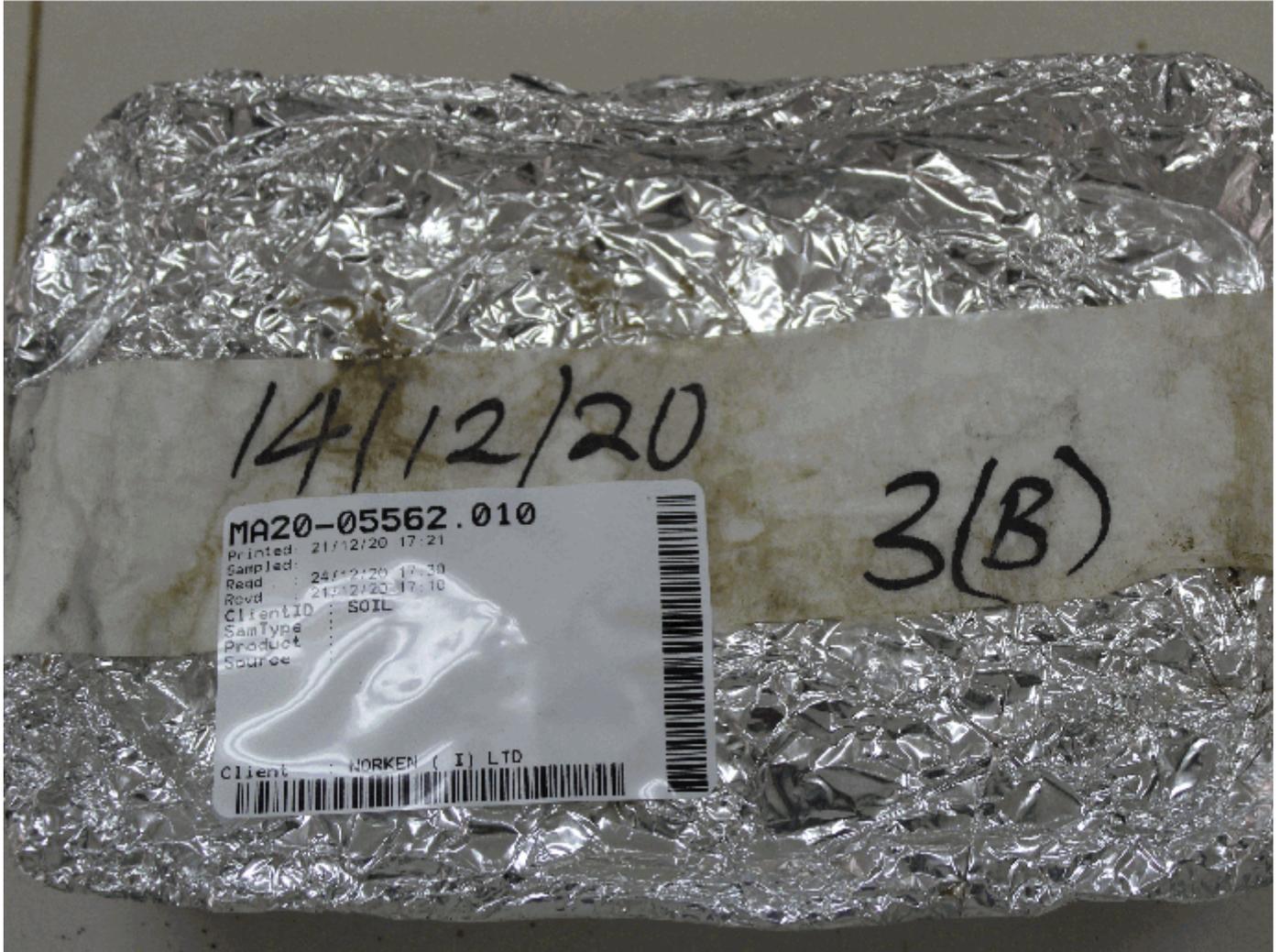
241220201053 0000125261

Page 7 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201053 0000125261

Page 8 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05562.011

PRODUCT DESCRIPTION: SOIL

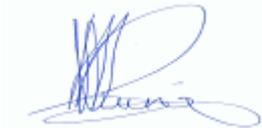
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 14/12/20 b3(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

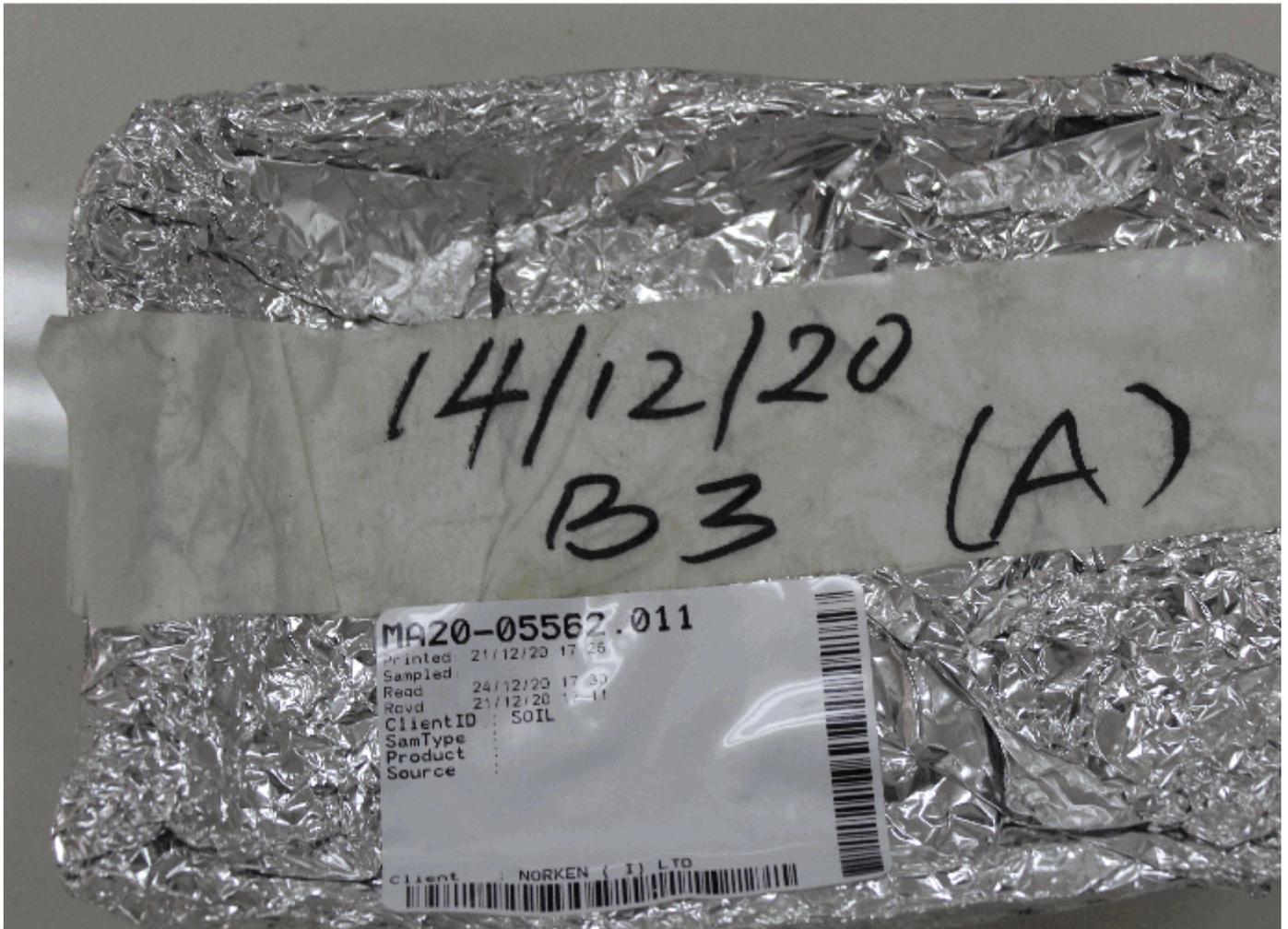
241220201053 0000125261

Page 9 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201053 0000125261

Page 10 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

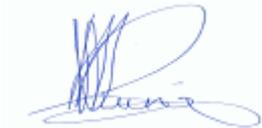
Analysis Report MA20-05562.012

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 14/12/20 b3(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Florah Mshimba-Chemist

Technical Signatory



Joseph Ochieng-Chemist

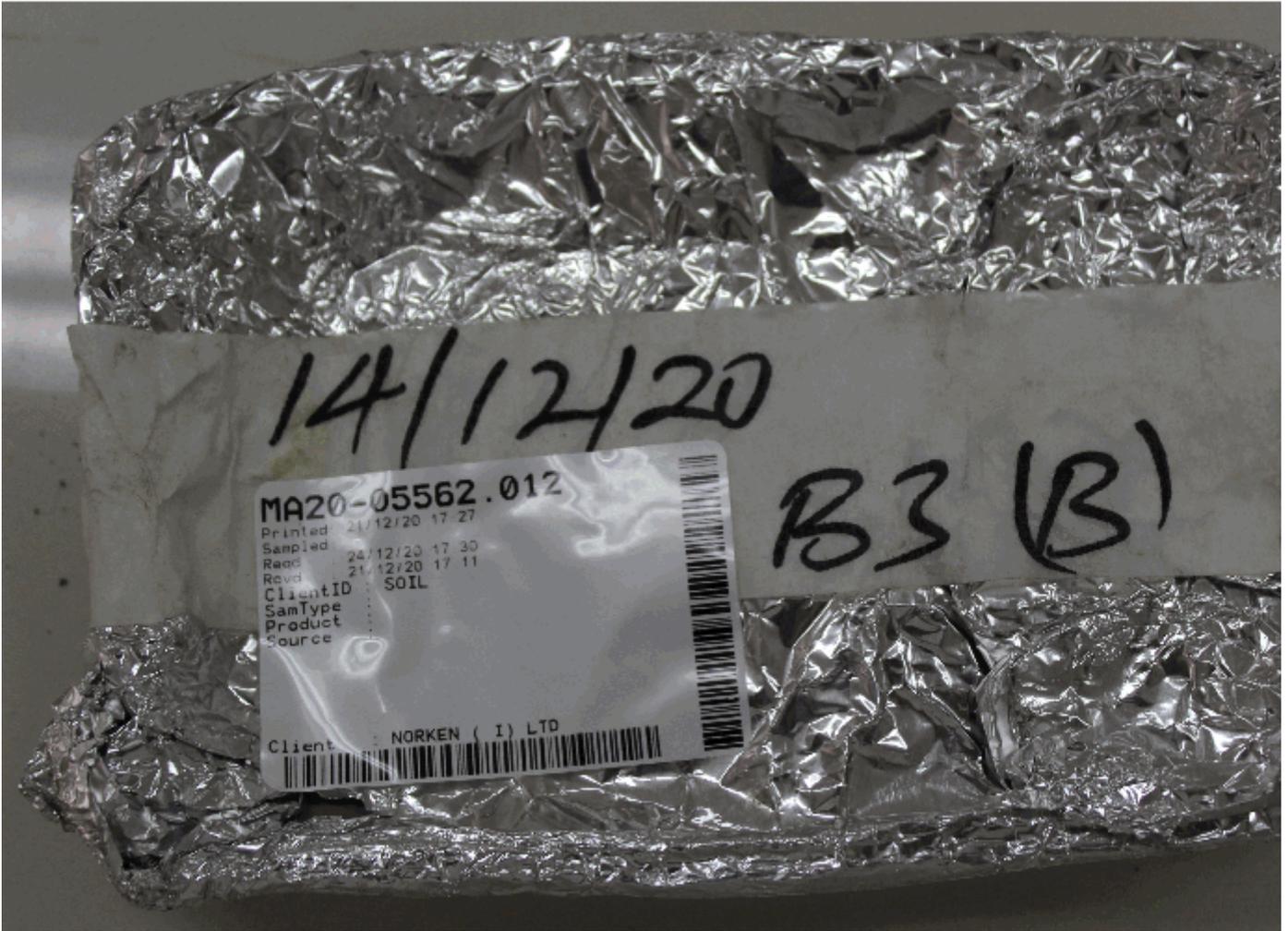
241220201053 0000125261

Page 11 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.012

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201053 0000125261

Page 12 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.001

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 12/12/20 15(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

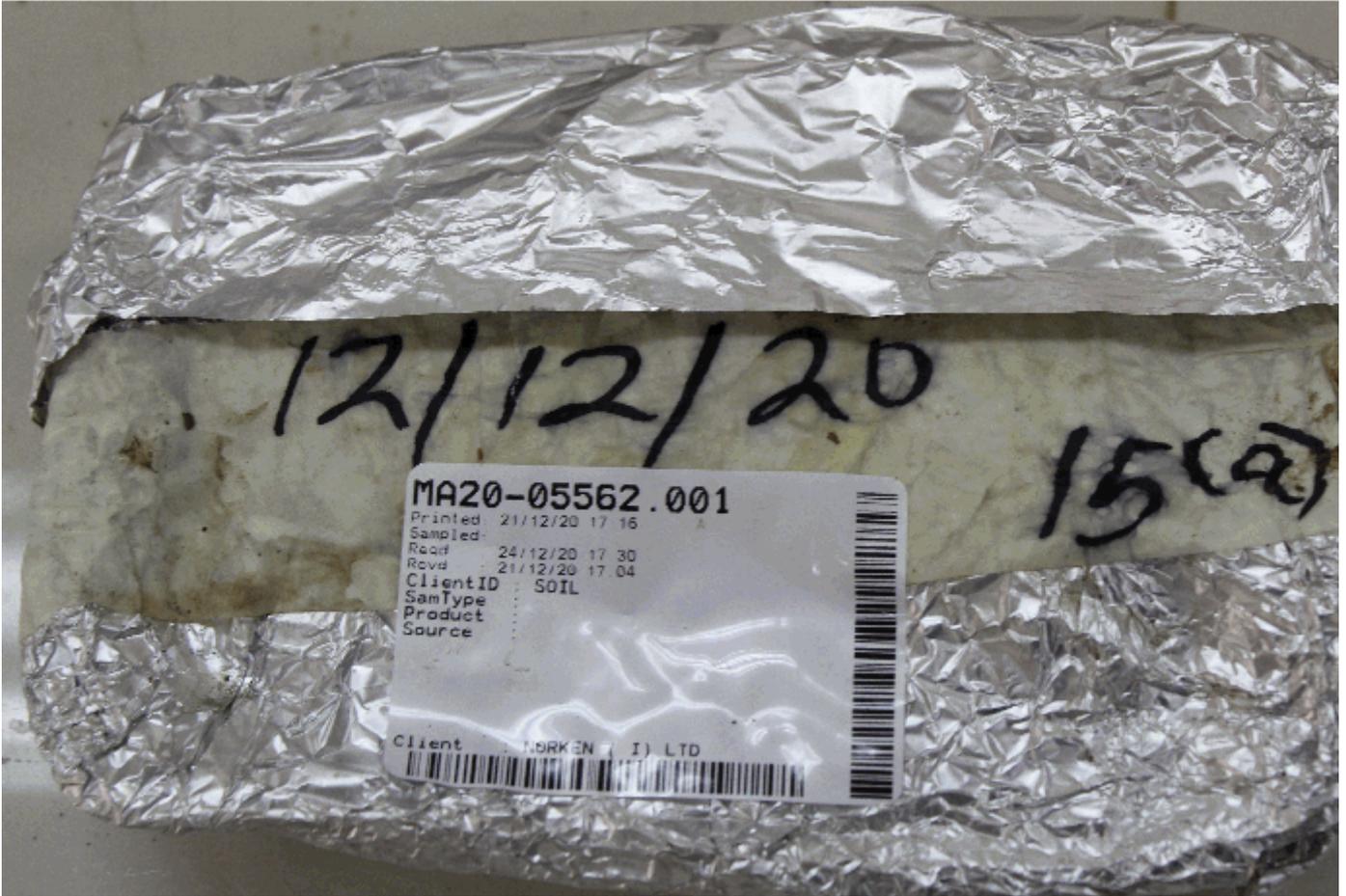
241220201003 0000125240

Page 1 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201011 0000125240

Page 2 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

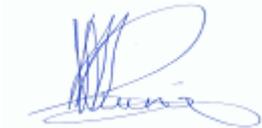
Analysis Report MA20-05562.002

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 12/12/20 15(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Florah Mshimba-Chemist

Technical Signatory



Joseph Ochieng-Chemist

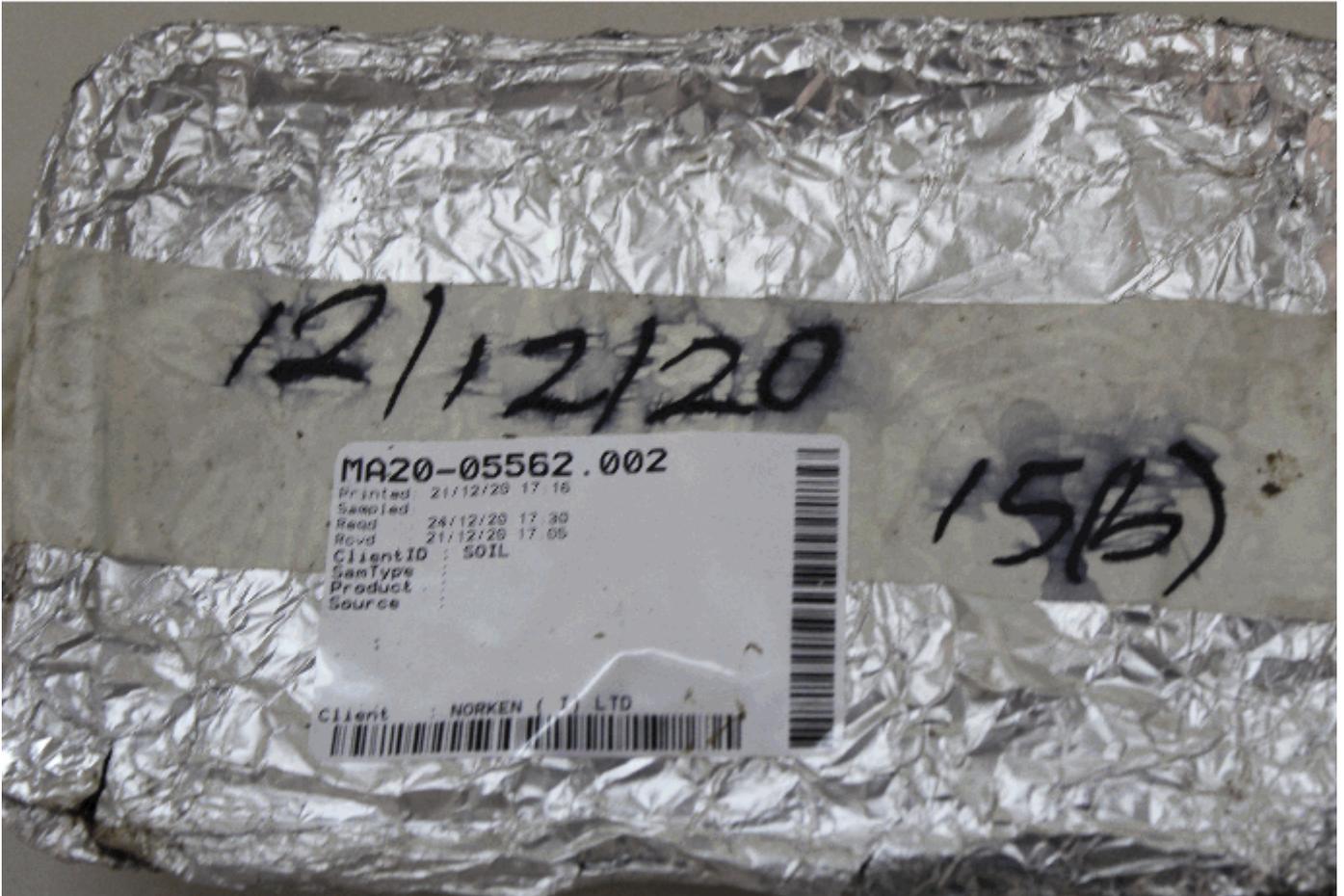
241220201011 0000125240

Page 3 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.002

Authorised Signatory

Technical Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Florah Mshimba-Chemist

Joseph Ochieng-Chemist

241220201011 0000125240

Page 4 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.003

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 22/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
 12/12/20 10(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

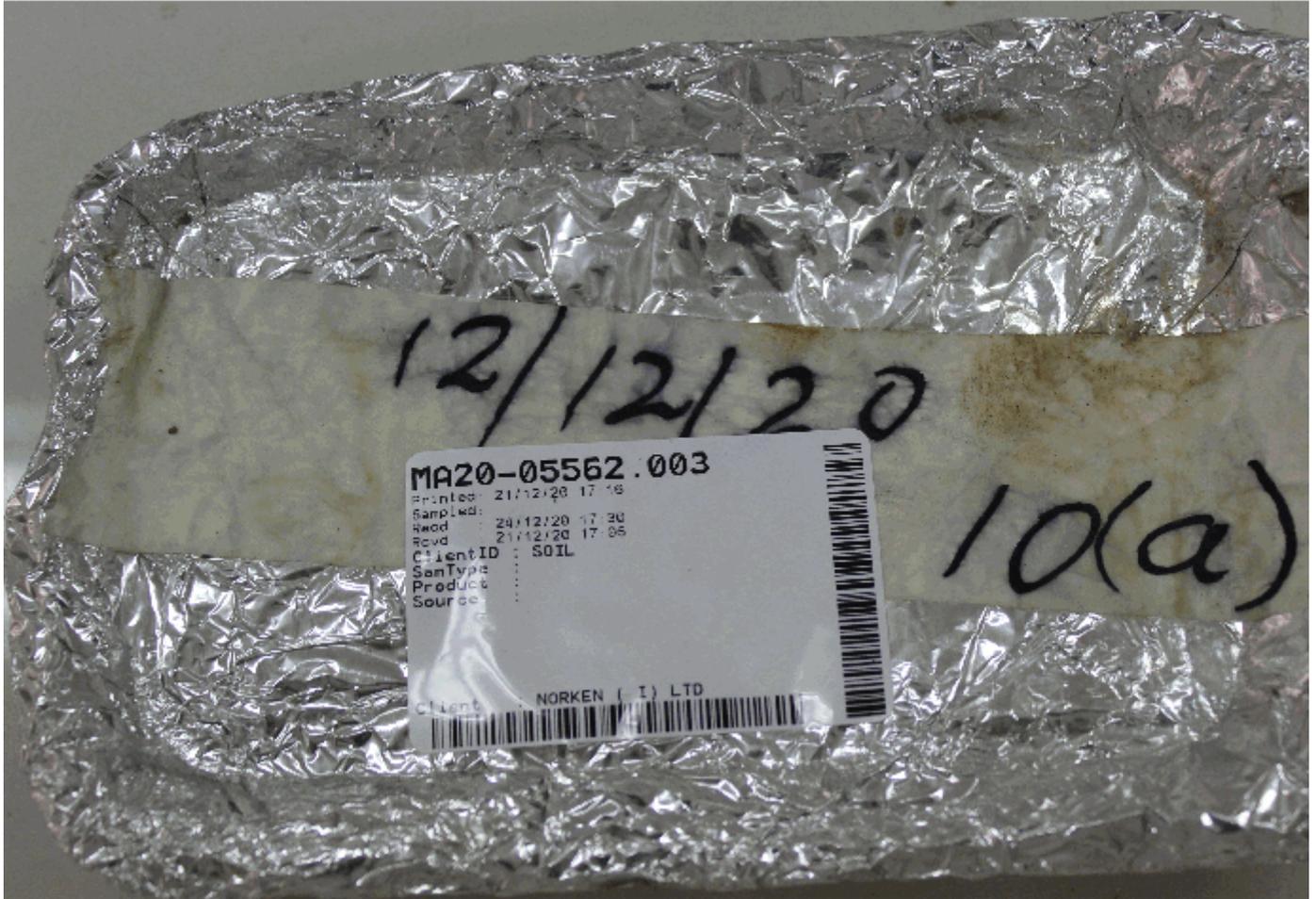
241220201011 0000125240

Page 5 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201011 0000125240

Page 6 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.004

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 23/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
12/12/20 10(b)

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

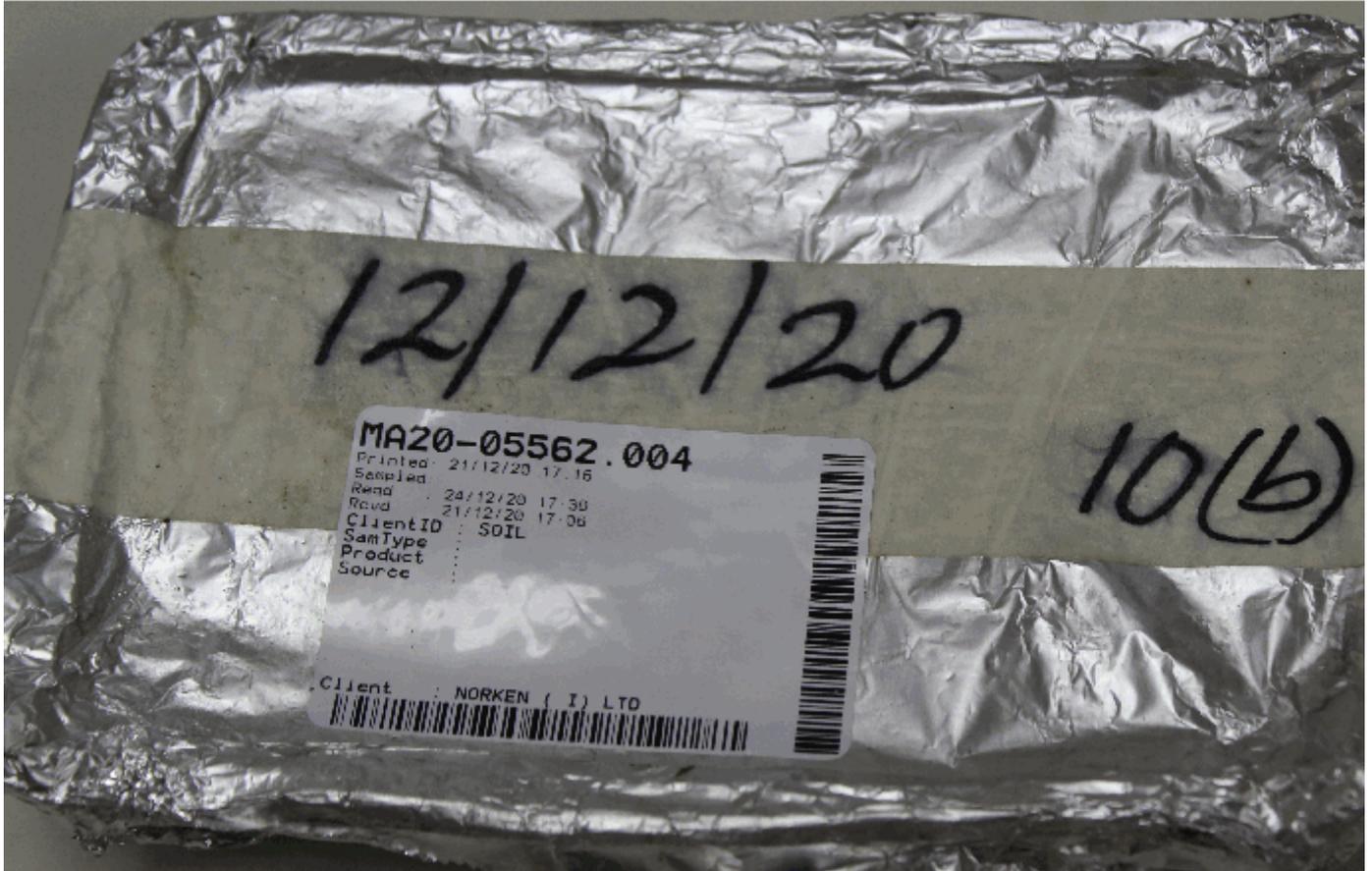
241220201011 0000125240

Page 7 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.004

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201011 0000125240

Page 8 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.005

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 23/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
13/12/20 5(a)

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory

Technical Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Florah Mshimba-Chemist



Joseph Ochieng-Chemist

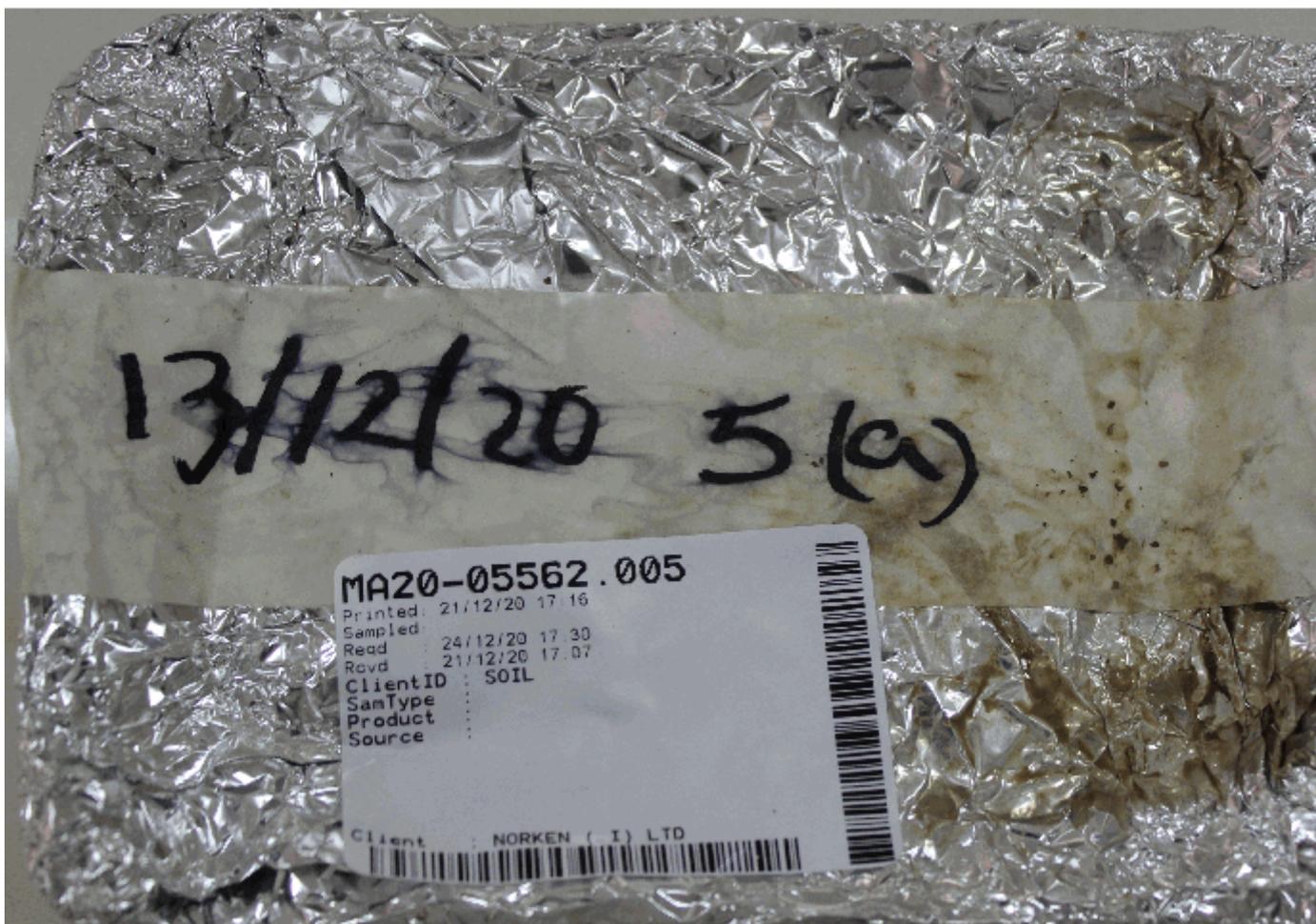
241220201011 0000125240

Page 9 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201011 0000125240

Page 10 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05562.006

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 21/12/2020

ANALYSIS STARTED: 22/12/2020

ANALYSIS COMPLETED: 23/12/2020

SGS ORDERNO: 5200654

MARKS: CONDITION: SAMPLE DELIVERED IN AN ALUMINIUM FOIL CONTAINER
13/12/20 5(b)

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg
Oil and Greases	SGS TW 6	<0.10	mg/kg

Authorised Signatory



Anselm Riungu - Technical Manager

Technical Signatory



Florah Mshimba-Chemist

Technical Signatory



Joseph Ochieng-Chemist

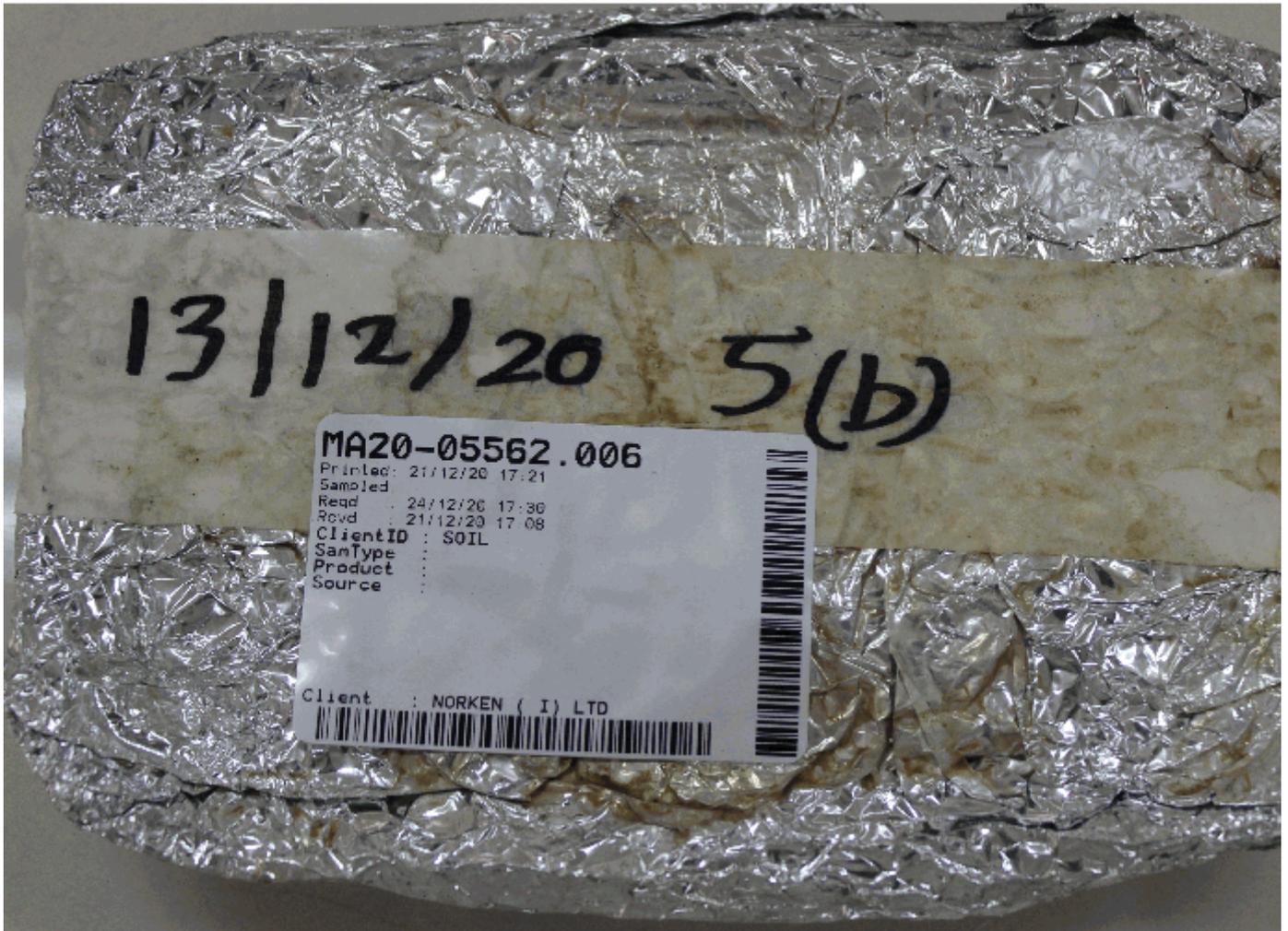
241220201011 0000125240

Page 11 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05562.006

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Florah Mshimba-Chemist

Technical Signatory

Joseph Ochieng-Chemist

241220201011 0000125240

Page 12 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02015.001

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 17/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8U
 8

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist

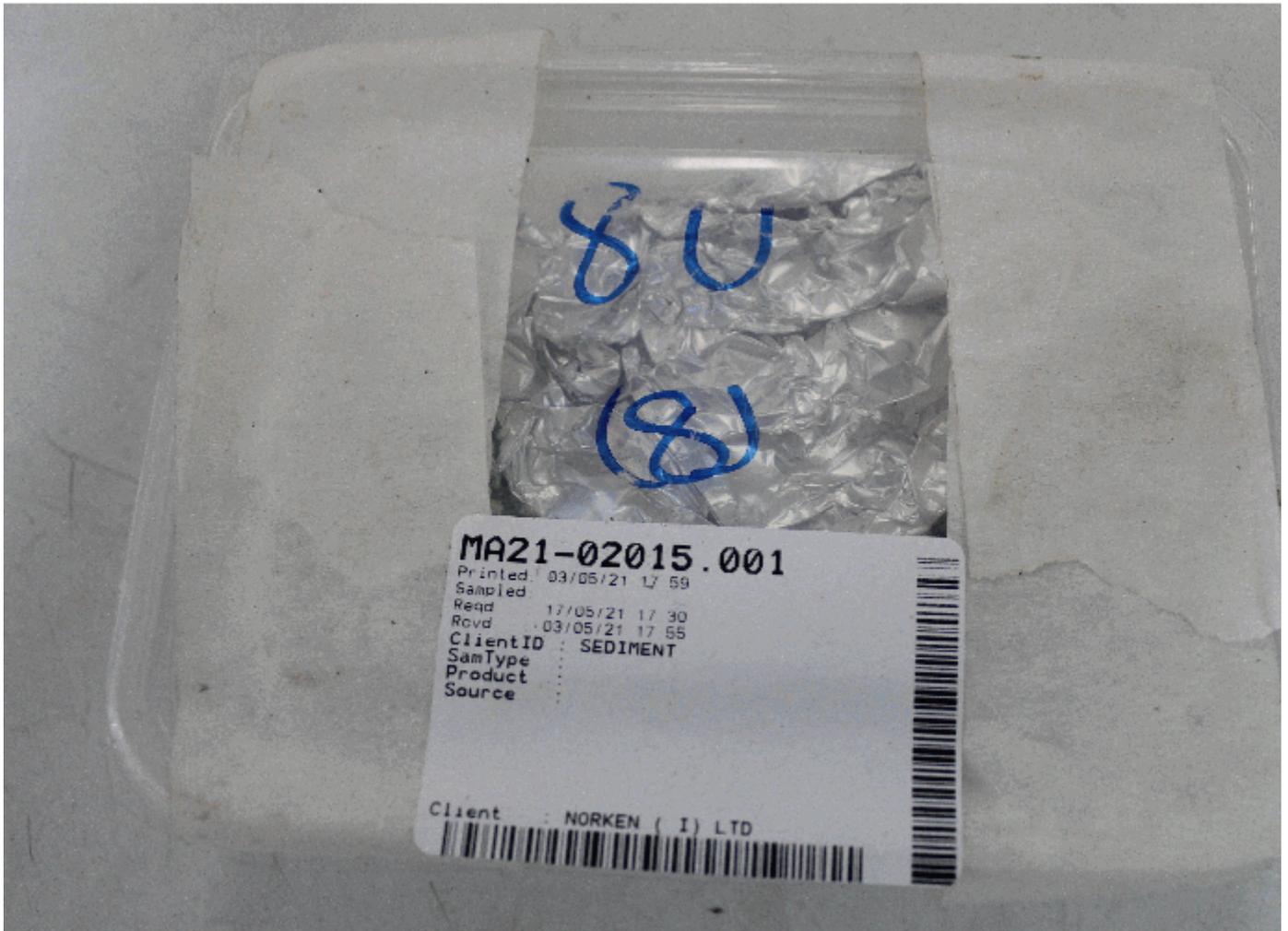
170520211504 0000128911

Page 1 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02015.001

Authorised Signatory

Anselm Riungu - Technical Manager

170520211504 0000128911

Technical Signatory

Joseph Ochieng-Chemist

Page 2 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02015.002

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 17/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8D
 8

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist

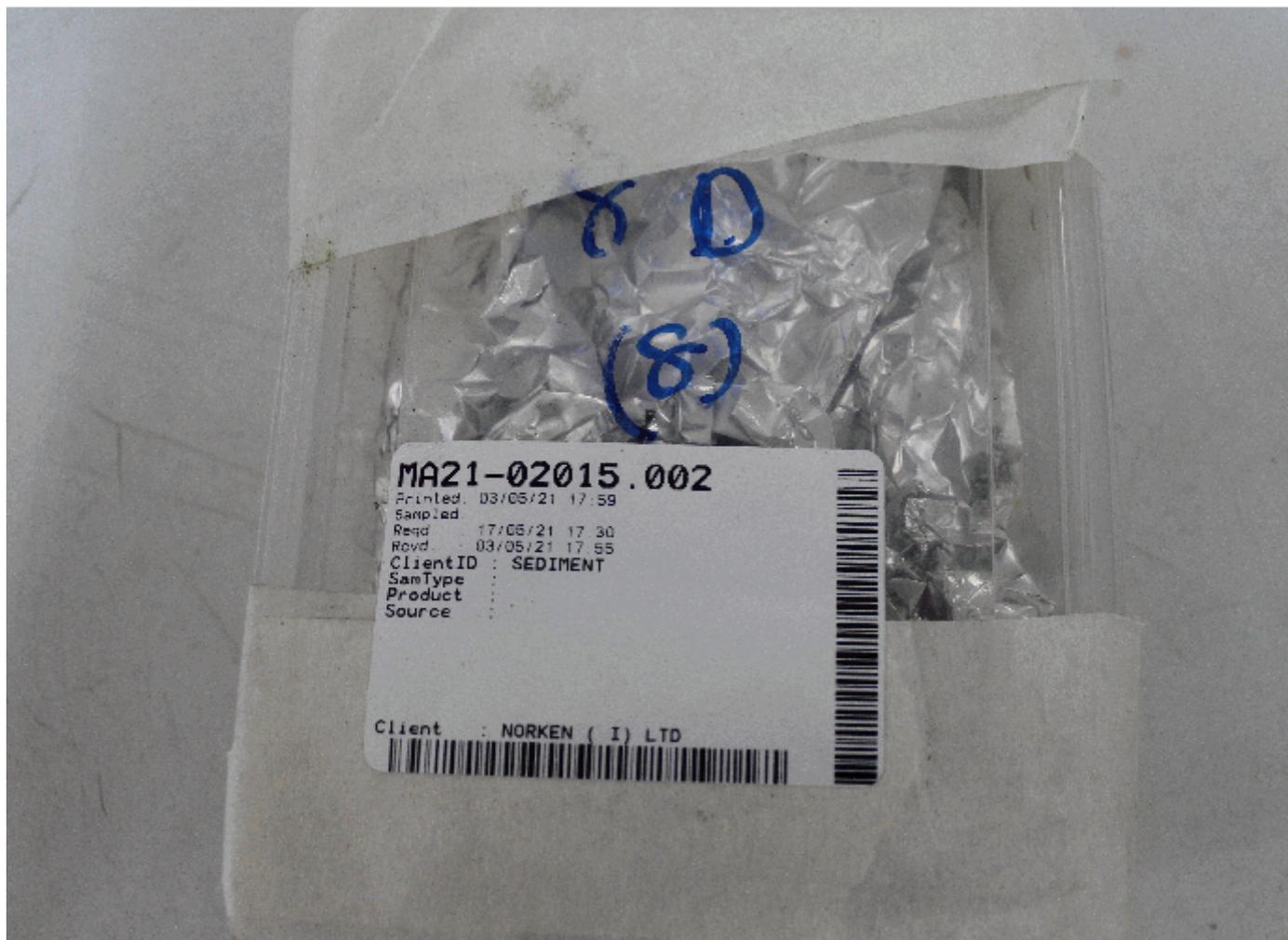
170520211504 0000128911

Page 3 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02015.002

Authorised Signatory

Anselm Riungu - Technical Manager

170520211504 0000128911

Technical Signatory

Joseph Ochieng-Chemist

Page 4 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02015.003

PRODUCT DESCRIPTION: SEDIMENT

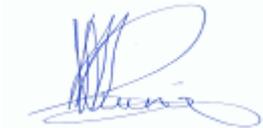
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 17/05/2021
 ANALYSIS COMPLETED: 17/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 12U
 8

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist

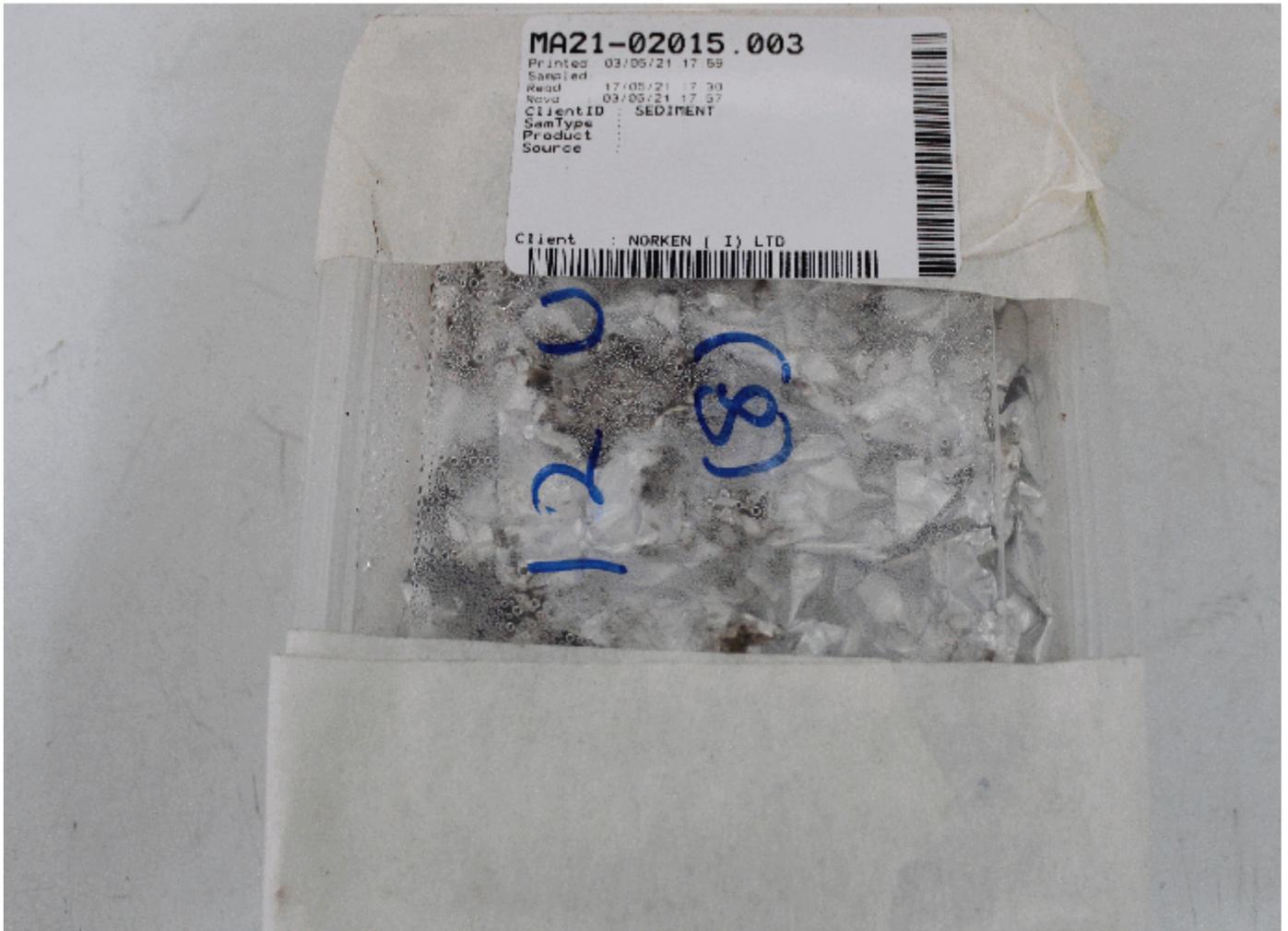
170520211504 0000128911

Page 5 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02015.003

Authorised Signatory

Anselm Riungu - Technical Manager

170520211504 0000128911

Technical Signatory

Joseph Ochieng-Chemist

Page 6 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02015.004

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 17/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
12D
8

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist

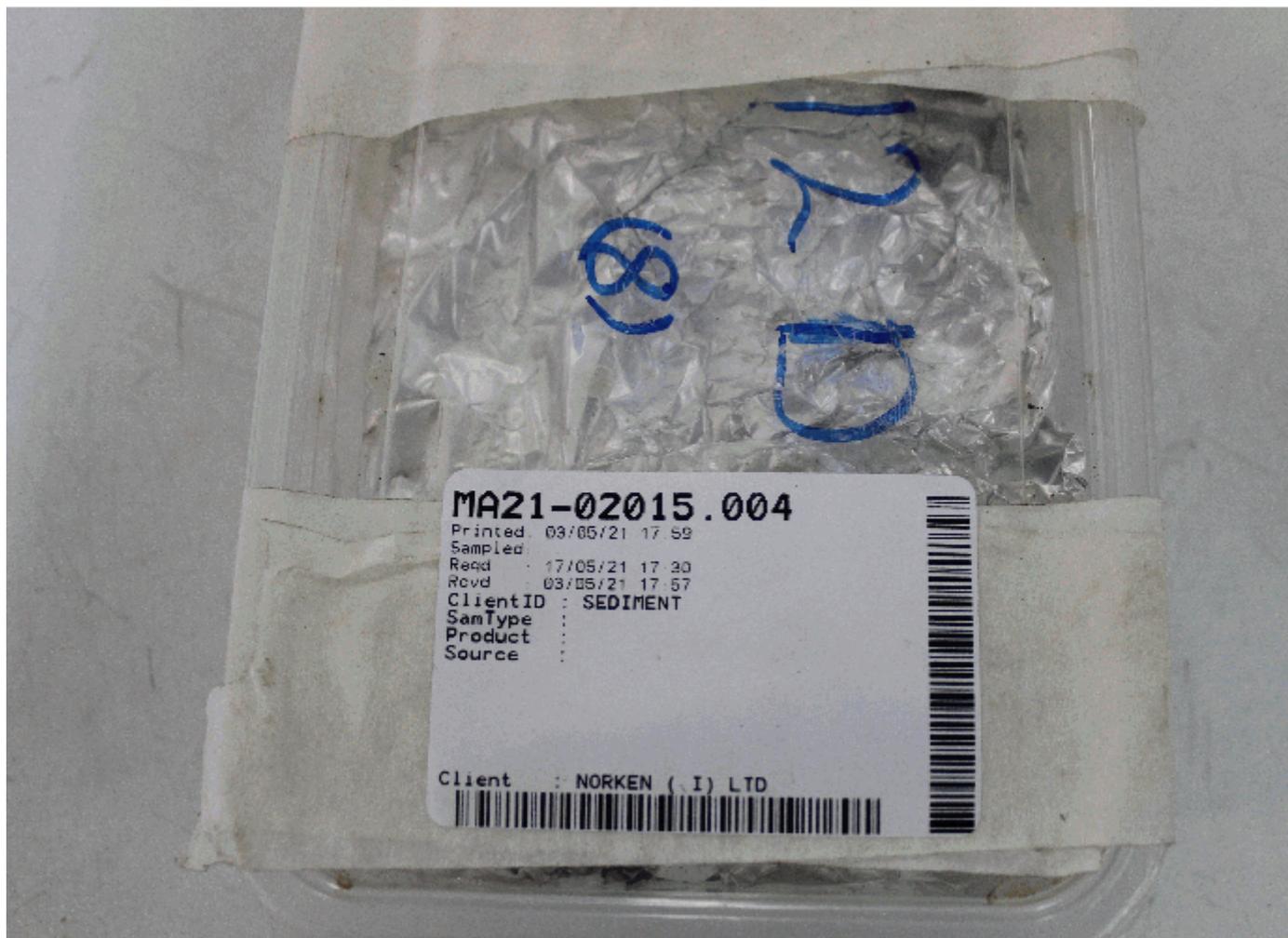
170520211504 0000128911

Page 7 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02015.004

Authorised Signatory

Anselm Riungu - Technical Manager

170520211504 0000128911

Technical Signatory

Joseph Ochieng-Chemist

Page 8 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02015.005

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 17/05/2021

ANALYSIS COMPLETED: 17/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1U
8

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist

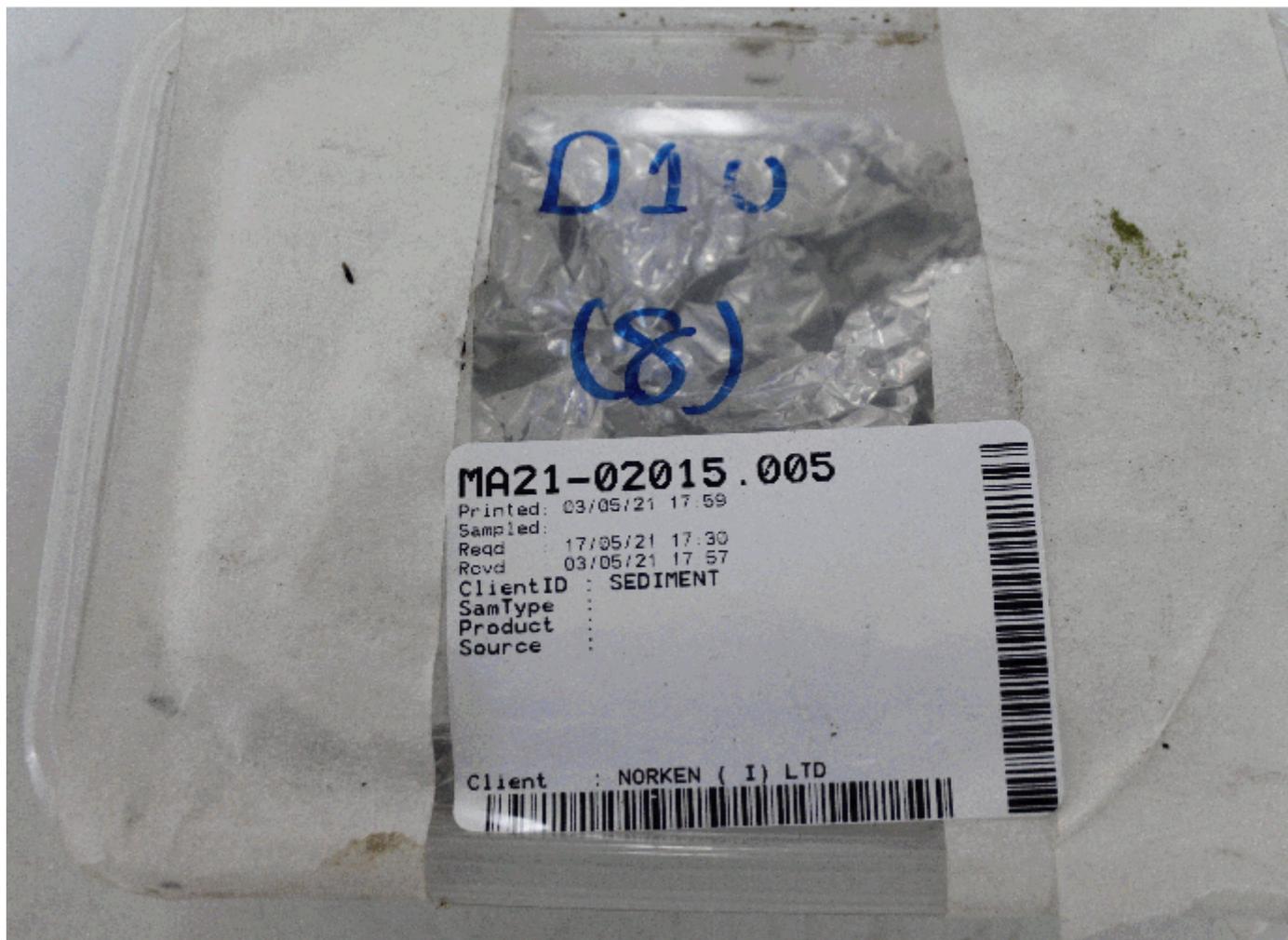
170520211504 0000128911

Page 9 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02015.005

Authorised Signatory

Anselm Riungu - Technical Manager

170520211504 0000128911

Technical Signatory

Joseph Ochieng-Chemist

Page 10 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 17/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02015.006

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT
SAMPLE RECEIVED: 03/05/2021
ANALYSIS STARTED: 17/05/2021
ANALYSIS COMPLETED: 17/05/2021
SGS ORDERNO: 5000370
MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
D1D
8

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Polycyclic Aromatic Hydrocarbons	EPA 8270D		
Acenaphthene		<0.1	mg/kg
Acenaphthylene		<0.1	mg/kg
Anthracene		<0.1	mg/kg
Benzo(a)anthracene		<0.1	mg/kg
Benzo(a)pyrene		<0.1	mg/kg
Benzo(b)fluoranthene		<0.1	mg/kg
Benzo(g,h,i)perylene		<0.1	mg/kg
Benzo(k)fluoranthene		<0.1	mg/kg
Chrysene		<0.1	mg/kg
Dibenz(a,h)anthracene		<0.1	mg/kg
Fluoranthene		<0.1	mg/kg
Fluorene		<0.1	mg/kg
Indeno(1,2,3-cd)pyrene		<0.1	mg/kg
Naphthalene		<0.1	mg/kg
Phenanthrene		<0.1	mg/kg
Pyrene		<0.1	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Joseph Ochieng-Chemist

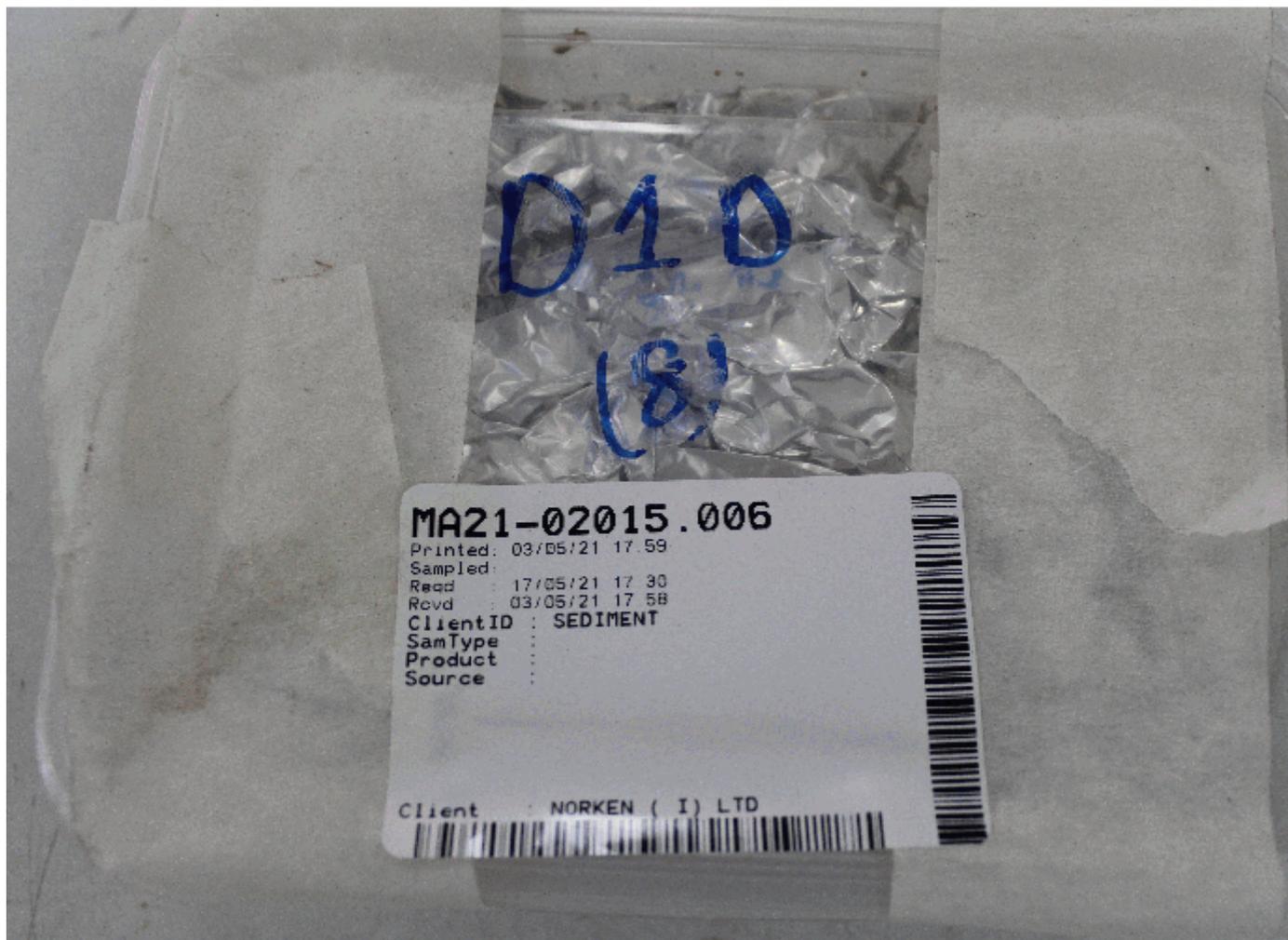
170520211504 0000128911

Page 11 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02015.006

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

170520211504 0000128911

Technical Signatory

Joseph Ochieng-Chemist

Page 12 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.005

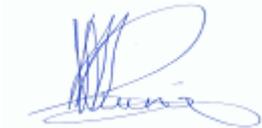
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 13/12/20
 5(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.25	mg/kg
Copper as Cu	EPA 3050B	3.66	mg/kg
Nickel as Ni	EPA 3050B	5.09	mg/kg
Chromium as Cr	EPA 3050B	5.65	mg/kg
Iron as Fe	EPA 3050B	0.14	%
Cobalt as Co	EPA 3050B	3.46	mg/kg
Lead as Pb	EPA 3050B	10.44	mg/kg
Zinc as Zn	EPA 3050B	87.79	mg/kg
Aluminium as Al	EPA 3050B	0.22	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

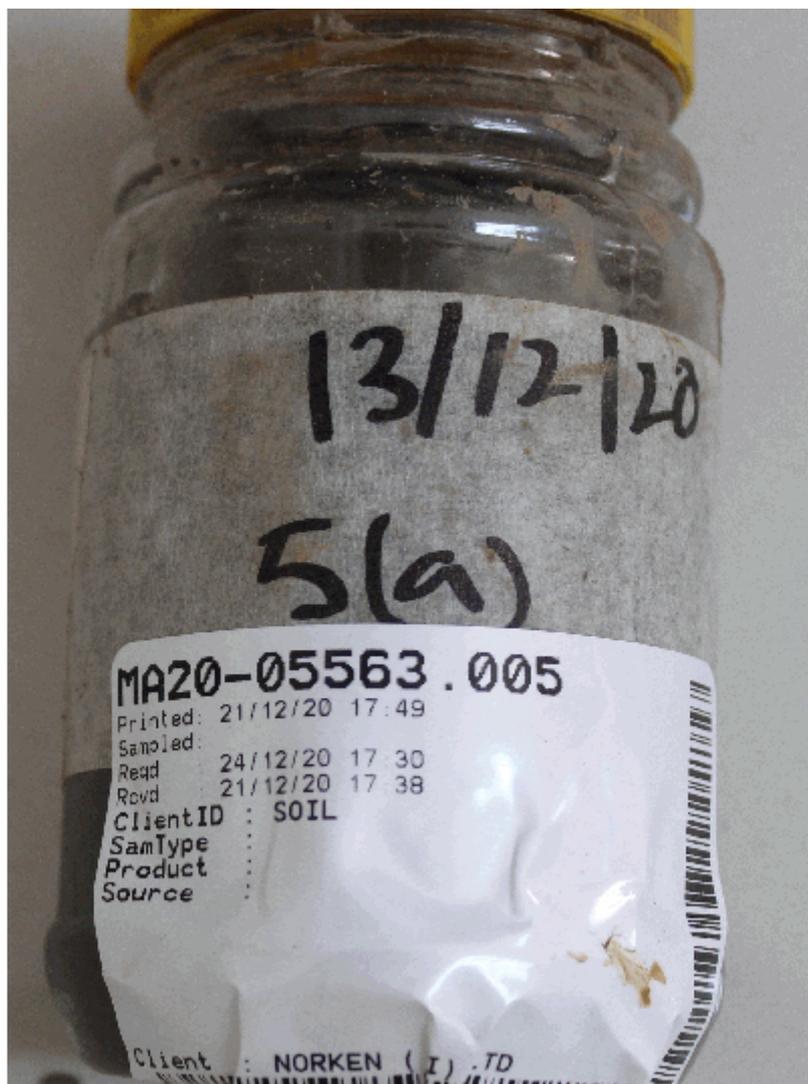
241220201238 0000125277

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-005

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201240 0000125277

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.006

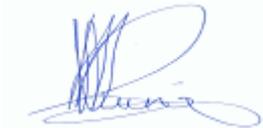
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 13/12/20
 5(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.29	mg/kg
Copper as Cu	EPA 3050B	4.46	mg/kg
Nickel as Ni	EPA 3050B	7.16	mg/kg
Chromium as Cr	EPA 3050B	7.06	mg/kg
Iron as Fe	EPA 3050B	4.04	%
Cobalt as Co	EPA 3050B	5.36	mg/kg
Lead as Pb	EPA 3050B	18.08	mg/kg
Zinc as Zn	EPA 3050B	136.14	mg/kg
Aluminium as Al	EPA 3050B	2.58	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

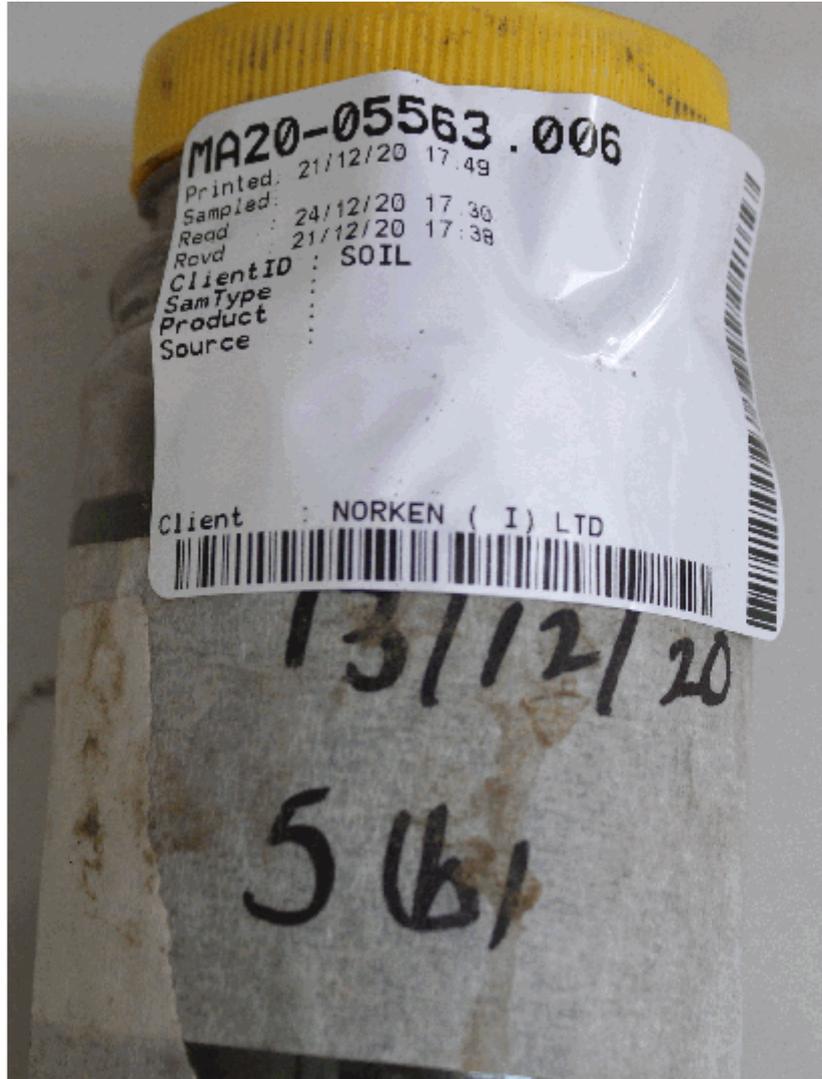
241220201240 0000125277

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-006

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201240 0000125277

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.007

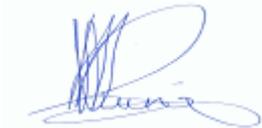
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 13/12/20
 B+ (a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.30	mg/kg
Copper as Cu	EPA 3050B	9.18	mg/kg
Nickel as Ni	EPA 3050B	12.89	mg/kg
Chromium as Cr	EPA 3050B	16.54	mg/kg
Iron as Fe	EPA 3050B	5.24	%
Cobalt as Co	EPA 3050B	12.35	mg/kg
Lead as Pb	EPA 3050B	13.88	mg/kg
Zinc as Zn	EPA 3050B	123.62	mg/kg
Aluminium as Al	EPA 3050B	3.20	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager

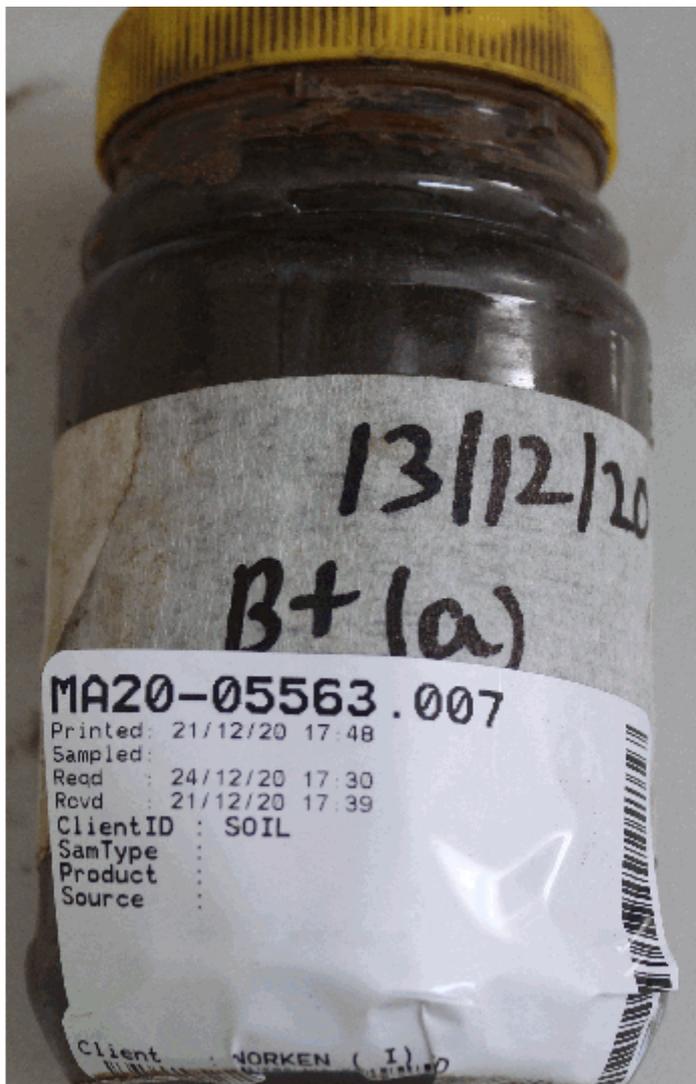


Stephen Musyoka-Chemist

241220201240 0000125277

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable). This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-007

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201240 0000125277

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.008

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 13/12/20
 B+ (b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.21	mg/kg
Copper as Cu	EPA 3050B	11.30	mg/kg
Nickel as Ni	EPA 3050B	17.82	mg/kg
Chromium as Cr	EPA 3050B	24.04	mg/kg
Iron as Fe	EPA 3050B	7.51	%
Cobalt as Co	EPA 3050B	20.06	mg/kg
Lead as Pb	EPA 3050B	18.36	mg/kg
Zinc as Zn	EPA 3050B	166.74	mg/kg
Aluminium as Al	EPA 3050B	4.03	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

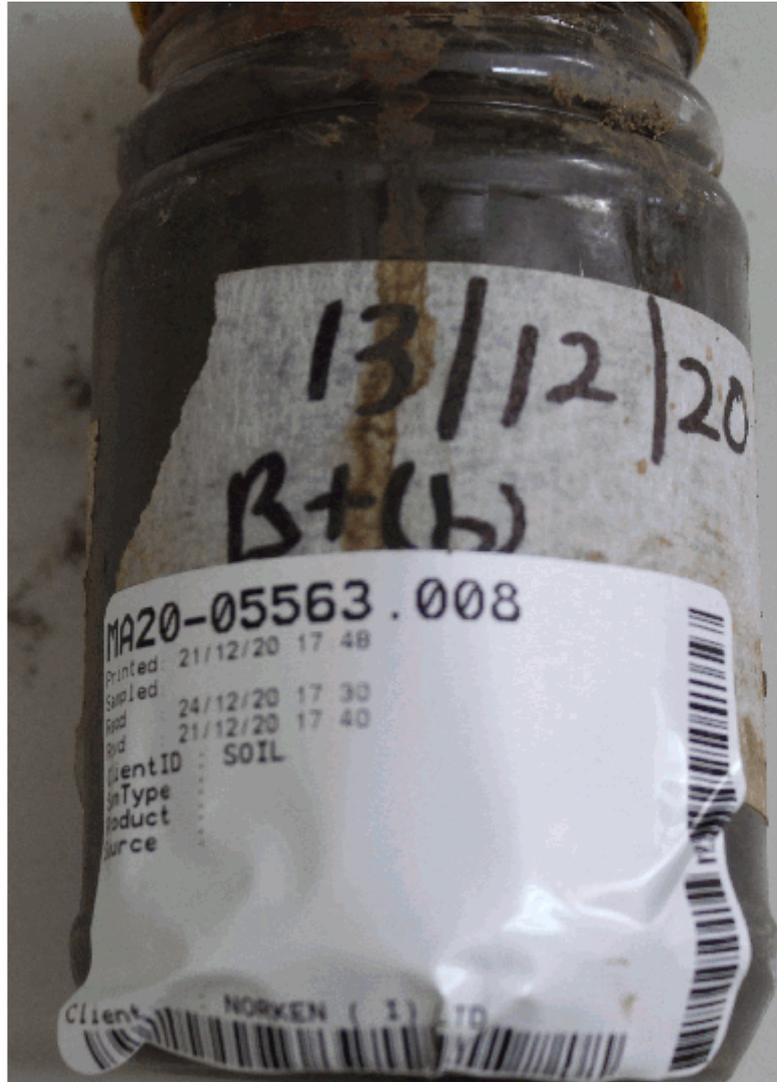
241220201240 0000125277

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-008

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201240 0000125277

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.009

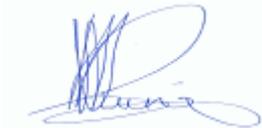
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 14/12/20
 3(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.35	mg/kg
Copper as Cu	EPA 3050B	7.91	mg/kg
Nickel as Ni	EPA 3050B	8.01	mg/kg
Chromium as Cr	EPA 3050B	7.09	mg/kg
Iron as Fe	EPA 3050B	3.15	%
Cobalt as Co	EPA 3050B	6.58	mg/kg
Lead as Pb	EPA 3050B	10.76	mg/kg
Zinc as Zn	EPA 3050B	133.11	mg/kg
Aluminium as Al	EPA 3050B	2.44	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

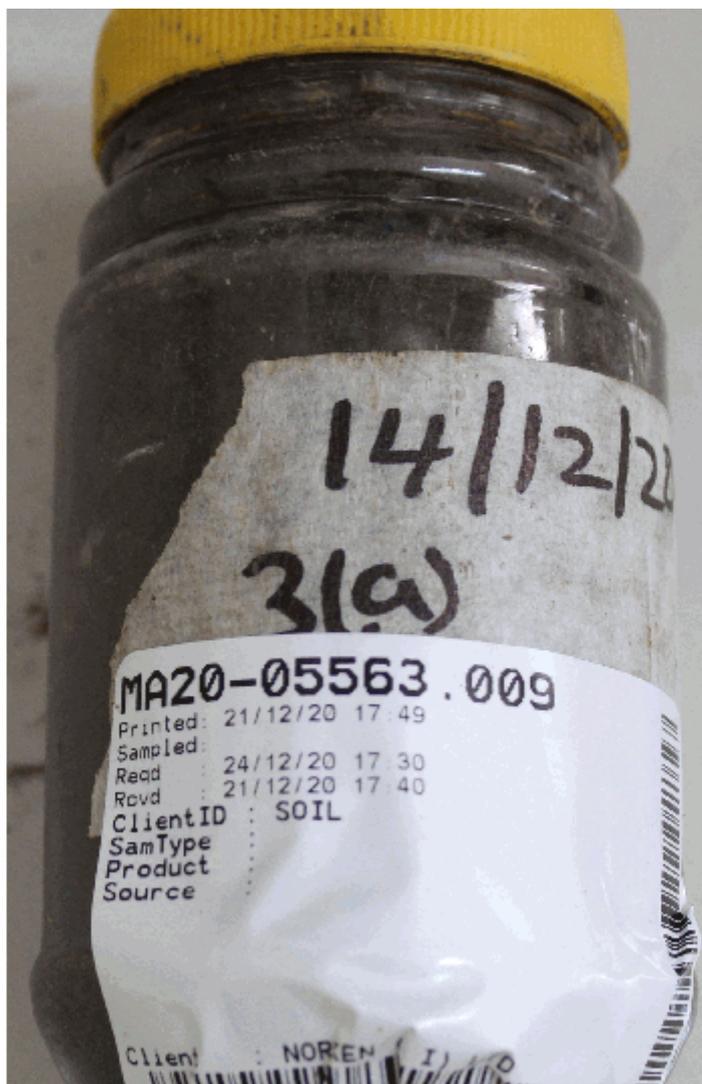
241220201241 0000125278

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-009

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201242 0000125278

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.010

PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 14/12/20
 3(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.36	mg/kg
Copper as Cu	EPA 3050B	5.67	mg/kg
Nickel as Ni	EPA 3050B	6.92	mg/kg
Chromium as Cr	EPA 3050B	4.91	mg/kg
Iron as Fe	EPA 3050B	0.62	%
Cobalt as Co	EPA 3050B	4.52	mg/kg
Lead as Pb	EPA 3050B	10.04	mg/kg
Zinc as Zn	EPA 3050B	117.54	mg/kg
Aluminium as Al	EPA 3050B	0.86	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

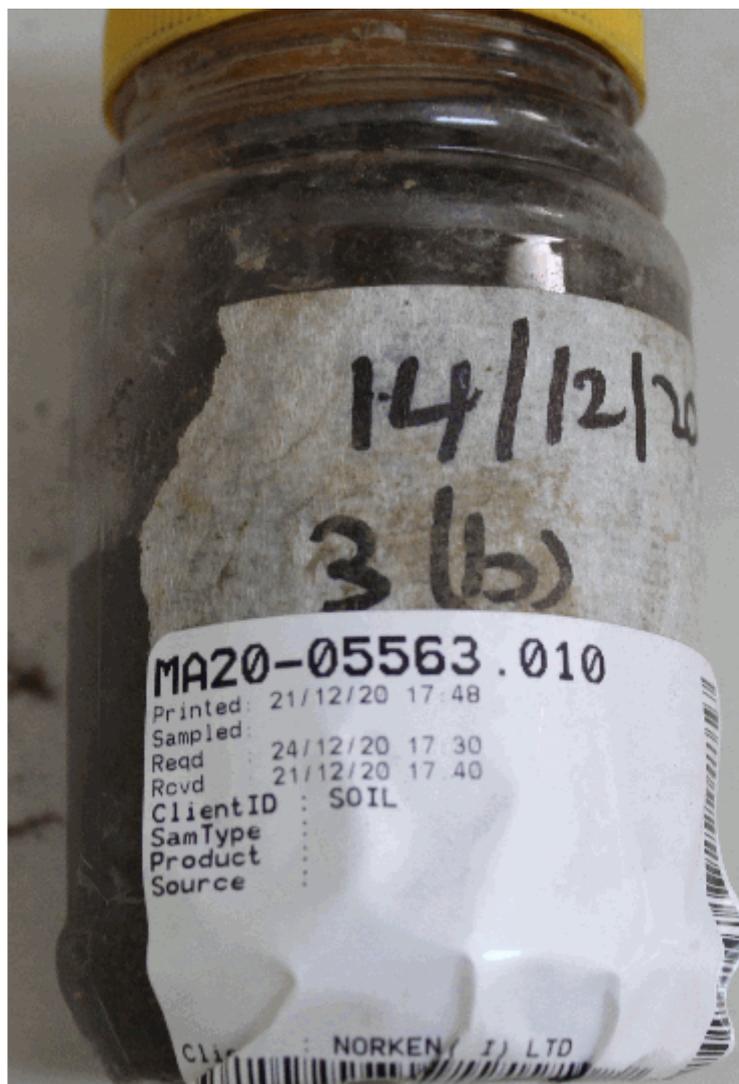
241220201242 0000125278

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-010

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201242 0000125278

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA20-05563.011

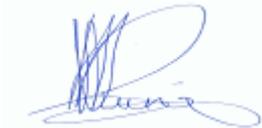
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
DATE SAMPLED: 16/12/2020
SAMPLING LOCATION: NAIROBI
SAMPLE RECEIVED: 21/12/2020
ANALYSIS STARTED: 23/12/2020
ANALYSIS COMPLETED: 23/12/2020
SGS ORDERNO: 5200654
MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
14/12/20
B 3 (a)
REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.30	mg/kg
Copper as Cu	EPA 3050B	4.75	mg/kg
Nickel as Ni	EPA 3050B	1.44	mg/kg
Chromium as Cr	EPA 3050B	1.93	mg/kg
Iron as Fe	EPA 3050B	0.63	%
Cobalt as Co	EPA 3050B	2.30	mg/kg
Lead as Pb	EPA 3050B	11.33	mg/kg
Zinc as Zn	EPA 3050B	116.76	mg/kg
Aluminium as Al	EPA 3050B	0.89	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

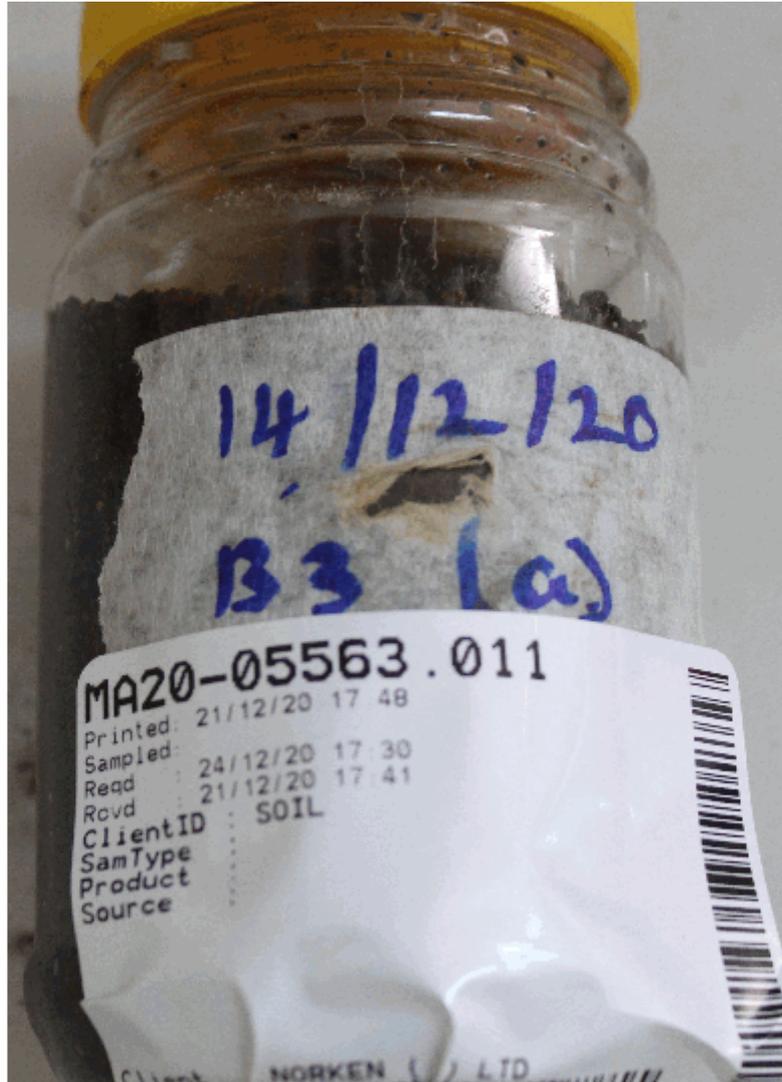
241220201242 0000125278

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-011

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201242 0000125278

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.012

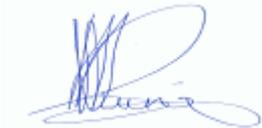
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 B 3 (b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.24	mg/kg
Copper as Cu	EPA 3050B	0.39	mg/kg
Nickel as Ni	EPA 3050B	0.59	mg/kg
Chromium as Cr	EPA 3050B	3.06	mg/kg
Iron as Fe	EPA 3050B	0.65	%
Cobalt as Co	EPA 3050B	2.13	mg/kg
Lead as Pb	EPA 3050B	10.86	mg/kg
Zinc as Zn	EPA 3050B	111.44	mg/kg
Aluminium as Al	EPA 3050B	0.91	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

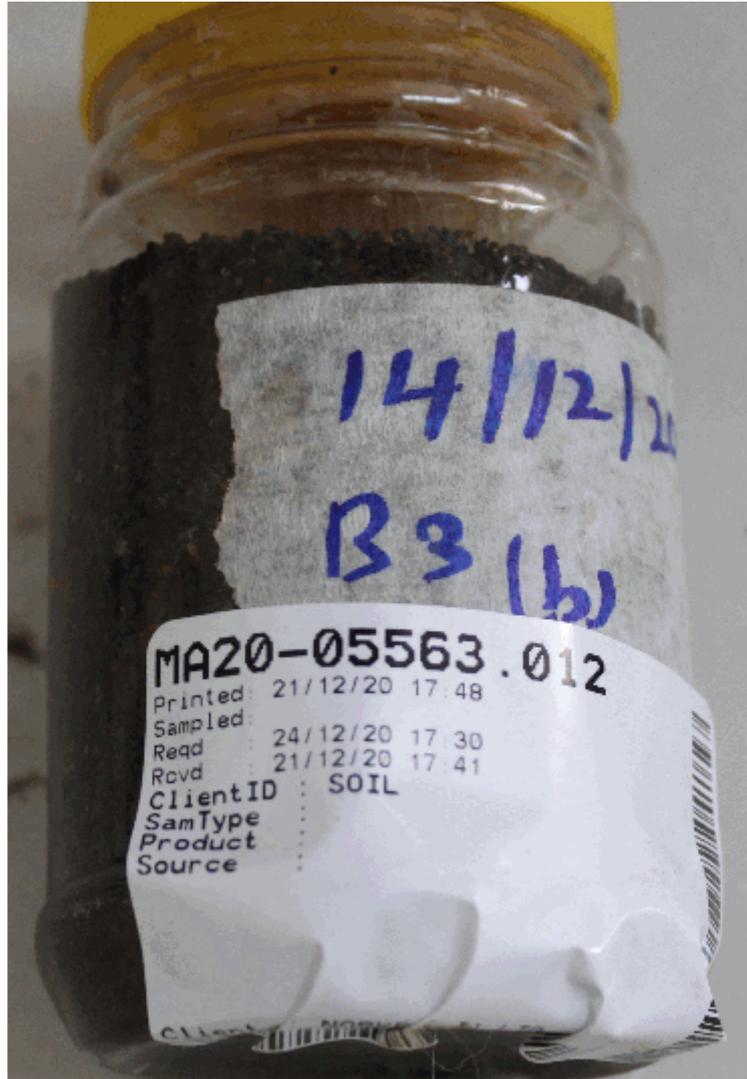
241220201242 0000125278

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-012

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201242 0000125278

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.001

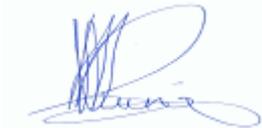
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 12/12/20
 15(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.14	mg/kg
Copper as Cu	EPA 3050B	3.38	mg/kg
Nickel as Ni	EPA 3050B	3.44	mg/kg
Chromium as Cr	EPA 3050B	4.39	mg/kg
Iron as Fe	EPA 3050B	0.16	%
Cobalt as Co	EPA 3050B	2.77	mg/kg
Lead as Pb	EPA 3050B	8.19	mg/kg
Zinc as Zn	EPA 3050B	67.21	mg/kg
Aluminium as Al	EPA 3050B	0.24	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

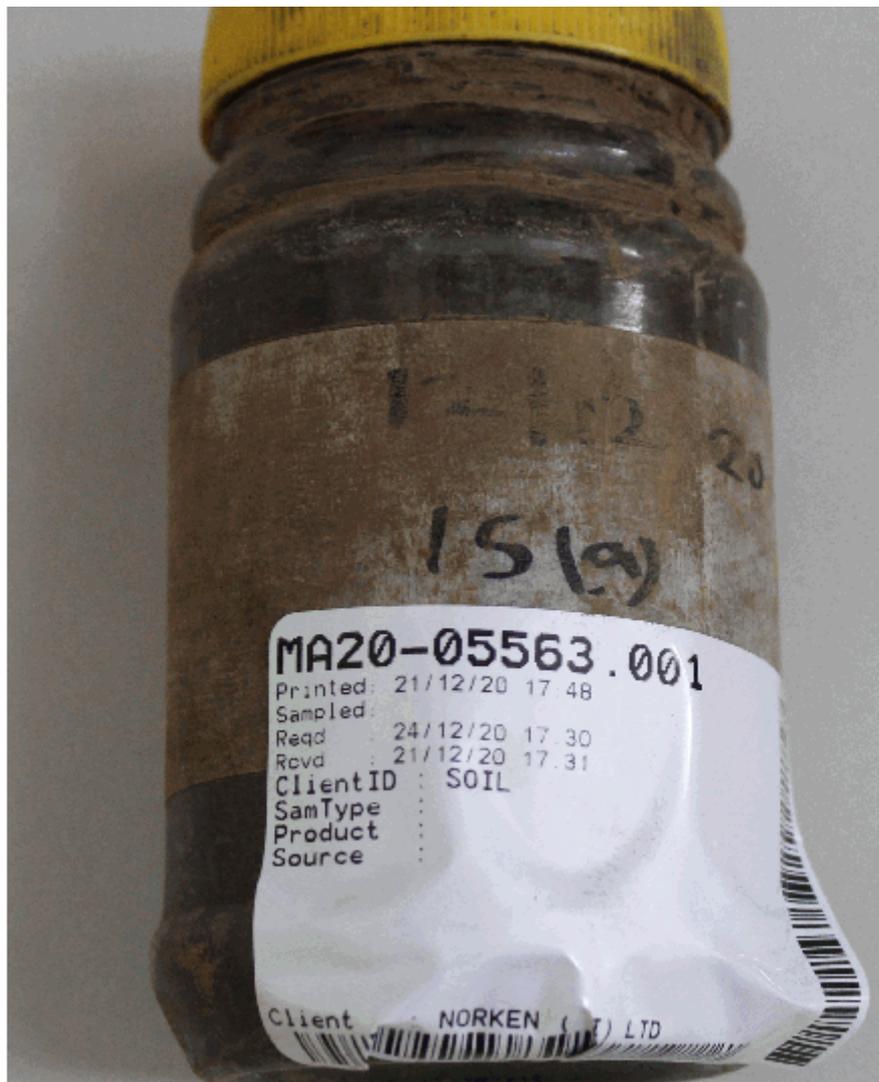
241220201236 0000125276

Page 1 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-001

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201237 0000125276

Page 2 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.002

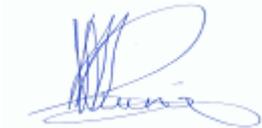
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 12/12/20
 15(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.15	mg/kg
Copper as Cu	EPA 3050B	4.94	mg/kg
Nickel as Ni	EPA 3050B	5.55	mg/kg
Chromium as Cr	EPA 3050B	5.57	mg/kg
Iron as Fe	EPA 3050B	0.02	%
Cobalt as Co	EPA 3050B	3.68	mg/kg
Lead as Pb	EPA 3050B	10.36	mg/kg
Zinc as Zn	EPA 3050B	90.17	mg/kg
Aluminium as Al	EPA 3050B	0.05	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

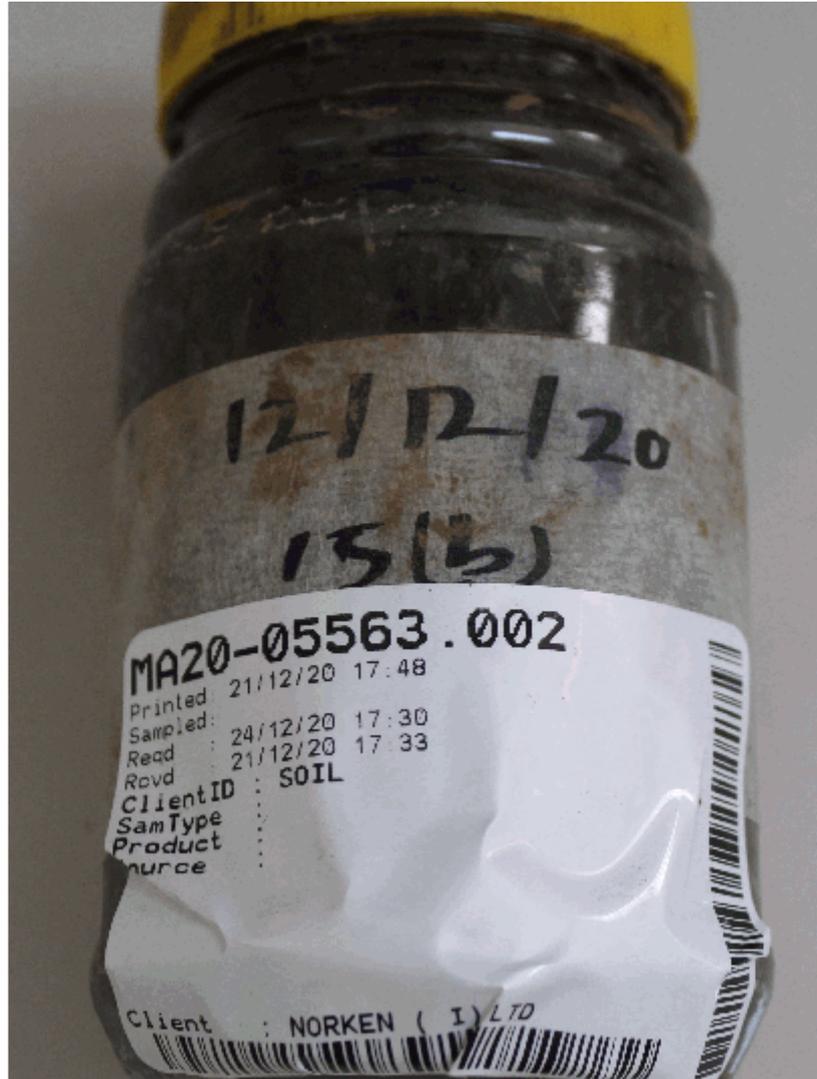
241220201237 0000125276

Page 3 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201237 0000125276

Page 4 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.003

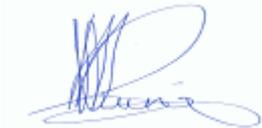
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 12/12/20
 10(a)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.53	mg/kg
Copper as Cu	EPA 3050B	1.37	mg/kg
Nickel as Ni	EPA 3050B	5.16	mg/kg
Chromium as Cr	EPA 3050B	5.79	mg/kg
Iron as Fe	EPA 3050B	0.03	%
Cobalt as Co	EPA 3050B	6.23	mg/kg
Lead as Pb	EPA 3050B	21.05	mg/kg
Zinc as Zn	EPA 3050B	133.90	mg/kg
Aluminium as Al	EPA 3050B	0.05	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

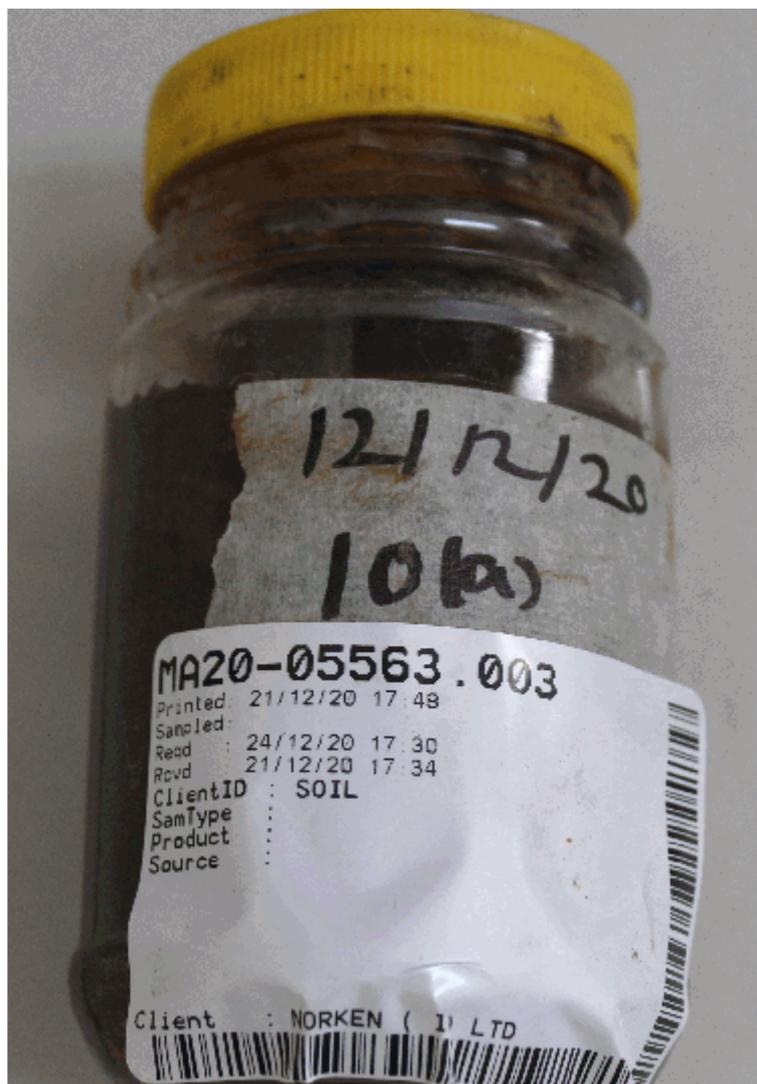
241220201237 0000125276

Page 5 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-003

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201237 0000125276

Page 6 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 24/12/2020

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA20-05563.004

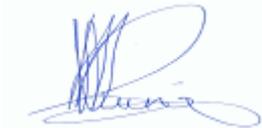
PRODUCT DESCRIPTION: SOIL

SAMPLED BY: CLIENT
 DATE SAMPLED: 16/12/2020
 SAMPLING LOCATION: NAIROBI
 SAMPLE RECEIVED: 21/12/2020
 ANALYSIS STARTED: 23/12/2020
 ANALYSIS COMPLETED: 23/12/2020
 SGS ORDERNO: 5200654
 MARKS: CONDITION OF SAMPLE: DELIVERED IN A PLASTIC JAR.
 12/12/20
 10(b)
 REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Cadmium as Cd	EPA 3050B	0.29	mg/kg
Copper as Cu	EPA 3050B	3.21	mg/kg
Nickel as Ni	EPA 3050B	2.65	mg/kg
Chromium as Cr	EPA 3050B	4.57	mg/kg
Iron as Fe	EPA 3050B	0.14	%
Cobalt as Co	EPA 3050B	3.67	mg/kg
Lead as Pb	EPA 3050B	12.38	mg/kg
Zinc as Zn	EPA 3050B	100.93	mg/kg
Aluminium as Al	EPA 3050B	0.22	%

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Stephen Musyoka-Chemist

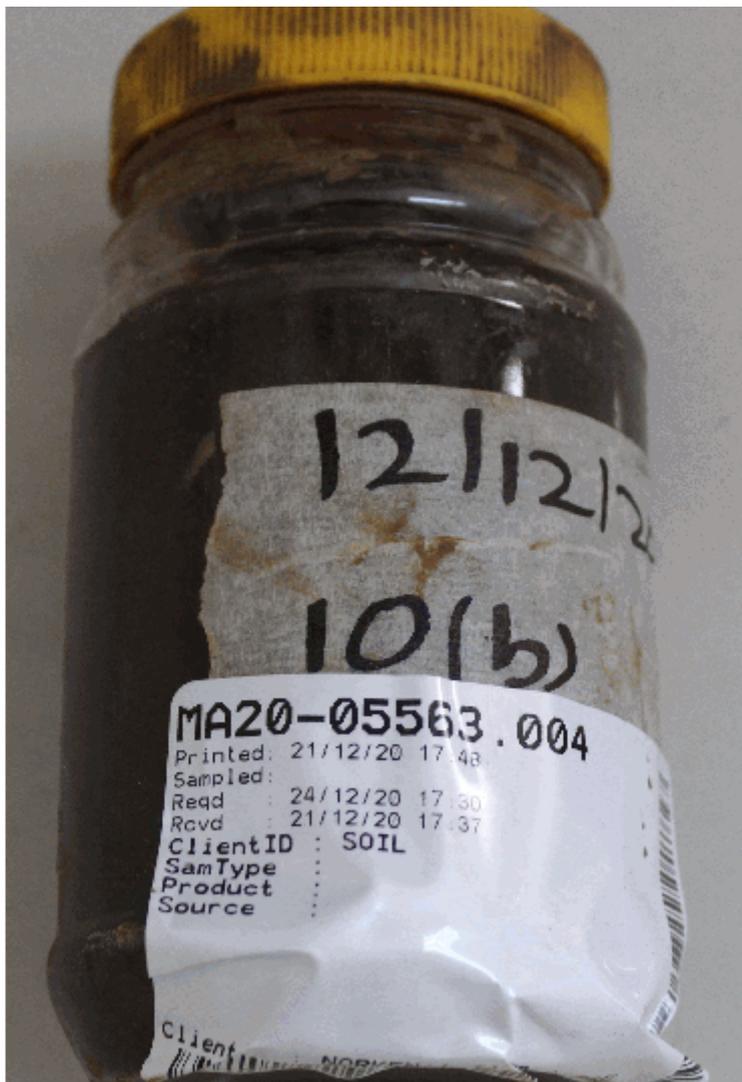
241220201237 0000125276

Page 7 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA20-05563-004

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Stephen Musyoka-Chemist

241220201237 0000125276

Page 8 of 8

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)

Date: 13/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
SGS House
Ali Punjani Street
P.O. Box 90264
80100 Mombasa
Kenya

NORKEN (I) LTD
P.O BOX 9882-00100
NAIROBI
KENYA

Analysis Report MA21-02014.001

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT

SAMPLE RECEIVED: 03/05/2021

ANALYSIS STARTED: 10/05/2021

ANALYSIS COMPLETED: 13/05/2021

SGS ORDERNO: 5000370

MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
8U
7

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.22	mg/kg
Copper as Cu		11.88	mg/kg
Chromium as Cr		2.24	mg/kg
Nickel as Ni		3.14	mg/kg
Lead as Pb		8.12	mg/kg
Zinc as Zn		48.11	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Erick Aosa-Chemist

130520211222 0000128858

Page 1 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

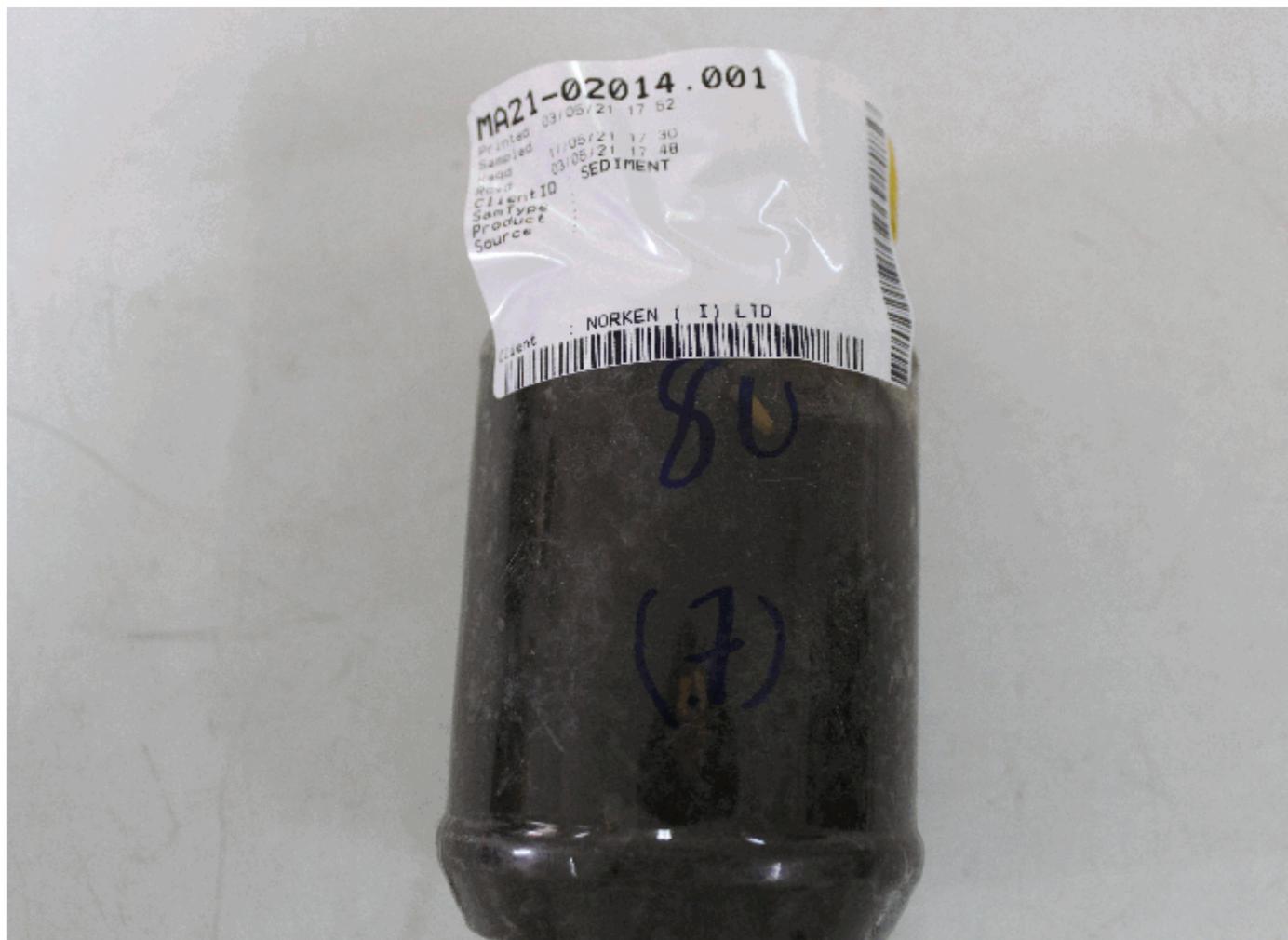
This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Kenya Ltd.

SGS House, Ali Punjani Street, P.O.Box 90264, Mombasa 80100 Kenya, t:+254(41)222 667-9| 722202145|733611105, f:+254(41) 222 8703, e: lab.kenya@sgs.com

Member of the SGS Group (Société Générale de Surveillance)



MA21-02014.001

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Erick Aosa-Chemist

130520211222 0000128858

Page 2 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 13/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02014.002

PRODUCT DESCRIPTION: SEDIMENT

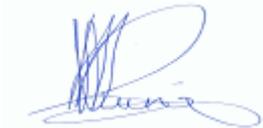
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 10/05/2021
 ANALYSIS COMPLETED: 13/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 12U
 7

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.50	mg/kg
Copper as Cu		16.28	mg/kg
Chromium as Cr		2.48	mg/kg
Nickel as Ni		2.87	mg/kg
Lead as Pb		10.03	mg/kg
Zinc as Zn		59.06	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Erick Aosa-Chemist

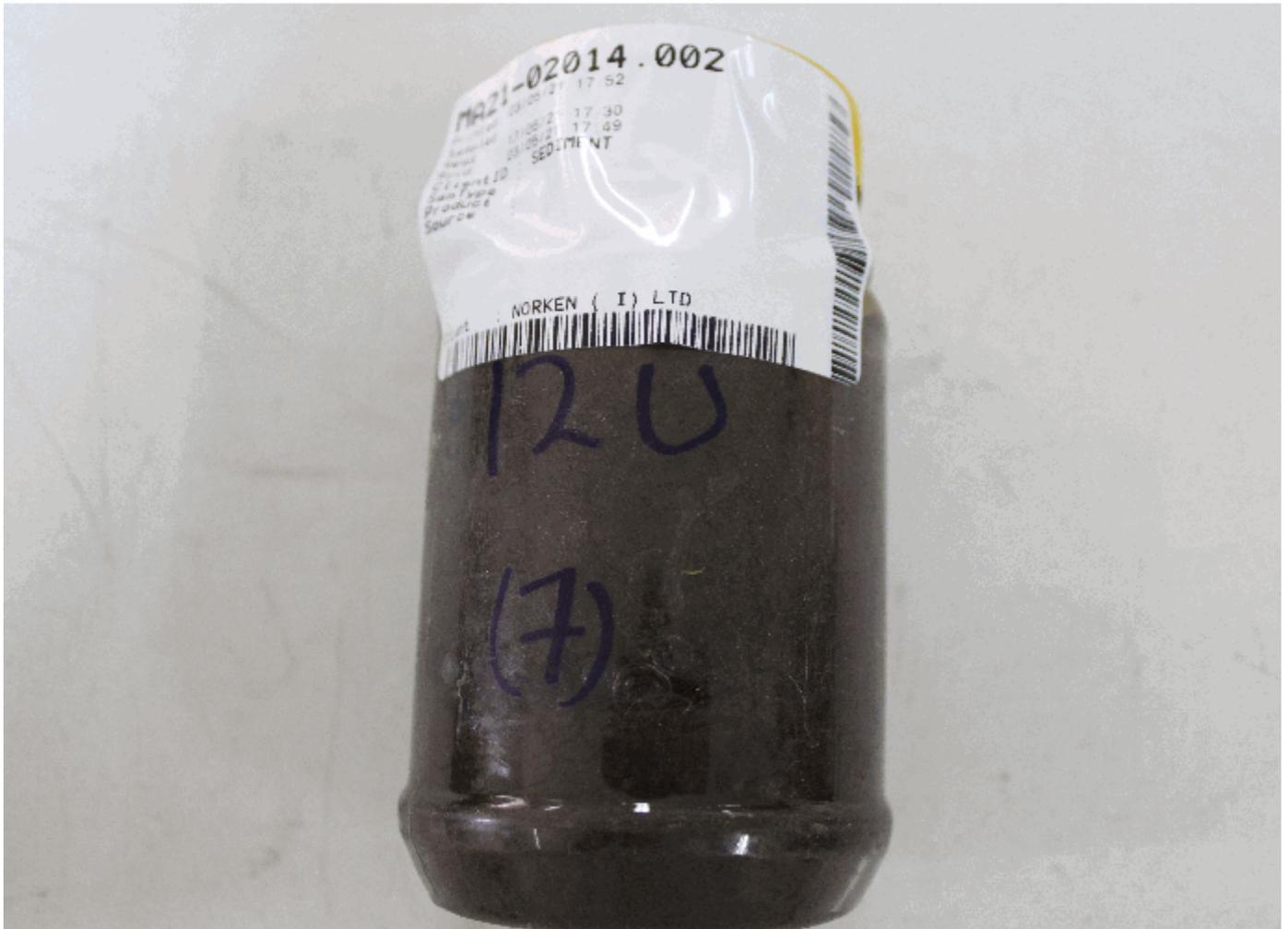
130520211222 0000128858

Page 3 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02014.002

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Erick Aosa-Chemist

130520211222 0000128858

Page 4 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 13/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02014.003

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 10/05/2021
 ANALYSIS COMPLETED: 13/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 12D
 7

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.76	mg/kg
Copper as Cu		26.78	mg/kg
Chromium as Cr		4.84	mg/kg
Nickel as Ni		2.53	mg/kg
Lead as Pb		14.29	mg/kg
Zinc as Zn		67.25	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Erick Aosa-Chemist

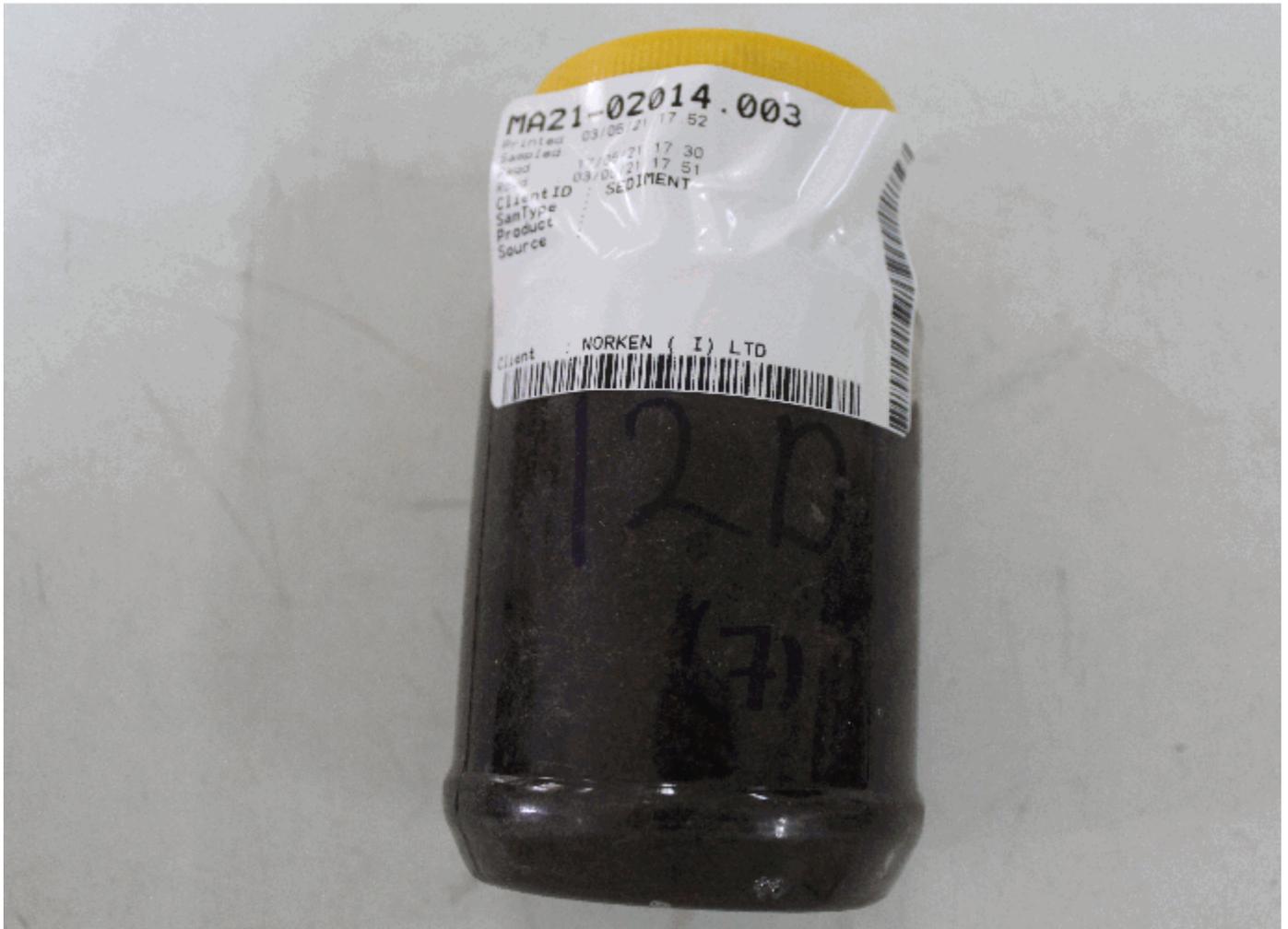
130520211222 0000128858

Page 5 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02014.003

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Erick Aosa-Chemist

130520211222 0000128858

Page 6 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 13/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02014.004

PRODUCT DESCRIPTION: SEDIMENT

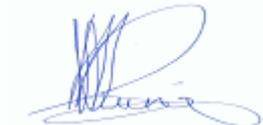
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 10/05/2021
 ANALYSIS COMPLETED: 13/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1U
 7

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.31	mg/kg
Copper as Cu		11.67	mg/kg
Chromium as Cr		2.01	mg/kg
Nickel as Ni		2.69	mg/kg
Lead as Pb		7.33	mg/kg
Zinc as Zn		52.64	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Erick Aosa-Chemist

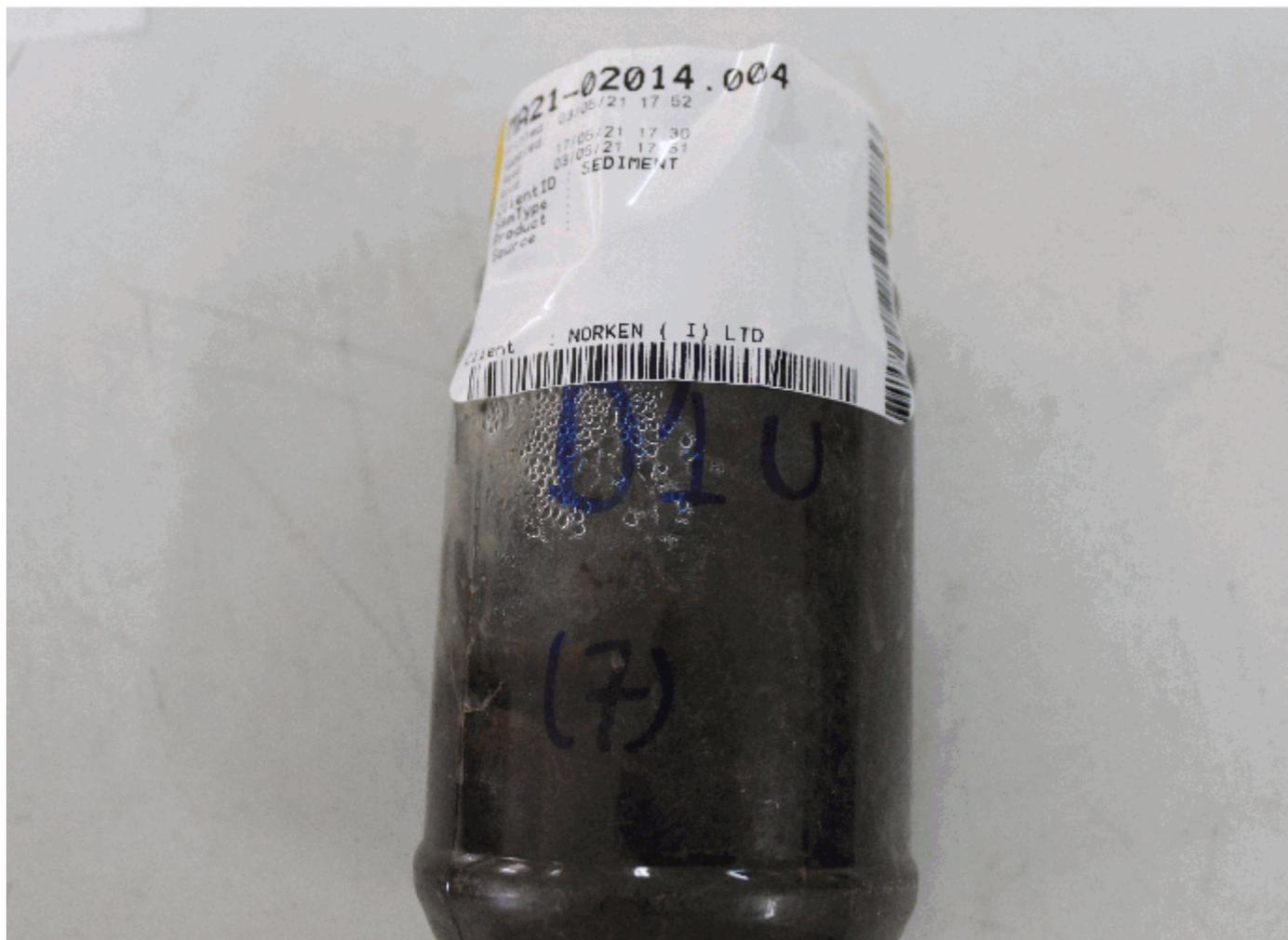
130520211222 0000128858

Page 7 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02014.004

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Erick Aosa-Chemist

130520211222 0000128858

Page 8 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 13/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02014.005

PRODUCT DESCRIPTION: SEDIMENT

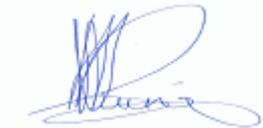
SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 10/05/2021
 ANALYSIS COMPLETED: 13/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 D1D
 7

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.23	mg/kg
Copper as Cu		8.46	mg/kg
Chromium as Cr		0.48	mg/kg
Nickel as Ni		1.66	mg/kg
Lead as Pb		3.68	mg/kg
Zinc as Zn		42.60	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Erick Aosa-Chemist

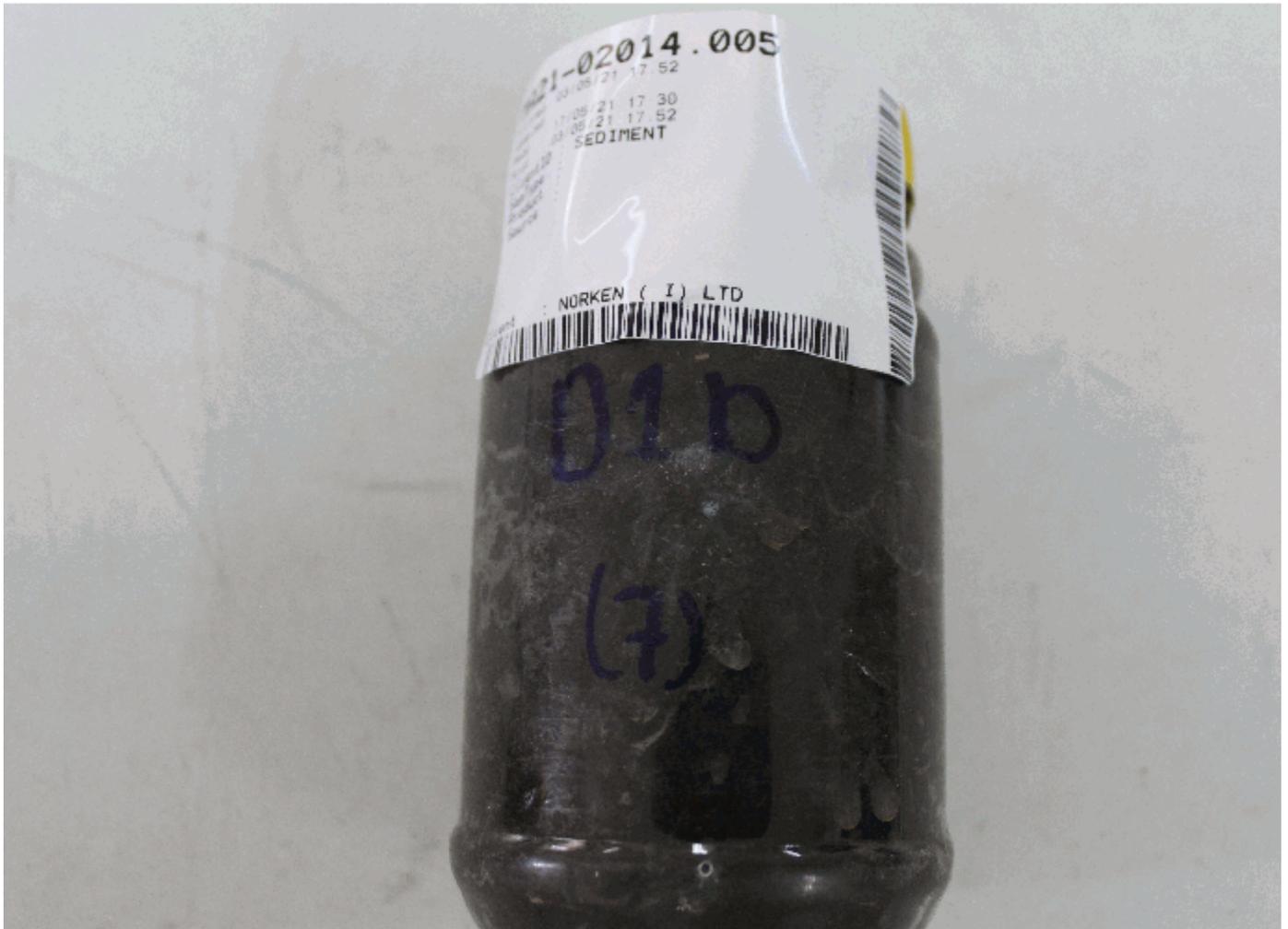
130520211222 0000128858

Page 9 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02014.005

Authorised Signatory

Technical Signatory

Anselm Riungu - Technical Manager

Erick Aosa-Chemist

130520211222 0000128858

Page 10 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Date: 13/05/2021

SGS Kenya Limited Laboratory Services

SGS Kenya Ltd.
 SGS House
 Ali Punjani Street
 P.O. Box 90264
 80100 Mombasa
 Kenya

NORKEN (I) LTD
 P.O BOX 9882-00100
 NAIROBI
 KENYA

Analysis Report MA21-02014.006

PRODUCT DESCRIPTION: SEDIMENT

SAMPLED BY: CLIENT
 SAMPLE RECEIVED: 03/05/2021
 ANALYSIS STARTED: 10/05/2021
 ANALYSIS COMPLETED: 13/05/2021
 SGS ORDERNO: 5000370
 MARKS: CONDITION OF SAMPLE : DELIVERED IN A PLASTIC BOTTLE
 8D
 7

REPORT COMMENTS: This report refers to a submitted sample and all details in respect of source; quantities; marks are not verified or confirmed.

TESTS	METHOD	RESULT	UNITS
Metals in soil and sediment	EPA 3050B		
Cadmium as Cd		0.29	mg/kg
Copper as Cu		7.74	mg/kg
Chromium as Cr		0.74	mg/kg
Nickel as Ni		7.54	mg/kg
Lead as Pb		3.59	mg/kg
Zinc as Zn		38.86	mg/kg

Authorised Signatory

Technical Signatory



Anselm Riungu - Technical Manager



Erick Aosa-Chemist

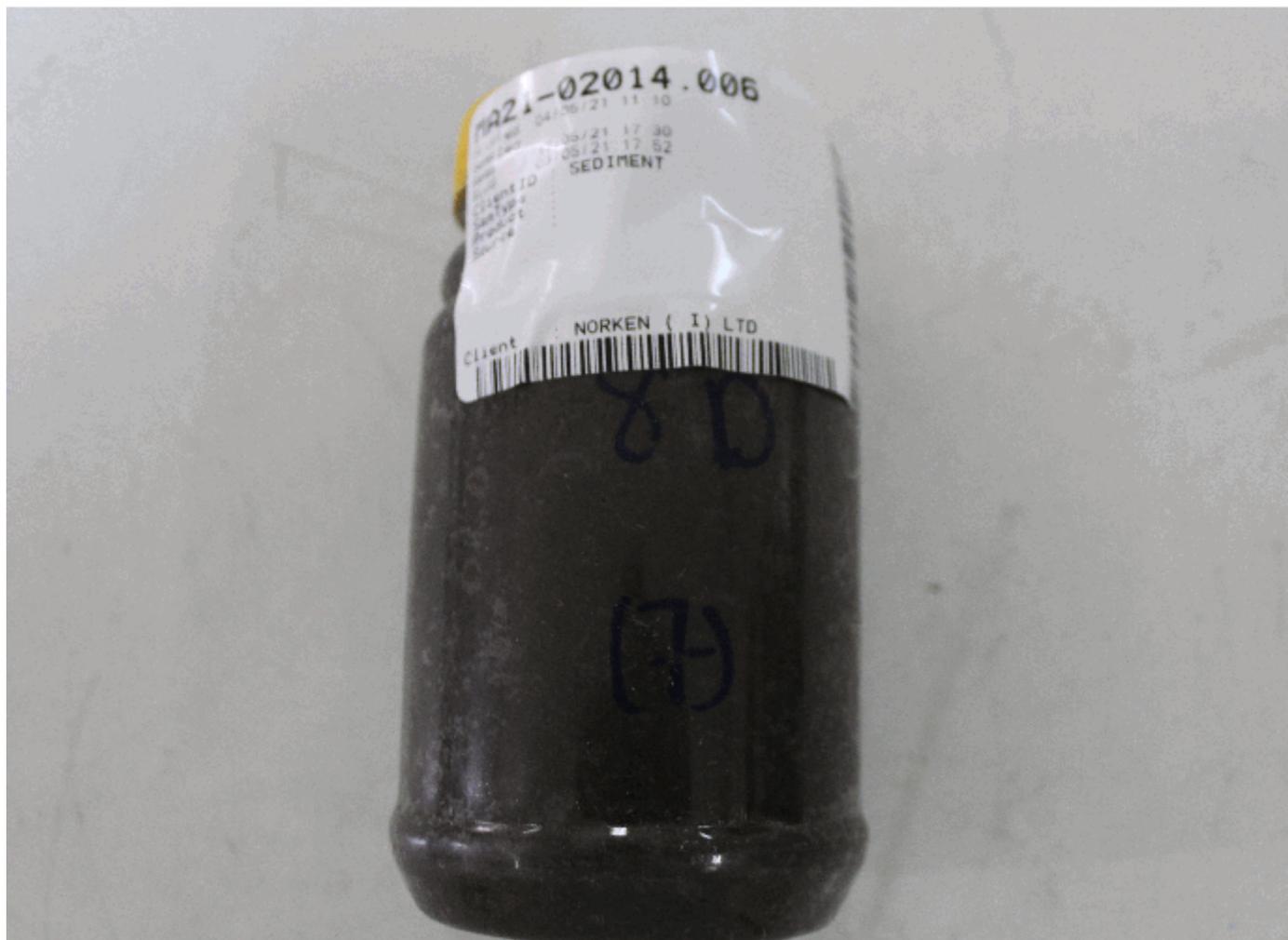
130520211222 0000128858

Page 11 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



MA21-02014.006

****End of Analytical Results****

Authorised Signatory

Anselm Riungu - Technical Manager

Technical Signatory

Erick Aosa-Chemist

130520211222 0000128858

Page 12 of 12

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only (if non-perishable).

This document is issued by the Company subject to its General Conditions of Service printed overleaf or available on request and accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 006/ OM/θv

SAMPLE: B3 (Upstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	1.8	%
Moisture Content	19.2	%

SAMPLE: B# (Downstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	1.4	MPN/100 ml
Moisture Content	19.3	MPN/100 ml

*******END OF TEST RESULTS*******

Analyst

..... *Arbet Duale*





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 004/ OM/θv

SAMPLE: B± (Upstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	3.5	%
Moisture Content	16.2	%

SAMPLE: B± (Downstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	3.7	%
Moisture Content	18.9	%

*******END OF TEST RESULTS*******

Analyst

.....
Gubet Quato

Technical Signatory





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 002/ OM/0V

SAMPLE: 15 (Upstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	11.9	%
Moisture Content	45.8	%

SAMPLE: 15 (Downstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	11.4	%
Moisture Content	46.4	%

*******END OF TEST RESULTS*******

Analyst

..... *Robert Outo*

..... **Technical Signatory**
KENYA MARINE & FISHERIES
RESEARCH INSTITUTE
P. O. Box 81651-80100
MOMBASA



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 001/OM/0v

SAMPLE: 10 (Upstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	3.6	%
Moisture Content	25.4	%

SAMPLE: 10 (Downstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	4.6	%
Moisture Content	24.9	%

*******END OF TEST RESULTS*******

Analyst

..... *Carbed Oest*

Technical Signatory
.....
**KENYA MARINE & FISHERIES
RESEARCH INSTITUTE
P. O. Box 81651-080100
MOMBASA**



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 003/ OM/0v

SAMPLE: 5 (Upstream)

ANALYSIS DATE: 21/12/2020

Analysis Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	9.8	%
Moisture Content	36.4	%

SAMPLE: 5 (Downstream)

ANALYSIS DATE: 21/12/2020

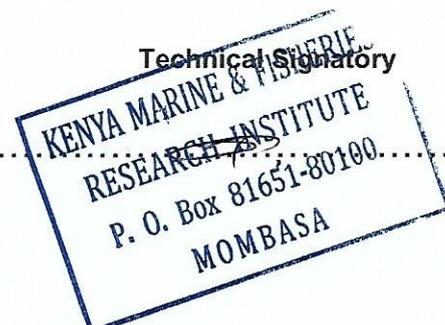
Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	5.0	%
Moisture Content	23.6	%

*******END OF TEST RESULTS*******

Analyst

Albert Ouelo





KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA

TEST REPORT NO. 2020 /ISOTOPE LAB / 005/ OM/θv

SAMPLE: 3 (Upstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	4.5	%
Moisture Content	30.4	%

SAMPLE: 3 (Downstream)

ANALYSIS DATE: 21/12/2020

Method: Loss on Ignition (LOI)

PARAMETER	%	UNITS
Organic matter (% LOI)	7.9	%
Moisture Content	32.3	%

*******END OF TEST RESULTS*******

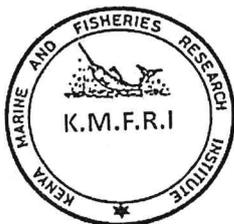
Analyst

..... *Cupid Ouelo*

Technical Signatory



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 600/OM/0V

ANALYSIS DATE: 19/05/2021

Method: Loss on Ignition (LOI)

PARAMETER	SAMPLE: D1-U	UNITS
	%	%
Organic matter (% LOI)	33.6	%
Moisture Content	64.2	%

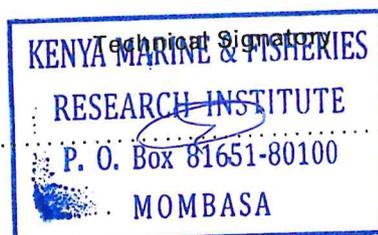
PARAMETER	SAMPLE: 12-U	UNITS
	%	%
Organic matter (% LOI)	25.2	%
Moisture Content	53.6	%

PARAMETER	SAMPLE: 8-U	UNITS
	%	%
Organic matter (% LOI)	34.5	%
Moisture Content	62.9	%

*****END OF TEST RESULTS *****

Analyst

Owato Albert



KENYA MARINE AND FISHERIES RESEARCH INSTITUTE,
P.O. BOX 81651-080100,
SILOS ROAD, ENGLISH POINT, MKOMANI,
MOMBASA,
KENYA



TEST REPORT NO. 2020 /ISOTOPE LAB / 601/OM/0v

ANALYSIS DATE: 19/05/2021

Method: Loss on Ignition (LOI)

PARAMETER	SAMPLE: D1-D %	UNITS
Organic matter (% LOI)	27.8	%
Moisture Content	51.5	%

PARAMETER	SAMPLE: 8-D %	UNITS
Organic matter (% LOI)	25.7	%
Moisture Content	49.9	%

PARAMETER	SAMPLE: 12 - D %	UNITS
Organic matter (% LOI)	22.4	%
Moisture Content	42.1	%

*****END OF TEST RESULTS *****

Analyst

Quato Gilbert

Technical Signatory

KENYA MARINE & FISHERIES
RESEARCH INSTITUTE
P. O. Box 81651-80100
MOMBASA