

CERTIFICATE OF ACCREDITATION

NAMIBIAN STANDARDS INSTITUTION - TESTING CENTRE

Standards Act of 2005 No.18

Facility Accreditation Number: TEST-1 0020

is a SADCAS accredited Testing Laboratory
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

MICROBIOLOGICAL ANALYSIS

The facility is accredited in accordance with the recognized International Standard

ISO/IEC 17025:2017

*The accreditation demonstrates technical competency for a defined scope and the operation
of a laboratory quality management system*

*SADCAS is a subsidiarity organization of SADC. A memorandum of understanding between SADC and
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States
as a multi-economy accreditation body*

Mrs Maureen P Mutasa
SADCAS Chief Executive Officer

Effective Date (Issue No: 1): 12 December 2019
Certificate Expires: 11 December 2024

ANNEXURE A

SCHEDULE OF ACCREDITATION

MICROBIOLOGICAL ANALYSIS

Laboratory Accreditation Number: **TEST-1 0020 (ISO/IEC 17025:2017)**

<p>Permanent Address of Laboratory Namibian Standards Institution – Testing Centre New Light Industrial Area Langer Heinrich Crescent ERF No. 4466, Walvis Bay Namibia</p> <p>Postal Address: P O Box 123 Walvis Bay Namibia</p> <p>Tel : +264 64 216 600 Cell : +264 81 147 5386 Direct : +264 64 216 609 Email : Nseua@nsi.com.na</p>		<p>Technical Signatories: Ms S Shiindi (All methods) Mr D Shipena (All methods, except TM/M/33) Mr S W Shityeni (All methods, except TM/M/22 & TM/M/33) Mr A Hashoongo (All methods, except TM/M/22 & TM/M/25) Ms R Hamunyela (All methods, except TM/M/22, TM/M/25 & TM/M/33)</p> <p>Nominated Representative : Ms A Nseu</p> <p>Issue No : 05 Date of Issue : 20 April 2023 Expiry Date : 11 December 2024</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
<p>Food Products Fish and Fishery Products, Meat and Meat Products, Ready-to-eat foods, Egg and Egg Products, Chicken and Chicken Products</p> <p>Fish and Fishery Products, Meat and Meat Products, Egg and Egg Products, Chicken and Chicken Products, Ready-to-eat Foods, Swabs</p>	<p>Enumeration of Total Viable Colony Count Enumeration of β-glucuronidase-positive <i>Escherichia coli</i> Enumeration of coagulase-positive Staphylococci including <i>Staphylococcus aureus</i> Detection of Shigella spp. Enumeration of <i>Clostridium perfringens</i></p> <p>Detection and enumeration of Enterobacteriaceae Enumeration of Coliforms Detection of Salmonella spp.</p>	<p>TM/M/01 based on ISO 4833-1 TM/M/04 based on ISO 16649-2</p> <p>TM/M/05 based on SANS 6888-1</p> <p>TM/M/07 based on ISO 21567 TM/M/09 based on SANS 7937</p> <p>TM/M/02 based on ISO 21528-2 TM/M/03 based on SANS 4832 TM/M/08 based on ISO 6579-1</p>

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Issue No: 05

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Food Products		
Fish and Fishery Products, Shellfish, Meat and Meat Products, Chicken and Chicken Products, Ready-to-eat foods, Egg and Egg Products	Detection of <i>Vibrio</i> spp. Including <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholerae</i> and <i>Vibrio vulnificus</i>	TM/M/06 based on ISO 21872-1
Fish and Fishery Products, Meat and Meat Products, Chicken and Chicken Products, Ready-to-eat foods, Egg and Egg Products and Vegetables	Detection of <i>Listeria monocytogenes</i>	TM/M/10 based on ISO 11290-1
Shellfish	Enumeration of <i>Escherichia coli</i> by MPN	TM/M/11 based on ISO 16649-3
Swabs	Enumeration of Total Viable Colony Count Detection of Faecal coliforms and <i>Escherichia coli</i>	TM/M/12 based on SANS 5763 TM/M/13 based on VC 8031
Potable Water – Tap, RO ₃ Borehole, Bottled water and Ice, Sea Water – Sea Water and Ice, Effluent water	Enumeration of Total Viable Colony Count Enumeration of Total Coliforms using Membrane Filtration Enumeration of Faecal coliforms and <i>Escherichia coli</i> using Membrane Filtration Enumeration of Intestinal Enterococci using Membrane Filtration Enumeration of <i>Clostridium perfringens</i> using Membrane Filtration Enumeration of <i>Legionella</i> spp.	TM/M/14 based on SANS 5221 TM/M/15 based on SANS 5221 TM/M/16 based on SANS 5221 TM/M/17 based on SANS 7899 TM/M/26 based on adopted Methods and SANS 7937 and SANS 5221 TM/M/22 based on ISO 11731
Potable Water – Tap, Borehole, Bottled water and Ice, Seawater	Detection and Enumeration of <i>Pseudomonas aeruginosa</i>	TM/M/23 based on ISO 16266
Potable Water – Tap, RO ₃ , Borehole, Bottled water and Ice, Effluent water	Enumeration of Total Viable Colony Count at 22 °C Enumeration of Total Viable Colony Count at 37 °C	TM/M/30 adapted from Microbiology of drinking water (2012) Part 7 – Environmental Agency TM/M/31 adapted from Microbiology of drinking water (2012) Part 7 – Environmental Agency
Microbial Cultures	Identification of Bacterial & Yeast Cultures	TM/M/21 using Vitek MS

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<p>Food Products Fish and Fishery Products, Meat and Meat Products, Chicken and Chicken Products, Ready-to-eat foods, Egg and Egg Products, Vegetables and Swabs</p> <p>Canned Meat, Fish and Pouches</p> <p>Fish and Fishery Products, Meat and Meat Products, Ready-to-Foods including dried products, Egg and Egg Products, Cereals, Poultry and Poultry Products, Dairy and Dairy Products, Spices, Swabs, Flour, Dried Seeds and Grains, Animal Feed including Pet Food</p> <p>Alcohol- based hand sanitizer and Disinfectants</p> <p>Potable Water (Tap, RO₃ Borehole, Bottled water and Ice), Seawater (Seawater and ice), Effluent water, Swabs</p>	<p>Enumeration of <i>Bacillus cereus</i></p> <p>Sterility Test</p> <p>Enumeration of Yeasts and Moulds</p> <p>Evaluation of antimicrobial and bactericidal efficacy in alcohol-based disinfectants</p> <p>Sampling</p>	<p>TM/M/24 based on SANS 7932</p> <p>TM/M/25 based on SANS 6257</p> <p>TM/M/32 based on ISO 21527-1 & 2</p> <p>TM/M/33 based on SANS 5261</p> <p>SOP/M/04 based on SAN 5763, VC8031, V6V-1H4, Examination water and wastewater, American water works association</p>

Original date of accreditation: 12 December 2019

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Pinkie J Malebe
SADCAS Technical Manager