

CERTIFICATE OF ACCREDITATION

NATIONAL WATER QUALITY REFERENCE LABORATORY - UGANDA

Established by Water Act, Cap 152, 1997 of the Republic of Uganda

Facility Accreditation Number: TEST-5 0099

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

CHEMICAL 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*

Eve Christine Gadzikwa
SADCAS Chief Executive Officer

Date of Accreditation: 23 March 2025
Effective Date (Issue No: 1): 23 March 2025
Certificate Expires: 22 March 2030

ANNEXURE A

SCHEDULE OF ACCREDITATION

Chemical Analysis

Laboratory Accreditation Number: **TEST-5 0099 (ISO/IEC 17025:2017)**

<u>Permanent Address of Laboratory</u> National Water Quality Reference Laboratory 6A-8 Water Work Road Entebbe Uganda		<u>Technical Signatories</u> : Ms A Penrose (All methods, except 1, 3, 6 & 7) Ms D Daphine (All methods, except 1 & 2) Ms K Godfrey (All methods) Ms K Phionah (All methods, except 1) Ms N M Nahumitsa (Methods 3, 6 & 7) Mr W Michael (Methods 1, 2, 6 & 7)
<u>Postal Address</u> P.O Box 19 Entebbe Uganda		<u>Nominated Representative</u> : Mr O D Wilbert
<u>Tel</u> : +256 772 690 421 <u>Cell</u> : +256 772 690 421 <u>Email</u> : idrakua.lily@gmail.com		<u>Issue No</u> : 01 <u>Date of Issue</u> : 23 March 2025 <u>Expiry date</u> : 22 March 2030
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Surface Water, Ground Water, Drinking Water, Wastewater	Determination of metals: As, Al, Cd, Co, Cu, Pb, Mn, Ni, Fe, Zn Sodium and Potassium Determination of: Ammonium, Nitrate, Nitrite, Fluoride, Chloride, Orthophosphate and Sulphate Turbidity	PM 7.2/TM/IO-02/01 by ICP -OES PM 7.2/TM/IO-03/01 by Flame Photometry PM 7.2/TM/IO-01/01 by Photometric Detection PM 7.2/TM/C-03/01 by Turbidimetry

ANNEXURE A

Laboratory Accreditation No: TEST-5 0099 (ISO/IEC 17025:2017)

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MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Surface Water, Ground Water, Drinking Water, Wastewater	Colour (apparent)	PM 7.2/TM/C-04/01
	pH	PM 7.2/TM/C-01/01 by Electrometry
	Electrical Conductivity	PM 7.2/TM/C-02/01 by Conductimetry
	Total Dissolved Solids	PM 7.2/TM/C-11/01 by Gravimetry method
	Biochemical Oxygen Demand	PM 7.2/TM/C-09/01 by 5-day BOD method
	Chemical oxygen demand	PM 7.2/TM/C-10/01 by closed tube reflux method
	Total Suspended Solids	PM 7.2/TM/C-07/01 by Gravimetry
	Total Hardness	PM 7.2/TM/C-06/01 by EDTA titration
	Determination of Total Alkalinity & Bicarbonates	PM 7.2/TM/C-05/01 by Titrimetric method
	Total Iron	PM 7.2/TM/C-08/01 by Phenanthroline method

Original date of accreditation: 23 March 2025

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Pinkie J Malebe
SADCAS Technical Manager

