

CERTIFICATE OF ACCREDITATION

ZAMBIA BUREAU OF STANDARDS (TESTING)

Standards Act No 4 of the Laws of Zambia

Facility Accreditation Number: TEST-5 0018

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*

Mrs Maureen P Mutasa
SADCAS Chief Executive Officer

Date of Renewal of Accreditation: 29 May 2021
Effective Date (Issue No: 1): 29 May 2021
Certificate Expires: 28 May 2026

ANNEXURE A

SCHEDULE OF ACCREDITATION

CHEMICAL ANALYSIS

Laboratory Accreditation Number: **TEST-5 0018 (ISO/IEC 17025:2017)**

<p><u>Permanent Address of Laboratory</u> Zambia Bureau of Standards Lechwe House, Freedom way Lusaka Zambia</p> <p><u>Postal Address</u> PO Box 50259 Lusaka Zambia</p> <p><u>Tel</u> : +260 211 231 385 <u>Cell</u> : +260 965655949 <u>Fax</u> : +260 211 238 483 <u>Email</u> : lmwila@zabs.org.zm</p>			<p><u>Technical Signatories</u> Mrs J M Kena (All methods except LTM 007 CL) Ms N Chansa (All methods except LTM 007 CL) Mr C M Shonga (LTM 007 CL) Mr B Kafunda (LTM 007 CL & All petroleum methods) Mr F Sampa (All Petroleum methods) Ms N Tembo (All methods, except LTM 007 CL) Ms L Siyumbwa (LTM 016, 017, 040, 043 & 053) Ms M Zulu (LTM 012, 017, 040, 043 & 053) Ms M Zulu (LTM 012, 017, 040, 043 & 053)</p> <p><u>Management Representative</u> : Mr H Manda</p> <p><u>Nominated Representative</u> : Mr L Mwila</p> <p><u>Issue No</u> : 03 <u>Date of Issue</u> : 29 April 2025 <u>Expiry Date</u> : 28 May 2026</p>		
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED			
<p><u>Food and Feeds</u> Maize Meal</p> <p>Wheat Flour</p> <p>Food, Feed and Grain</p> <p><u>Water</u> Water and Wastewater</p>	Determination of Moisture and Volatile Contents	LTM 017 GCL - Technique using Grain Analyzer Perten DA7250			
	Determination of Total Ash	LTM 053 GCL - Technique using Grain Analyzer Perten DA7250			
	Determination of Moisture, Protein and Ash	LTM 043 GCL Technique using Grain Analyzer Perten DA7250			
	Determination of Aflatoxins	LTM 007 CL using Immunocapture Fluorometric Vicam			
	Determination of pH	LTM 012 IL – using P-Saw pH meter			
	Determination of Nitrates	LTM 016 IL using UV2600 Spectrophotometer			

ANNEXURE A

Laboratory Accreditation No: TEST-5 0018 (ISO/IEC 17025:2017)

Issue No: 03

Date of Issue: 29 April 2025

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MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
<u>Water</u> Water and Wastewater	Determination of Calcium, Potassium, Lead Magnesium, Sodium, Cadmium, Chromium, Cobalt, Copper, Iron, Manganese, Nickel & Zinc	LTM 001 IL by ICP - OES
<u>Animal Feed</u>	Determination of Calcium, Potassium, Magnesium, Sodium, Cobalt, Copper, Iron, Manganese and Zinc	LTM 002 IL by ICP - OES
	Determination of Moisture in Animal Feed	LTM 040 GCL by Moisture analyzer
<u>Liquid Petroleum Products</u> Petrol, Diesel and Lubricants	Determination of Kinematic Viscosity	LTM 001 PETL by Viscometer
	Determination of Flash Point	LTM 002 PETL by Flash Point Tester
	Determination of Octane number of Petrol (Gasoline) using the Octane meter	LTM 003 PETL by octane meter and/or FTIR
Petrol	Determination of Density and Specific Gravity	LTM 004 PETL by Hydrometer and/or FTIR
Diesel	Determination of Cetane Number of Diesel (Gasoil) using Octane Meter	LTM 005 PETL by octane meter and/or FTIR

Original date of accreditation: 03 December 2015

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Pinkie J Malebe
SADCAS Technical Manager