

CERTIFICATE OF ACCREDITATION

MORUPULE COAL MINE LABORATORY - BOTSWANA

Company Registration No. UIN BW 00000 782 082

Facility Accreditation Number: TEST-5 0050

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 Renewal of Accreditation: 14 April 2025
Effective Date (Issue No: 1): 19 June 2025
Certificate Expires: 18 June 2030

ANNEXURE A
SCHEDULE OF ACCREDITATION
CHEMICAL ANALYSIS

Laboratory Accreditation Number: TEST-5 0050 (ISO/IEC 17025:2017)

<p><u>Permanent Address of Laboratory</u> Morupule Coal Mine Laboratory Along A14 Road Morupule Area Palapye Botswana</p> <p><u>Postal Address</u> Private Bag 35 Palapye Botswana</p> <p><u>Tel</u> : +267 492 0251 <u>Cell</u> : +267 71 317 060 <u>Fax</u> : +267 492 0643 <u>Email</u> : kkeabetswe@mcm.co.bw</p>	<p><u>Technical Signatories</u> : Ms G Kanyeto (All methods) Mr B Ntabe (All methods) Mr J Ramakoloi (All methods) Ms U Rabodietso (All Methods)</p> <p><u>Nominated Representative</u> : Ms K Keabetswe</p> <p><u>Issue No</u> : 01 <u>Date of Issue</u> : 19 June 2025 <u>Expiry Date</u> : 18 June 2030</p>	
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Coal	Sample Preparation Determination of Phosphorus Calorific Value Moisture in Analysis Sample ISO ASH Determination of Volatile Matter Particle Size Distribution	MCM/LAB/002 WI based on ISO 13909 MCM/LAB/014 WI MCM/LAB/007 WI based on ISO 1928 MCM/LAB/011 WI based on SANS 5925 MCM/LAB/008 WI based on ISO 1171 MCM/LAB/006 WI based on ISO 562 MCM/LAB/010 WI based on ISO 1953

Original date of accreditation: 19 June 2020

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Pinkie J Malebe
SADCAS Technical Manager