

CERTIFICATE OF ACCREDITATION

SA MINERALS LABORATORIES ITHUBA (PTY) LTD– TANZANIA

Company Registration No. 2020/647623/07

Facility Accreditation Number: TEST-5 0078

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

Effective Date (Issue No: 1): 02 May 2023
Certificate Expires: 01 May 2028

ANNEXURE A

SCHEDULE OF ACCREDITATION

CHEMICAL ANALYSIS

Laboratory Accreditation Number: **TEST-5 0078 (ISO/IEC 17025:2017)**

<p><u>Permanent Address of Laboratory</u> SA Minerals Laboratories Ithuba (PTY) Ltd - Tanzania Ruvuma Coal Limited Coal Mine Laboratory Division Songea Tanzania</p> <p><u>Postal Address</u> P O Box 7283 Paradiso Mbinga Songea Tanzania</p> <p><u>Tel</u> : +27 60 810 7635 <u>Cell</u> : +255 764 556 837 <u>Email</u> : joan@salabithuba.co.za</p>		<p><u>Technical Signatories</u> : Mr F H Pretorius – All Methods Mr V Charles – All Methods</p> <p><u>Nominated Representative</u> : Mr F H Pretorius</p> <p><u>Issue No</u> : 02 <u>Date of Issue</u> : 14 September 2023 <u>Expiry Date</u> : 02 May 2028</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Coal	<p>Inh. Moisture</p> <p>Ash Content</p> <p>Volatile Matter</p> <p>Calorific Value</p> <p>Size Grading</p> <p>Total Sulfur Content</p>	<p>P2-SOP4, SANS 9525: 2017 (Inhouse based on ISO 331)</p> <p>P2-SOP1, ISO 1171: 2010</p> <p>P2-SOP3, ISO 562: 2010</p> <p>P2-SOP2, ISO 1928: 2020</p> <p>P2-SOP8, ISO 1953: 2015</p> <p>P2-SOP6, ASTM D4239 – 18, ISO 20336: 2017</p>

ANNEXURE A

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Issue No: 02

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MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Coal	Sample Preparation Sampling Activities Total Moisture	P2-SOP8, ISO 13909-4: 2016 P2-SOP11, ISO 18283: 2022 P2-SOP7, ISO 589: 2008

Original date of accreditation: 02 May 2023

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Pinkie J Malebe
SADCAS Technical Manager