

CERTIFICATE OF ACCREDITATION

BUREAU VERITAS MOZAMBIQUE LIMITADA – VALE MOATIZE LABORATORY

Company Registration No.10806/11/01/GR/2015

Facility Accreditation Number: TEST-5 0041

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

Effective Date (Issue No: 1): 29 August 2019
Certificate Expires: 28 August 2024

ANNEXURE A

SCHEDULE OF ACCREDITATION

CHEMICAL ANALYSIS

Laboratory Accreditation Number: **TEST-5 0041 (ISO/IEC 17025:2017)**

<p><u>Permanent Address of Laboratory</u> Bureau Veritas Mozambique Limitada Vulcan Moatize on-site Laboratory Vulcan Carbomoc-Casa-20 Moatize, Tete Mozambique</p> <p><u>Postal Address</u> Vulcan Moatize on-site Laboratory Vulcan Carbomoc-Casa-20 Moatize, Tete Mozambique</p> <p><u>Tel</u> : +258 84 379 7977 <u>Cell</u> : +258 84 334 6789 <u>Email</u> : emily.human@bureauveritas.com</p>		<p><u>Technical Signatories</u> Mr N S Majambe (All methods) Mr V S Monteiro (All methods) Mr A Cossa (All methods) Mr G Chafa (All methods) Mr E Nhantunbo (All methods) Mr G A Simango (IM, VM and CV) Mr A A Nhari (All methods) Mr S J Jacob (All methods) Mr F F Mawai (All methods)</p> <p><u>Nominated Representative</u> : Ms E C Human</p> <p><u>Issue No</u> : 03 <u>Date of Issue</u> : 02 February 2024 <u>Expiry Date</u> : 28 August 2024</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Coal	<p>General Sample Preparation</p> <p>Determination of:</p> <ul style="list-style-type: none"> - Ash content - Volatile Matter (VM) - Calorific Value (CV) - Moisture in the Analysis Sample - Total Sulphur - Phosphorous - Total Moisture 	<p>BV-CTD-MOZ-T7-WI-Prep</p> <p>BV-CTD-MOZ-T4-WI-Ash</p> <p>BV-CTD-MOZ-T4-WI-Volatile</p> <p>BV-CTD-MOZ-T4-WI-CV</p> <p>BV-CTD-MOZ-T4-WI-MIAS</p> <p>BV-CTD-MOZ-T4-WI-Sulphur</p> <p>BV-CTD-MOZ-T4-WI-Phos</p> <p>BV-CTD-MOZ-T7-WI-Total Moisture</p>

ANNEXURE A

Laboratory Accreditation No: TEST-5 0041 (ISO/IEC 17025:2017)

Issue No: 03

Date of Issue: 02 February 2024

Date of Expiry: 28 August 2024

MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Coal	General Sample Preparation Determination of: <ul style="list-style-type: none"> - Gieseler Analysis - Swelling Index - Size Analysis - Froth Flotation - Float Sink Coarse - Float Sink Fine 	BV-CTD-MOZ-T7-WI-Prep BV-CTD-MOZ-T4-WI-Gieseler Analysis BV-CTD-MOZ-T4-WI-Swelling BV-CTD-MOZ-T7-WI-Size Analysis BV-CTD-MOZ-T7-WI-Froth Flotation BV-CTD-MOZ-T7-WI-F & S-Coarse BV-CTD-MOZ-T7-WI- F & S- Fine

Original date of accreditation: 29 August 2019

Page 2 of 2

Pinkie J Malebe
SADCAS Technical Manager