

# CERTIFICATE OF ACCREDITATION

## BUREAU VERITAS MOZAMBIQUE LIMITADA – VULCAN MOATIZE LABORATORY

*Company Registration No. 14670501/PS/2017*

**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*

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**Eve Christine Gadzikwa**  
**SADCAS Chief Executive Officer**

**Date of renewal of Accreditation** 27 June 2024  
**Effective Date (Issue No: 2):** 06 June 2025  
**Certificate Expires:** 28 August 2029

**ANNEXURE A**  
**SCHEDULE OF ACCREDITATION**

**CHEMICAL ANALYSIS**

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

<p><b><u>Permanent Address of Laboratory</u></b> Bureau Veritas Mozambique Limitada Vulcan Moatize on-site Laboratory Vila Carbomoc-Casa-20 Moatize, Tete Mozambique</p> <p><b><u>Postal Address</u></b> Vulcan Moatize on-site Laboratory Vila Carbomoc-Casa-20 Moatize, Tete Mozambique</p> <p><b>Tel</b> : +258 84 379 7977 <b>Cell</b> : +258 84 334 6789 <b>Email</b> : <a href="mailto:etelvino.santiago@bureauveritas.com">etelvino.santiago@bureauveritas.com</a></p>	<p><b><u>Technical Signatories</u></b> :</p> <p>Mr V S Monteiro (All methods) Mr A Cossa (All methods) Mr G Chafa (All methods) Mr E Nhantumbo (All methods) Mr A A Nhari (All methods) Mr S J Jacob (All methods) Mr F F Mawai (All methods)</p> <p><b><u>Nominated Representative</u></b> : Mr E Santiago</p> <p><b><u>Issue No</u></b> : 02 <b><u>Date of Issue</u></b> : 06 June 2025 <b><u>Expiry Date</u></b> : 28 August 2029</p>	
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Coal	General Sample Preparation  Determination of: - Ash content  - Volatile Matter (VM)  - Calorific Value (CV)  - Moisture in the Analysis Sample  - Total Sulphur	BV-CTD-MOZ-T7-WI-Prep - based on ISO 15283  BV-CTD-MOZ-T4-WI-Ash - based on ISO 1711  BV-CTD-MOZ-T4-WI-Volatile – based on ISO 562  BV-CTD-MOZ-T4-WI-CV – based on ISO 1928  BV-CTD-MOZ-T4-WI-MIAS – based on 11722  BV-CTD-MOZ-T4-WI-Sulphur – based on 19579

## ANNEXURE A

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

Issue No: 02

Date of Issue: 06 June 2025

Date of Expiry: 28 August 2029

MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Coal	<ul style="list-style-type: none"> <li>- Phosphorous</li> <li>- Total Moisture</li> <li>- Gieseler Analysis</li> <li>- Swelling Index</li> <li>- Size Analysis</li> <li>- Froth Flotation</li> <li>- Float Sink Coarse</li> <li>- Float Sink Fine</li> </ul>	<p>BV-CTD-MOZ-T4-WI-Phos – based on ISO 622</p> <p>BV-CTD-MOZ-T7-WI-Total Moisture based on ISO 589</p> <p>BV-CTD-MOZ-T4-WI-Gieseler Analysis based on ISO 10329</p> <p>BV-CTD-MOZ-T4-WI-Swelling – based on ISO 501</p> <p>BV-CTD-MOZ-T7-WI-Size Analysis based on ISO 1953</p> <p>BV-CTD-MOZ-T7-WI-Froth Flotation based on ISO 8858</p> <p>BV-CTD-MOZ-T7-WI-F &amp; S-Coarse based on ISO 7936</p> <p>BV-CTD-MOZ-T7-WI- F &amp; S- Fine based on ISO 7936</p>

Original date of accreditation: 29 August 2019

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**Pinkie J Malebe**  
**SADCAS Technical Manager**