

# CERTIFICATE OF ACCREDITATION

## BUREAU VERITAS MOÇAMBIQUE LDA – NACALA LABORATORY

*Company Registration No. 50071110171/03/17/PS/2016*

**Facility Accreditation Number: TEST-5 0032**

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 C Gadzikwa**  
**SADCAS Chief Executive Officer**

**Date of Renewal of Accreditation: 30 January 2024**  
**Effective Date (Issue No: 1): 30 January 2024**  
**Certificate Expires: 29 January 2029**

**ANNEXURE A**  
**SCHEDULE OF ACCREDITATION**  
**CHEMICAL ANALYSIS**

**Laboratory Accreditation Number: TEST-5 0032 (ISO/IEC 17025:2017)**

<p><b><u>Permanent Address of Laboratory</u></b> Bureau Veritas Moçambique LDA Bairro Chilabane, Átras Dos Correios Nacala-a-Velha-Nampula Moçambique</p> <p><b><u>Tel</u></b> : +258 26 540033 <b><u>Cell</u></b> : +258 84 334 6789 <b><u>Email</u></b> : <a href="mailto:Emily.human@bureauveritas.com">Emily.human@bureauveritas.com</a></p>	<p><b><u>Technical Signatories</u></b> Mr A N Jonathan (All methods) Mr I Ferro (IM, VM, CV, AFT &amp; Sulphur) Mr F Matule (All methods, except MIAS, P<sub>2</sub>O<sub>5</sub> &amp; AFT2) Mr A B Muanangaia (Ash, IM, VM, AFT &amp; Sulphur) Mr I Ferro (IM, VM, CV, AFT &amp; Sulphur)</p> <p><b><u>Nominated Representative</u></b> : Ms E C Human</p> <p><b><u>Issue No</u></b> : 01 <b><u>Date of Issue</u></b> : 30 January 2024 <b><u>Expiry Date</u></b> : 29 January 2029</p>	
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Coal	Sampling Sample Preparation Total Moisture  Moisture in Analysis Sample Ash Content Volatile Matter Total Sulphur Calorific Value Hardgrove Grindability Index Phosphorus in Coal Size Distribution Ash Fusion Temperature in Coal Samples	BV-CTD-MOZ-T7-WI-Sampling (based on ISO 13909-2) BV-CTD-MOZ-T7-WI-Prep (based on ISO 13909-4) BV-CTD-MOZ-T7-WI-Total Moisture (based on ISO 589) BV-CTD-MOZ-T4-WI-MIAS (based on ISO 11722) BV-CTD-MOZ-T4-WI-Ash (based on ISO 1171) BV-CTD-MOZ-T4-WI-Volatile (based on ISO 562) BV-CTD-MOZ-T4-WI-Sulphur (based on ISO 19579) BV-CTD-MOZ-T4-WI-CV (based on ISO 1928) BV-CTD-MOZ-T4-WI-HGI (based on ISO 5074) BV-CTD-MOZ-T4-WI-P <sub>2</sub> O <sub>5</sub> (based on ISO 622) BV-CTD-MOZ-T4-WI-Size Analysis (based on ISO 1953) BV-CTD-MOZ-T4-WI-AFT2 (based on ISO 540 ASTM 1857)

Original date of accreditation: 25 July 2018

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