

# CERTIFICATE OF ACCREDITATION

## **BOTSWANA GEOSCIENCE INSTITUTE - (LOBATSE LABORATORY)**

*Established by the Botswana Geoscience Institute Act (No. 29 of 2014)*

**Facility Accreditation Number: TEST-5 0081**

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**

**Effective Date (Issue No: 1): 21 June 2023**  
**Certificate Expires: 20 June 2028**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

#### CHEMICAL ANALYSIS

Laboratory Accreditation Number: **TEST-5 0081 (ISO/IEC 17025:2017)**

<p><b>Permanent Address of Laboratory</b> Botswana Geoscience Institute Plot 11566 Khama 1 Avenue Lobatse Botswana</p> <p><b>Postal Address</b> Botswana Geoscience Institute Private Bag 0014 Lobatse Botswana</p> <p><b>Tel</b> : +267 5336 792 <b>Cell</b> : + 267 7356 4896 <b>Email</b> : <a href="mailto:mmualefej@bgi.org.bw">mmualefej@bgi.org.bw</a></p>		<p><b>Technical Signatories</b> : Mr T K Pule Mr M Osele Ms N Seope</p> <p><b>Nominated Representative</b> : Ms J N Mmualefe</p> <p><b>Deputy Nominated Representative</b> : Mr V S Dikgomo</p> <p><b>Issue No</b> : 01 <b>Date of Issue</b> : 21 June 2023 <b>Expiry Date</b> : 20 June 2028</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/ PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/ TECHNIQUES USED
Geological Samples (Rocks and Soil)	Major Oxides (CaO, Fe <sub>2</sub> O <sub>3</sub> , MgO, Na <sub>2</sub> O, SiO <sub>2</sub> and TiO <sub>2</sub> )	Zetium XRF (In-house Developed Method)

Original date of accreditation: 21 June 2023

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**Pinkie J Malebe**  
SADCAS Technical Manager