

# CERTIFICATE OF ACCREDITATION

## SGS INSPECTION SERVICES LTD KALULUSHI MINERALS LABORATORY

*Company Registration No: 2005/59164*

**Facility Accreditation Number: TEST-5 0007**

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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**Mrs Pinkie J Malebe  
For Chief Executive Officer**

**Date of Renewal of Accreditation: 02 April 2023  
Effective Date (Issue No: 1): 02 April 2023  
Certificate Expires: 01 April 2028**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

#### CHEMICAL ANALYSIS

Laboratory Accreditation Number: **TEST-5 0007 (ISO/IEC 17025:2017)**

<p><b><u>Permanent Address of Laboratory:</u></b></p> <p>SGS Inspection Services Ltd Kalulushi Mineral Laboratory 2<sup>nd</sup> Shaft, Chibuluma Business Park Kalulushi Zambia</p> <p><b><u>Postal Address</u></b> P O Box 260396 Kalulushi Zambia</p> <p><b><u>Tel</u></b> : + 260 212 7300046 <b><u>Cell</u></b> : + 260 96 611 0811 <b><u>Fax</u></b> : + 260 212 7300045 <b><u>Email</u></b> : <a href="mailto:phyllis.ndashe@sgs.com">phyllis.ndashe@sgs.com</a> <a href="mailto:laboratory.zambia@sgs.com">laboratory.zambia@sgs.com</a></p>		<p><b><u>Technical Signatories</u></b> : Mr E Agbosu (All methods, except ECL 13G/D) Mr M Mfule (All methods) Ms F S Mubambe (All methods, except ECL 13G/D)</p> <p><b><u>Nominated Representative</u></b> : Ms C P Ndashe</p> <p><b><u>Issue No</u></b> : 02 <b><u>Date of Issue</u></b> : 26 September 2023 <b><u>Expiry Date</u></b> : 01 April 2028</p>
MATERIALS/PRODUCTS TESTED	TYPES OF TESTS/PROPERTIES MEASURED, RANGE OF MEASUREMENT	STANDARD SPECIFICATIONS, EQUIPMENT/TECHNIQUES USED
Ore	Analysis of Cu, Co in Ore Grade Samples	AAS 42S
Soils	Analysis of Cu, Co, Ni and Zn in low Grade Soils	AAS 42D
Concentrates & Ores	Analysis of Copper in Concentrates and Ores by Electrolysis	ECL 13G/D

Original date of accreditation: 19 September 2012

Page 1 of 1

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**Pinkie J Malebe**  
SADCAS Technical Manager