

# CERTIFICATE OF ACCREDITATION

## SCIENTIFIC & INDUSTRIAL RESEARCH AND DEVELOPMENT CENTRE NATIONAL METROLOGY INSTITUTE

Company Registration No.10022360

**Facility Accreditation Number: CAL-9 001**

is a SADCAS accredited Calibration 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

### **VOLUME METROLOGY**

*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*

---

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

**Date of Renewal of Accreditation: 13 June 2022**

**Effective Date (Issue No: 1): 13 June 2022**

**Certificate Expires: 12 June 2027**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

#### VOLUME METROLOGY

Laboratory Accreditation Number: **CAL-9 001(ISO/IEC 17025: 2017)**

<p><b>Permanent Address of Laboratory</b> Scientific &amp; Industrial Research and Development Centre National Metrology Institute 1574 Alpes Road, Hatcliffe Harare Zimbabwe</p> <p><b>Postal Address</b> P O Box 6640 Harare Zimbabwe</p> <p><b>Tel</b> : +263 242860346 <b>Cell</b> : +263 712864053 <b>Fax</b> : +263 242860350 <b>Email</b> : <a href="mailto:echaazi@gmail.com">echaazi@gmail.com</a> <a href="mailto:mathewranganai@yahoo.com">mathewranganai@yahoo.com</a> <a href="mailto:mranganai@sirdc.ac.zw">mranganai@sirdc.ac.zw</a> <a href="mailto:bchibaya@sirdc.ac.zw">bchibaya@sirdc.ac.zw</a></p>		<p><b>Technical Signatories</b> : Mr M R Mubaiwa (All Items) Mr B P Gandah (Item 2.2.1)</p> <p><b>Nominated Representative</b> : Mr E Chaazi Mr B Chibaya</p> <p><b>Issue No</b> : 01 <b>Date of Issue</b> : 13 June 2022 <b>Expiry Date</b> : 12 June 2027</p>		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)
2	VOLUME			<b>At SIRDC-NMI</b>
2.2	Laboratory Glassware			
2.2.1	Flasks	Internal:VP01 Reference: SADCAS TR 19, R111-1, ISO 8106-2004(E), EURAMET/cg-18/v.04, ISO 8655 -6	2 ml to 1000 ml	0,015 % + 10 µL
2.2.2	Measuring Cylinders		2 ml to 1000 ml	0,015 % + 10 µL
2.2.3	Pyknometers		2 ml to 1000 ml	0,015 % + 10 µL
2.3	Piston Pipettes			
2.3.1	Micropipettes	Internal: VP02 Reference: SADCAS TR 19, R111-1, EURAMET/cg-18/v.04, ISO 8655 -6	100 µL to 200 µL	0,7 µL
			201 µL to 1000 µL	5 µL
			1001 µL to 10 mL	30 µL

Original date of accreditation: 15 March 2012

Page 1 of 1

The CMC, expressed as an expanded uncertainty of measurement, is stated as the standard uncertainty of measurement multiplied by a coverage factor  $k = 2$ , corresponding to a confidence level of approximately 95%.

\_\_\_\_\_  
**Pinkie J Malebe**  
SADCAS Technical Manager