

# CERTIFICATE OF ACCREDITATION

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

Company VAT. No. 220088617

**Facility Accreditation Number: CAL-8 011**

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

### **MASS 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 subsidiary 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 SADCAS Chief Executive Officer**

**Date of Renewal of Accreditation: 13 June 2022**  
**Effective Date (Issue No: 3): 13 June 2022**  
**Certificate Expires: 12 June 2027**

# ANNEXURE A

## SCHEDULE OF ACCREDITATION

### MASS METROLOGY

Laboratory Accreditation Number: **CAL-8 011 (ISO/IEC 17025:2017)**

| <b><u>Permanent Address of Laboratory</u></b><br>Scientific & Industrial Research and Development<br>Centre - National Metrology Institute<br>1574 Alpes Road, Hatcliffe<br>Harare<br>Zimbabwe   |  |   | <b><u>Technical Signatories</u></b> : Mr E Chaazi (All items)<br>Ms F Chivave (All items)                               |   |
|--|--|---|---|---|
| <b><u>Postal Address</u></b><br>P O Box 6640<br>Harare<br>Zimbabwe   |  |   | <b><u>Nominated Representative</u></b> : Mr E Chaazi  |   |
| <b><u>Tel</u></b> : +263 86 7700 9674<br><b><u>Cell</u></b> : +263 71 286 4053<br><b><u>Email</u></b> : <a href="mailto:echaazi@gmail.com">echaazi@gmail.com</a><br><a href="mailto:mathewranganai@yahoo.com">mathewranganai@yahoo.com</a><br><a href="mailto:mranganai@sirdc.ac.zw">mranganai@sirdc.ac.zw</a> |  |   | <b><u>Issue No</u></b> : 02<br><b><u>Date of Issue</u></b> : 19 August 2024<br><b><u>Expiry Date</u></b> : 12 June 2027 |   |
| ITEM   | MEASURED QUANTITY OR<br>TYPE OF GAUGE OR<br>INSTRUMENT | METHOD  | RANGE OF<br>MEASURED<br>QUANTITY  | CALIBRATION AND<br>MEASUREMENT<br>CAPABILITY EXPRESSED<br>AS AN UNCERTAINTY (±) |
|  |  |   |   | At SIRDc-NMI  |
| 1  | Mass Pieces  | Internal: MP03<br>Reference: OIML<br>R111-1, SADCAS TR 15<br>and SADCAS TR 16 | 1 mg to 100 g   | 0,00002 g to 0,0005 g   |
|  |  |   | 100 g to 1000 g   | 0,0005 g to 0,005 g   |
|  |  |   | 1000 g to 2000 g  | 0,005 g to 0,01 g   |
|  |  |   | 5000 g to 20000 g   | 0,1 g to 0,3 g  |
|  |  |   |   | At SIRDc-NMI and<br>Onsite  |
| 2  | Weighing Instruments<br>- Digital self - indicating    | Internal: MP04<br>Reference: OIML<br>R111-1, SADCAS TR 15<br>and SADCAS TR 16 | 0 g to 300 g  | 0,001 g   |
|  |  |   | 300 g to 30 000 g   | 0,0003 % + 0,1 mg   |

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