

# CERTIFICATE OF ACCREDITATION

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

Company VAT. No. 220088617

**Facility Accreditation Number: CAL-2 003**

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

### **DIMENSIONAL 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*

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**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**  
**DIMENSIONAL METROLOGY**

**Laboratory Accreditation Number: CAL-2 003 (ISO/IEC 17025:2017)**

<b><u>Permanent Address of Laboratory</u></b> Scientific & Industrial Research and Development Centre - National Metrology Institute 1574 Alpes Road, Hatcliffe Harare Zimbabwe  <b><u>Postal Address</u></b> P O Box 6640 Harare Zimbabwe  <b><u>Tel</u></b> : +263 86 770 09674 <b><u>Cell</u></b> : +263 71 286 4053 <b><u>Email</u></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>		<b><u>Technical Signatories</u></b> : Mr B P Gandah (All items)  <b><u>Nominated Representative</u></b> : Mr E Chaazi  <b><u>Issue No</u></b> : 02 <b><u>Date of Issue</u></b> : 19 August 2024 <b><u>Expiry Date</u></b> : 12 June 2027		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)
2	Linear Dimensions			<b>At SIRDc-NMI</b>
2.3	Line Standards			
2.3.1	Precision line Scale	Internal: DP06 Reference: SADCAS TR20; CCL/WG-MRA/GD5	0 to 1000 mm	70 µm
2.3.9	Engineers or Machinist Scale, Steel	Internal: DP06 Reference: SADCAS TR20; CCL/WG-MRA/GD5	0 to 1000 mm	70 µm

Original date of accreditation: 15 March 2012

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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%.

## ANNEXURE A

Laboratory Accreditation No: CAL-2 003 (ISO/IEC 17025:2017)

Issue No: 02

Date of Issue: 19 August 2024

Date of Expiry: 12 June 2027

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )
6	Various Dimensional			<b>At SIRDC-NMI</b>
6.1	Hand Instruments			
6.1.1	External Micrometers	Internal: DP01 Reference: SADCAS TR20; BS870; ISO 3611	0 to 100 mm	(1,2 + 0,021L) $\mu$ m L specified in mm i.e. 1,20 to 3,30 $\mu$ m
6.1.4	Caliper - vernier and digital	Internal: DP02 Reference: SADCAS TR20; ISO3599; ISO6906	0 to 150 mm	13 $\mu$ m
6.1.8	Dial gauge - dial and digital	Internal: DP03 Reference: SADCAS TR20; ISO463	0 to 10 mm	2 $\mu$ m

Original date of accreditation: 15 March 2012

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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%.

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