

CERTIFICATE OF ACCREDITATION

ZAMBIA METROLOGY AGENCY

Established by The Metrology Act No. 6 of 2017

Facility Accreditation Number: CAL-2 005

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*

Ms Eve C Gadzikwa
SADCAS Chief Executive Officer

Date of Renewal of Accreditation 10 October 2023
Effective Date (Issue No: 1): 10 October 2023
Certificate Expires: 09 October 2028

ANNEXURE A
SCHEDULE OF ACCREDITATION
DIMENSIONAL METROLOGY

Laboratory Accreditation Number: CAL-2 005 (ISO/IEC 17025:2017)

<p><u>Permanent Address of Laboratory</u> Zambia Metrology Agency Plot 4526, Lechwe House Freedom Way, South End Lusaka Zambia</p> <p><u>Postal Address</u> P O Box 30989 Lusaka Zambia</p> <p><u>Tel</u> : +260 21 122 2294 <u>Cell</u> : +260 97 777 6062 <u>Fax</u> : +260 21 122 2297 <u>Email</u> : Natasha.sichone@zma.org.zm Mwiya.Nyambe@zma.org.zm Fredrick.Hamutunda@zma.org.zm</p>	<p><u>Technical Signatories</u> : Ms N M Sichone (All items) Mr I Kangwa (All items)</p> <p><u>Nominated Representative</u> : Mr M Nyambe Ms N M Sichone</p> <p><u>Issue No</u> : 01 <u>Date of Issue</u> : 10 October 2023 <u>Expiry Date</u> : 09 October 2028</p>			
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)
2.1	Length Instruments			
2.1.4	Digital Height Measuring Instrument Height Gauge	Internal: <i>MOP 106</i> Reference: <i>ISO 3599, ISO 3611, ISO 6906, BS 887 and SADCAS TR 20</i>	0 to 200 mm 200 to 500 mm 500 to 1000 mm 0 to 1000 mm	10 μ m 15 μ m 20 μ m 25 μ m
2.2	End Standards			
2.2.1	Gauge Blocks	Internal: <i>MOP 101</i> Reference: <i>SADCAS TR 20, KRISS LDM 3, BS 4311, ISO 3650 and EURAMET/cg-02</i>	0.5 to 25 mm Above 25 to 50 mm Above 50 to 100 mm	0.3 μ m 0.3 μ m 0.3 μ m
2.2.2	Length bars		125 to 175 m 200 to 500 mm	1 μ m 30 μ m

Original date of accreditation: 23 April 2019

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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-2 005 (ISO/IEC 17025:2017)

Issue No: 01

Date of Issue: 10 October 2023

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ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)
6.1	Hand Instruments			
6.1.1	External Micrometers	Internal: <i>MOP 109</i> Reference: <i>SADCAS TR 20, BS 870 and ISO 3611</i>	0 to 50 mm above 50 to 500 mm	5 μ m 10 μ m
6.1.4	Calipers	Internal: <i>MOP 102</i> Reference: <i>SADCAS TR 20, ISO 3599, ISO 6906 and BS 887</i>	0 to 1500 mm	25 μ m
6.1.6	Internal Two - Point Micrometers	Internal: <i>MOP 109</i> Reference: <i>SADCAS TR 20, BS 870 and ISO 3611</i>	0 to 50 mm above 50 to 500 mm	1 μ m 10 μ m
6.1.8	Dial Gauges	Internal: <i>MOP 107</i> Reference: <i>SADCAS TR 20, BS 2795 and ISO 463</i>	0 to 10 mm	2 μ m

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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%.

Pinkie J Malebe
SADCAS Technical Manager