

CERTIFICATE OF ACCREDITATION

MALAWI BUREAU OF STANDARDS (METROLOGY)

Established by Malawi Bureau of Standards Act (Cap 51:02)

Facility Accreditation Number: CAL-8 008

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 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*

Eve Christine Gadzikwa
SADCAS Chief Executive Officer

Date of Renewal of Accreditation: 23 January 2024
Effective Date (Issue No: 1): 23 January 2024
Certificate Expires: 22 January 2029

ANNEXURE A

SCHEDULE OF ACCREDITATION

MASS METROLOGY

Laboratory Accreditation Number: **CAL-8 008 (ISO/IEC 17025:2017)**

<p><u>Permanent Address of Laboratory</u> Malawi Bureau of Standards Metrology Services Department Ali Hassan Mwinyi Road Blantyre Malawi</p> <p><u>Postal Address</u> P O Box 946 Blantyre Malawi</p> <p><u>Tel</u> : +265 1870 488 <u>Cell</u> : +265 88 213 0452/99 127 2000 <u>Fax</u> : +265 1870 488 <u>Email</u> : crightonmarorongwe@mbsmw.org ronaldmakhole@mbsmw.org</p>		<p><u>Technical Signatories</u> : Mr T M Munkhondya (All items) Mr S Nelson (Item 1) Mr L Katungwe (Item 2) Mr V Choka (All items) Mr R Makhole (All items) Ms A P Kembo (All items) Mr I Lemison (All items)</p> <p><u>Nominated Representative</u> : Dr S Chalimba</p> <p><u>Deputy Nominated Representative</u> : Mr R Makhole Mr C Marorongwe</p> <p><u>Issue No</u> : 02 <u>Date of Issue</u> : 23 June 2025 <u>Expiry Date</u> : 22 January 2029</p>		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)
1	Electronic Balances	Internal: MOP 003 Reference: SADCAS TR 15 and SADCAS TR 16	0 g – 6000 g	0.0005% + d
2	Mass Pieces	Internal: MOP 002 Reference: SADCAS TR 15 and SADCAS TR 16	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg	0.04 mg 0.04 mg 0.04 mg 0.06 mg 0.07 mg 0.08 mg 0.11 mg 0.14 mg 0.17 mg

ANNEXURE A

Laboratory Accreditation No: CAL-8 008 (ISO/IEC 17025:2017)

Issue No: 02

Date of Issue: 23 June 2025

Date of Expiry: 22 January 2029

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)
2	Mass Pieces	Internal: MOP 002 Reference: SADCAS TR 15 and SADCAS TR 16	1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1000 g 2000 g	0.20 mg 0.27 mg 0.34 mg 0.40 mg 0.54 mg 0.67 mg 1.07 mg 2.00 mg 5.40 mg 10.70 mg 20.00 mg

Original date of accreditation: 25 January 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%.

Pinkie J Malebe
SADCAS Technical Manager