

CERTIFICATE OF ACCREDITATION

BOTSWANA BUREAU OF STANDARDS (TRADE METROLOGY)

Established by the Standards Act Chapter 43:07

Facility Accreditation Number: CAL-8 005

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

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: 28 May 2025
Effective Date (Issue No: 1): 29 May 2025
Certificate Expires: 28 May 2030

ANNEXURE A

SCHEDULE OF ACCREDITATION

MASS METROLOGY

Laboratory Accreditation Number: **CAL-8 005 (ISO/IEC 17025:2017)**

<p>Permanent Address of Laboratory Botswana Bureau of Standards Trade Metrology Plot 55745, Block 8, Airport Road Gaborone</p> <p>Postal Address: Private Bag BO 48 Gaborone Botswana</p> <p>Tel : +267 390 3200 / 5734 Cell : +267 72 496 694 Fax : +267 395 3556 Email : phirinyanea@bobstandards.bw</p>		<p>Technical Signatories : Mr B Kganetso (All items) Mr A A Phirinyane (All items) Mr K Tlhobogang (All items)</p> <p>Nominated Representative : Mr A A Phirinyane</p> <p>Issue No : 01 Date of Issue : 29 May 2025 Expiry Date : 28 May 2030</p>		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)
1	Mass Pieces	Internal: RC.TM.P01.W01 Reference: OIML R111-1 SADCAS TR 15 SADCAS TR 16	1 g to 500 g 1000 g to 2000 g 5 kg to 20 kg	<i>At BOBS-TMU</i>
				0,0001 g to 0,003 g 0,005 g to 0,01 g 0,10 g
2	Weighing Instruments - Digital Self Indicating	Internal: RC.TM.P01.W02 Reference: SADCAS TR 15 SADCAS TR 16	0 g to 500 g 501 g to 2 kg >2 kg to 20 kg	<i>At BOBS-TMU and On-site</i>
				d + 0,000005 % d + 0,0001 % d + 0,001 %

Original date of accreditation: 30 March 2015

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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