

CERTIFICATE OF ACCREDITATION

BOTSWANA BUREAU OF STANDARDS (INDUSTRIAL METROLOGY UNIT)

Established by the Standards Act No. 16 of 1995

Facility Accreditation Number: CAL-14 001

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

TEMPERATURE 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: 30 May 2026
Effective Date (Issue No: 1): 30 May 2026
Certificate Expires: 29 May 2031

ANNEXURE A

SCHEDULE OF ACCREDITATION

TEMPERATURE METROLOGY

Laboratory Accreditation Number: CAL-14 001 (ISO/IEC 17025:2017)

Permanent Address of Laboratory Botswana Bureau of Standards Industrial Metrology Unit Plot 55745, Block 8, Airport Road Gaborone Botswana Postal Address Private Bag BO48 Gaborone Botswana Tel : +267 390 3200/364 5651 Fax : +267 390 3120 Cell : +267 71 384 114 Email : kajane@bobstandards.bw	Technical Signatories : Mr K Tshaila (Items 1, 2, 3 & 4) : Mr N Nkgare (All items) Nominated Representative : Mr T S Kajane Issue No : 01 Date of Issue : 30 May 2026 Expiry Date : 29 May 2031
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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 ($\pm$)
1	Thermocouples - Noble Metals - Base Metals	Internal: IM/EM/TP06 Reference: SANAS TR 19	-30°C to 250°C 250°C to 1000°C -30°C to 250°C 250°C to 1000°C	0.3°C 5.0°C 0.4°C 5.0°C
2	Ice Point Reference	Internal: IM/EM/TP01 Reference: SANAS TR 19	0.0°C	0.02°C
3	Platinum Resistance Thermometers	Internal: IM/EM/TP07 Reference: SANAS TR 19	-40°C to 250°C 50°C to 200°C	0.03°C 0.2°C
4	Thermometers Liquid-in-Glass	Internal: IM/EM/TP02 Reference: SANAS TR 19	-30°C to 250°C	0.16°C

Original date of accreditation: 23 March 2016

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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-14 001 (ISO/IEC 17025:2017)

Issue No: 01

Date of Issue: 30 May 2026

Date of Expiry: 29 May 2031

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ($\pm$)
4	Thermometers Digital	Internal: <i>IM/EM/TP05</i> Reference: <i>SANAS TR 19</i>	-40°C to 250°C 250°C to 1000°C	0.03°C 5.0°C
5	Temperature Installations (Multilocations Over Time Monitoring)	Internal: <i>IM/EM/TP05</i> Reference: <i>SANAS TR 19</i>	-73°C to 950°C	3.0°C
6	On-site Calibration for Items 4 and 5 above			

Original date of accreditation: 23 March 2016

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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