

CERTIFICATE OF ACCREDITATION

NAMIBIAN STANDARDS INSTITUTION (METROLOGY)

A Statutory Body Established by Section 2 of Standards Act 2005 (Act No. 18)

Facility Accreditation Number: CAL-14 006

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*

Mrs Pinkie J Malebe
For SADCAS Chief Executive Officer

Date of Renewal of Accreditation: 28 February 2023
Effective Date (Issue No: 1): 28 February 2023
Certificate Expires: 27 February 2028

ANNEXURE A

SCHEDULE OF ACCREDITATION

TEMPERATURE METROLOGY

Laboratory Accreditation Number: **CAL-14 006 (ISO/IEC 17025:2017)**

<u>Permanent Address of Laboratory</u> Namibian Standards Institution Metrology Department 205 Gold Street, Prosperita Windhoek Namibia <u>Postal Address</u> P O Box 26364 Windhoek Namibia <u>Tel</u> : +264 61 386 470/2 <u>Cell</u> : +264 81 261 3694 <u>Fax</u> : +264 61 386 477 <u>Email</u> : matalis@nsi.com.na		<u>Technical Signatories</u> : Mr S S Sankwasa (All items) Mr S Matali (Items 1, 3, 4) Ms L Katanga (All items) <u>Nominated Representative</u> : Mr S Matali <u>Issue No</u> : 02 <u>Date of Issue</u> : 13 May 2024 <u>Expiry Date</u> : 27 February 2028			
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	
1	Digital Thermometry	Internal: MTPI 006 Reference: SADCAS TR 26	-30 °C to 125 °C	At NSI 0.1 °C	Onsite 0.3 °C
			125 °C to 450 °C	0.1 °C	0.3 °C
2	Liquid in Glass Thermometry	Internal: MTPI 007 Reference: OIML R 133, SADCAS TR 26	-40 °C to 0 °C	At NSI 0.25 °C	
			0 °C to 150 °C	0.2 °C	
3	Temperature Installations (Single Location)	Internal: MTPI 016 Reference: SADCAS TR 26	-30 °C to 0 °C	At NSI & On-site 2 °C	
			0 °C to 10 °C	1 °C	
			10 °C to 40 °C	0.4 °C	
			40 °C to 80 °C	0.8 °C	
			80 °C to 450 °C	1 °C	

ANNEXURE A

Laboratory Accreditation No: CAL- 14 006 (ISO/IEC 17025:2017)

Issue No: 02

Date of Issue: 13 May 2024

Date of Expiry: 27 February 2028

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)
4	Isothermal Media (Multi-location Mapping)	Internal: MTPI 016 Reference: SADCAS TR 26		At NSI & On-site
			-30 °C to 0 °C	2 °C
			0 °C to 10 °C	1 °C
			10 °C to 40 °C	0.4 °C
			40 °C to 80 °C	0.8 °C
			80 °C to 450 °C	1 °C

Original date of accreditation: 20 February 2013
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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