CERTIFICATE OF ACCREDITATION

In terms of section 22(2) (b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

MONTECH CALIBRATION SERVICES (PTY) LTD

Co. Reg. No.: 2014/182132/07

TEMPERATURE CALIBRATION LABORATORY

Accreditation Number: **CAL 071-03-00**

is a South African National Accreditation System accredited Calibration laboratory provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying scope of accreditation Annexure "A", bearing the above accreditation number for

TEMPERATURE METROLOGY

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2017

The accreditation demonstrates technical competency for a defined scope and the operation of a laboratory quality management system

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

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Mr F Osman
Acting Chief Executive Officer

Effective Date: 10 March 2026
Certificate Expires: 09 March 2031

ANNEXURE A

SCOPE OF ACCREDITATION

TEMPERATURE METROLOGY

Accreditation Number: CAL 071-03-00

Permanent Address of Laboratory:
Montech Calibration Services (Pty) Ltd
Temperature Calibration Laboratory
77 Fabriek Street
Strydompark
Randburg
2169

Postal Address:
Postnet Suite 266
Private Bag x21
Bryanston
2021

Tel: (011) 464-5071
Cell: 072 779 4076
E-mail: seola@moncal.co.za

Technical Signatories: Mrs S Targett
Mr C Rabulanyana (All Items excl.3.2.1)

Nominated Representative: Mrs S Targett

Issue No.: 09
Date of Issue: 10 March 2026
Expiry Date: 09 March 2031

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	METHOD / PROCEDURE
1	**THERMOMETRY**			
1.1	**Thermocouples**			
1.1.2	Base Metal	- 20 °C to 100 °C 100 °C to 600 °C	0,5 K 1,2 K	Calibration by comparison with a reference thermometer in a bath, drywell or furnace.
1.2	**Resistance Thermometers**			
1.2.1	Platinum Resistance Thermometers (PT100)	- 20 °C to 100 °C 100 °C to 600 °C	0,2 K 0,3 K	Calibration by comparison with a reference thermometer in a bath, drywell or furnace.
1.3	**Thermometers**			
1.3.1	Liquid-in-glass	- 20 °C to 80 °C 150 °C to 200 °C	0,4 K 0,5 K	Calibration by comparison with a reference thermometer in a bath, drywell or furnace.
1.3.2	Digital Thermometers	- 80 °C to 80 °C 80 C to 600 °C	0,4 K 0,5 K	
1.3.5	Radiation Thermometers	- 21 °C to 50 °C 50 °C to 250 °C 250 °C to 500 °C	1,2 K 1,5 K 2,2 K	Calibration using a radiation source and reference thermometer.

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%

Accreditation Manager

ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	METHOD / PROCEDURE
1.4	**Reference Temperature Sources**			
1.4.1	Ice Point Reference	0,00°C	0.1 K	Prepared in a thermally insulated flask using distilled water and Ice.
1.5	**Temperature Measuring & Recording**			
1.5.1	Thermo Hygrograph	0 °C to 60 °C	1,0 K	Calibration in chamber against reference thermometer.
1.5.2	Data Loggers	- 80 °C to 60 °C 60 °C to 140 °C	0,2 K 0,3 K	
3	**TEMPERATURE SOURCES**			
3.2	**Environmental Monitors**			
3.2.1	Heat / Cold Stress Monitors (WBGT Monitors)	0 °C to 60 °C	0,4 K	By comparison to a reference thermometer in a chamber or bath.
4	**TEMPERATURE INSTALLATIONS AND DEVICES**			
4.1	**Iso-thermal Media evaluation (multi location over time monitoring)**			
4.1.2	Environmental Chambers	- 80 °C to 50 °C	1,0 K	Calibration by temperature mapping over time using reference thermometers and/or loggers.
4.1.3	Furnaces / Drying Ovens			
4.1.4	Fridges / Freezers			
4.1.5	Incubators			
4.1.6	Liquid Baths			
4.2	**Temperature Installations (single location)**			
4.2.1	Furnaces, Ovens	50 °C to 200 °C 200 °C to 600 °C	1.2 K 2 K	By comparison to a reference thermometer located at an appropriate location within the device or installation.
4.2.3	Incubators			
4.2.4	Liquid baths			
4.2.5	Other Industrial Installations			
5	On-site calibration for items 4.1 and 4.2 above			

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%

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager