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South African National Accreditation System

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:-

DM LABORATORY SUPPLIES CC
Co. Reg. No.: 1996/023347/23

TRADING AS
LABTRONIC
TEMPERATURE CALIBRATION LABORATORY

Accreditation Number: **CAL 024-03-00**

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

Mr M Phaloane
Acting Chief Executive Officer

Effective Date: 15 April 2024
Certificate Expires: 18 June 2027

ANNEXURE A

SCOPE OF ACCREDITATION

TEMPERATURE METROLOGY

Accreditation Number: CAL 024-03-00

Permanent Address of Laboratory:
DM Laboratory Supplies CC; t/a Labtronic
Temperature Calibration Laboratory
9 Paulus Street
Kamma Park
Port Elizabeth
6070

Postal Address:
P O Box 28761
Sun Ridge Park
Port Elizabeth
6008

Tel: (041) 379-4620
Fax: 086 556 4027
E-mail: labtronic@mweb.co.za

Technical Signatories: Mr D van Tonder
Mr SJ van Tonder

Nominated Representative: Mrs M van Tonder

Issue No.: 15
Date of Issue: 15 April 2024
Expiry Date: 18 June 2027

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	- 40 °C to 200 °C 200 °C to 350 °C	1,0 K 1,5 K	Calibration by comparison with a reference thermometer in a bath, drywell or furnace.
1.3	**Thermometers**			
1.3.1	Liquid-in-glass	- 40 °C to 180 °C 180 °C to 350 °C	0,4 K 1,5 K	Calibration by comparison with a reference thermometer in a bath, drywell or furnace.
1.3.2	Digital Thermometers	- 40 °C to 200 °C 200 °C to 350 °C	0,4 K 1,5 K	
1.3.5	Radiation Thermometers	- 40 °C to 250 °C	5,0 K	Calibration using a radiation source and reference thermometer.
1.4	**Reference Temperature Sources**			
1.4.1	Ice Point Reference	0,0 °C	0,1 K	Prepared in a thermally insulated flask using distilled water and Ice.
1.5	**Temperature Measuring and Recording**			
1.5.2	Data Loggers	- 40 °C to 200 °C 200 °C to 350 °C	0,4 K 1,5 K	Calibration in a chamber or liquid bath against a reference thermometer.

Original Date of Accreditation: 01 October 2002

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