sanas
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

MASS AND VOLUME CALIBRATION LABORATORY

Accreditation Number: **CAL 024-14-00**

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

MASS AND VOLUME 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

MASS AND VOLUME METROLOGY

Accreditation Number: CAL 024-14-00

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

Postal Address:
Postnet Suite 111
Private Bag X0002
Sunridge Park
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	**MASS**			
1.1	**Mass Standard**			
1.1.1	Mass Standard (Weights <100 kg)	1 mg to 10 g 10 g to 20 kg	0,2 mg 0,002 %	Calibration using the single substitution method
1.2	**Weighing Equipment**			
1.2.1	Digital Self Indicating (Incl. balances and scales)	0,1 g to 100 kg 100 kg to 1 200 kg	0,5 mg + 0,002 % 0,003 %	Evaluation of linearity, eccentricity and repeatability using standard weights
3	**VOLUME**			
3.1	**Volume dispensers**			
3.1.1	Piston Pipettes < 100 µℓ	0,2 µℓ to 10 µℓ 10 µℓ to 100 µℓ	0,2 µℓ 0,6 µℓ	Gravimetric Method based on ISO 8655-1 delivered volume
3.1.2	Piston Pipettes > 100 µℓ	100 µℓ to 1 000 µℓ 1 001 µℓ to 10 000 µℓ	0,6 µℓ 0,6 µℓ + 0,004 %	
3.2	**Laboratory Glassware**			
3.2.3	Flasks, Measuring Cylinders and pycnometers	5 ml to 5 000 ml	0,1 %	Gravimetric method delivered and contained volume
4	On-site calibration for items 1 and 3 above			

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%

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Accreditation Manager