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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:-

SAF LAB (PTY) LTD
Co. Reg. No.: 2018/336515/07
MASS AND VOLUME CALIBRATION LABORATORY

Accreditation Number: **CAL 082-14-00**

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 F Osman
Acting Chief Executive Officer

Effective Date: 23 July 2025
Certificate Expires: 05 July 2030

ANNEXURE A

SCOPE OF ACCREDITATION

MASS AND VOLUME METROLOGY

Accreditation Number: CAL 082-14-00

Permanent Address of Laboratory:
SAF LAB (Pty) Ltd
Mass and Volume Calibration Laboratory
No. 14 Hopson Avenue
Durban
4001

Postal Address:
P O Box 1167
Westville
1686

Tel: (031) 201-3584

E-mail: miranda@saflab.co.za

Technical Signatory: Ms M Lea

Nominated Representative: Ms M Lea

Issue No.: 03
Date of Issue: 23 July 2025
Expiry Date: 05 July 2030

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 5 g 5 g to 20 g 20 g to 200 g 200 g to 2,0 kg 2,0 kg to 20 kg	0,08 mg 0,001 % 0,000 8 % 0,004 % 0,006 %	Calibration using the single substitution method
1.2	**Weighing Equipment**			
1.2.1	Digital self indicating (Incl. balances and scales)	0 g to 5 g 5 g to 150 g 150 g to 1 kg 1 kg to 20 kg 20 kg to 160 kg 160 kg to 500 kg 500 kg to 1 000 kg	0,08 mg 0,000 7 % + 0,1 mg 0,003 % 0,007 % 0,01 % 0,05 % 0,1 %	Evaluation of linearity, eccentricity and repeatability using standard weights
2	**DENSITY**			
2.2	**Density of Liquid**			
2.2.1	Density Measuring Device (Hydrometers)	0,63 g/cm^3 to 1,2 g/cm^3	0,01 g/cm^3	Suspension in standard liquid of known or determined density
3	**VOLUME**			
3.1	**Volume dispensers**			
3.1.1 3.1.2	Piston Pipettes < 100 µℓ Piston Pipettes > 100 µℓ	2 µℓ to 10 µℓ 10 µℓ to 100 µℓ 100 µℓ to 1 000 µℓ 1 000 µℓ to 10 000 mℓ	0,8 µℓ 1,6 µℓ 5,0 µℓ 30 µℓ	Gravimetric Method based on ISO 8655-1 delivered volume
4	On-Site calibration for the items 1.2.1 above			

Original Date of Accreditation: 15 December 2021

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