



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

Accreditation Number: 1482

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 & 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 T Baleni
Acting Chief Executive Officer

Effective Date: 19 May 2023
Certificate Expires: 05 July 2025



ANNEXURE A

SCOPE OF ACCREDITATION

MASS AND VOLUME METROLOGY

Accreditation Number: 1482

Permanent Address of Laboratory: SAF LAB (Pty) Ltd Mass & Volume Calibration Laboratory No. 14 Hopson Avenue Durban 4001. Postal Address: P O Box 1167 Westville 3630 Tel: (031) 201-3584 E-mail: miranda@saflab.co.za		Technical Signatory: Ms M Lea Nominated Representative: Ms M Lea Issue No. 02 Date of issue: 19 May 2023 Expiry date: 05 July 2025		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	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 1 000 kg	0,08 mg 0,000 7 % + 0,1 mg 0,003 % 0,007 % 0,01 % 0,05 %	Evaluation of linearity, eccentricity and repeatability using standard weights.
2	DENSITY			
2.2	Density of liquid			
2.2.1	Density measuring device, hydrometer	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	Piston Pipettes < 100 μ l	2 μ L to 10 μ L 10 μ L to 100 μ L	0,8 μ L 1,6 μ L	Gravimetric Method based on ISO 8655-1 delivered volume.
3.1.2	Piston Pipettes > 100 μ l	100 μ L to 1000 μ L 1 000 μ L to 10 000 μ L	5,0 μ L 30 μ L	
4	On-Site calibration of Item 1.2.1 above			

Original date of accreditation: 15 December 2021

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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%

ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM


 Accreditation Manager