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:-

UNITED SCIENTIFIC (PTY) LTD

Co. Reg No: 1998/008803/07

Accreditation Number: **1495**

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 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 T Baleni
Acting Chief Executive Officer

Effective Date: 12 April 2022
Certificate Expires: 11 April 2027

ANNEXURE A

SCHEDULE OF ACCREDITATION

MASS METROLOGY

Accreditation Number: 1495

Permanent Address of Laboratory:
United Scientific (Pty) Ltd
Unit BP2
16 Wessel Geldenhuys Street
Brackenfell Industrial
Cape Town
7460

Postal Address:
PO Box 505
Goodwood
Cape Town
7459

Tel: 021 592 5240
Cell: 072 917 6674
E-mail: richard@united-scientific.co.za

Technical Signatory: Mr GB Mamaila

Nominated Representative: Mr RH Anderson

Issue No.: 02
Date of Issue: 03 May 2022
Expiry Date: 11 Aprl 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 Pieces	1 mg to 200 g 200 g to 20 kg	0,002 % + 0,1 mg 0,003 % + 0,5 g	Calibration using the single substitution method.
1.2	**Weighing Equipment**			
1.2.1	Digital Self Indicating	1 mg to 100 g 100 g to 220 g 220 g to 2,0 kg 2,0 kg to 30 kg	0,000 2 % + 0,1 mg 0,000 2 % + 0,1 mg 0,000 2 % + 5,0 mg 0,006 %	Evaluation of Linearity, eccentricity and repeatability using standard weights.
3	**VOLUME**			
3.1	**Volume dispensers**			
3.1.1	Piston Pipettes < 100 µℓ	1 µℓ to 10 µℓ 10 µℓ to 100 µℓ	0,3 µℓ 0,5 µℓ	Gravimetric Method based on ISO 8655-1 delivered volume or Photometric Method based on ISO 8655-7
3.1.2	Piston Pipettes > 100 µℓ	100 µℓ to 1 000 µℓ 1 000 µℓ to 10 000 µℓ	0,4 % 0,4 %	
2	On site Calibration Item 1 and 1.2			

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