



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:-

MICRON LABORATORY SERVICES (PTY) LTD

Co. Reg. No.: 2017/365305/07

MASS CALIBRATION LABORATORY

Accreditation Number: 1409

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

Ms FS Radebe

Acting Chief Executive Officer

Effective Date: 01 August 2022

Certificate Expires: 31 July 2027



ANNEXURE A
SCOPE OF ACCREDITATION
MASS METROLOGY

Accreditation Number: 1409

<p>Permanent Address of Laboratory: Micron Laboratory Services (Pty) Ltd Mass Calibration Laboratory 9 Beatty Avenue Witbank 1039</p> <p>Postal Address: Postnet Suite 139 Private Bag X 7260 Witbank 1035</p> <p>Tel: (013) 690-1532 Fax: (013) 656-1000 Mobile: 082 555 6508 E-mail: brenden@mlabs.co.za</p>	<p>Technical Signatory: Mr R B Howell</p> <p>Nominated Representative: Mr R B Howell</p> <p>Issue No.: 15 Date of Issue: 01 August 2022 Expiry Date: 31 July 2027</p>
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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 10 mg 10 mg to 100 mg 100 mg to 1 g 1 g to 10 g 10 g to 50 g 50 g to 100 g 100 g to 200 g 200 g to 1 kg 1 kg to 10 kg 10 kg to 20 kg	4 μ g 6 μ g 12 μ g 30 μ g 50 μ g 0,1 mg 0,2 mg 2,0 mg 20 mg 0,2 g	Calibration using the single substitution method.
1.2	Weighing Equipment			
1.2.1	Digital Self Indicating	0 g to 1 g 1 g to 10 g 10 g to 200 g 200 g to 1 kg 1 kg to 5 kg 5 kg to 30 kg 30 kg to 100 kg 100 kg to 1 000 kg	20 μ g 50 μ g 0,00012 % 0,0003 % 0,0006 % 0,001 % 0,005 % 0,01 %	Evaluation of linearity, eccentricity and repeatability using standard weights.
1.2.2	Mechanical Self Indicating	100 kg to 1 000 kg	0,03 %	
1.2.4	Non and Semi-Self Indicating	100 kg to 1 000 kg	0,03 %	
2	On-site calibration of items 1.1 & 1.2 above			

Original Date of Accreditation: 1994

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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