



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:-

CLOVER SCALES (PTY) LTD
Co. Reg. No.: 1988/003029/07

Accreditation Number: **1457**

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

Mr T Baleni
Acting Chief Executive Officer

Effective Date: 01 December 2022
Certificate Expires: 30 November 2027



ANNEXURE A

SCOPE OF ACCREDITATION

MASS METROLOGY

Accreditation Number: 1457

<u>Permanent Address of Laboratory:</u> Clover Scales (Pty) Ltd 2 Kya Sand Road Kya Sands Randburg		<u>Technical Signatories:</u> Mr AJ Rivalland Mrs S Schemel Mr Q Miya		
<u>Postal Address:</u> P O Box 1474 Northriding 2162		<u>Nominated Representative:</u> Mr AJ Rivalland		
Tel: (011) 462-3216 Fax: (011) 462-1936 E-mail: tony@cloverscales.co.za		Issue No.: 13 Date of Issue: 01 December 2022 Expiry Date: 30 November 2027		
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 < 100kg)	1 mg to 10 mg 20 mg to 1 g 2 g to 5 g 10 g to 20 g 50 g to 1 kg 2 kg to 19,9 kg 20 kg 50 kg to 100 kg	0,05 mg 0,1mg 0,005 % 0,002 % 0,0006 % 0,002 % 0,0025 % 0,006 %	Calibration using the single substitution method.
1.1.2	Mass Standard (Weights > 100 kg)	100 kg to 1 000 kg	0,006 %	
1.2	Weighing Instruments			
1.2.1	Digital Self Indicating	0 to 50 g	0,5 mg	Evaluation of Linearity, Repeatability and Eccentricity using Standard Weights.
1.2.2	Mechanical Self Indicating	50 g to 620 g	0,001 %	
1.2.4	Mechanical Non-Self Indicating	620 g to 10 500 g	0,003 %	
1.2.4		10,5kg to 33 kg	0,005 %	
1.2.4		33kg to 2000 kg	0,02 %	
2	On-site calibration of item of 1.1 (\geq 20kg) and item 1.2			

Original Date of Accreditation: 30 November 2007

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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

