



## 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:-*

### **LOADCELL MANUFACTURING AND SERVICES (PTY) LTD**

**Co. Reg. No.: 1972/000013/07**

**TRADING AS**

### **ROUTE CALIBRATION SERVICES**

**Accreditation Number: CAL 122-14-00**

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 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: 02 April 2026**  
**Certificate Expires: 01 April 2031**



## ANNEXURE A

## SCOPE OF ACCREDITATION

## MASS METROLOGY

Accreditation Number: CAL 122-14-00

|                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>Permanent Address of Laboratory:</b><br>Loadcell Manufacturing and Services (Pty) Ltd<br>T/A Route Calibration Services<br>359 Soutter Street<br>Pretoria West<br>0183<br><br><b>Postal Address:</b><br>P O Box 19104<br>Pretoria West<br>0117<br><br>Tel: (012) 327-7312/4<br>Fax: (012) 327-7470<br>E-mail: <a href="mailto:admin@route Calibration.co.za">admin@route Calibration.co.za</a> |  | <b>Technical Signatory:</b> Ms S van Vuuren<br><br><br><b>Nominated Representative:</b> Ms S van Vuuren<br><br><br>Issue No.: 18<br>Date of Issue: 02 April 2026<br>Expiry Date: 01 April 2031 |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

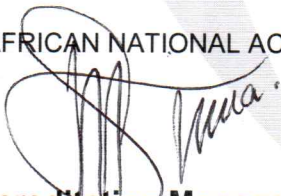
| ITEM  | MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT | RANGE OF MEASURED QUANTITY                                                                                                     | CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )               | METHOD / PROCEDURE                                                                                                               |
|-------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1     | <b>MASS</b>                                      |                                                                                                                                |                                                                                            |                                                                                                                                  |
| 1.1   | <b>Mass Standard</b>                             |                                                                                                                                |                                                                                            |                                                                                                                                  |
| 1.1.1 | Mass Pieces<br>(Weights < 100kg)                 | 1 mg to 2 g<br>2 g to 5 g<br>5 g to 20 g<br>20 g to 50 g<br>50 g to 100 g<br>100 g to 1 kg<br>1 kg to 20 kg<br>20 kg to 100 kg | 0,12 mg<br>0,0015 %<br>0,0008 %<br>0,0007 %<br>0,00064 %<br>0,0006 %<br>0,0011 %<br>0,01 % | Calibration using the single substitution method.                                                                                |
| 1.1.2 | (Weights > 100kg)                                | 100 kg to 500 kg                                                                                                               | 0,01 %                                                                                     |                                                                                                                                  |
| 1.2   | <b>Weighing Equipment</b>                        |                                                                                                                                |                                                                                            |                                                                                                                                  |
| 1.2.1 | Digital Self Indicating                          | 0 g to 10 g<br>10 g to 1 kg<br>1 kg to 2 kg                                                                                    | 0,08 mg<br>0,00017 %<br>0,0017 %                                                           | Evaluation of Linearity, eccentricity and repeatability using standard weights, and where required, make-up weight above 500 kg. |
| 1.2.5 | Weighbridges                                     | 2 kg to 20 kg<br>20 kg to 80 000 kg                                                                                            | 0,0025 %<br>0,016 %                                                                        |                                                                                                                                  |
| 2     | On site Calibration Item 1.1 and 1.2             |                                                                                                                                |                                                                                            |                                                                                                                                  |

Original Date of Accreditation: 01 April 2000

Page 1 of 1

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