

# CERTIFICATE OF ACCREDITATION

## TANZANIA BUREAU OF STANDARDS (METROLOGY LABORATORY)

*Established by the Standards Act No. 2 of 2009*

**Facility Accreditation Number: CAL-5 004**

is a SADCAS accredited Calibration Laboratory  
provided that all SADCAS conditions are complied with

This certificate is valid as per the scope stated in the accompanying schedule of accreditation,  
Annexure "A", bearing the above accreditation number for

### **FORCE METROLOGY**

*The facility is accredited in accordance with the recognized International Standard*

### **ISO/IEC 17025:2017**

*The accreditation demonstrates technical competency for a defined scope and the operation  
of a laboratory quality management system*

*SADCAS is a subsidiarity organization of SADC. A memorandum of understanding between SADC and  
SADCAS serves as the basis for the recognition of SADCAS by SADC Member States  
as a multi-economy accreditation body*

---

**Eve Christine Gadzikwa**  
**SADCAS Chief Executive Officer**

**Effective Date (Issue No: 1): 16 February 2026**  
**Certificate Expires: 15 February 2031**

## ANNEXURE A

### SCHEDULE OF ACCREDITATION

#### FORCE METROLOGY

Laboratory Accreditation Number: **CAL-5 004 (ISO/IEC 17025:2017)**

<p><b>Permanent Address of Laboratory</b> Tanzania Bureau of Standards Metrology Laboratory Morogoro/Sam Nujoma Road, Ubungo Dar es Salaam Tanzania</p> <p><b>Postal Address</b> P O Box 9524 Dar es Salaam Tanzania</p> <p><b>Tel</b> : +255 22 245 0206 <b>Cell</b> : +255 78 480 6143 <b>Fax</b> : +255 22 245 0959 <b>Email</b> : <a href="mailto:joseph.mahilla@tbs.go.tz">joseph.mahilla@tbs.go.tz</a></p>		<p><b>Technical Signatories</b> : Mr V Panga (All items) Mr J Yarrot (All items) Mr G Augustino (All items)</p> <p><b>Nominated Representative</b> : Mr J J Mahilla</p> <p><b>Issue No</b> : 01 <b>Date of Issue</b> : 16 February 2026 <b>Expiry Date</b> : 15 February 2031</p>		
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )
				<b>At TBS</b>
1	Compression Machine (Uniaxial)	Internal: TBS/DTM/MET - FOR-01 Reference: SANAS TR 42; SANAS TR 43	0 – 200 kN 200 – 400 kN 400 – 800 kN 800 – 1600kN 1600 – 2000kN	0.64% 0.57% 0.48% 0.36% 0.27%
2	Tensile	Internal: TBS/DTM/MET - FOR-01 Reference: SANAS TR 42; SANAS TR 43	0 – 20kN 20 – 40kN 40 – 60kN 60 – 80kN 80 – 100kN	0.68% 0.58% 0.70% 0.45% 0.41%

Original date of accreditation: 16 February 2026

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%.

\_\_\_\_\_  
**Pinkie J Malebe**  
**SADCAS Technical Manager**