

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)

<u>Permanent Address of Laboratory</u> Tanzania Bureau of Standards Metrology Laboratory Morogoro/Sam Nujoma Road, Ubungo Dar es Salaam Tanzania			<u>Technical Signatories</u> : Mr V Panga (All items) Mr J Yarrot (All items) Mr G Augustino (All items)	
<u>Postal Address</u> P O Box 9524 Dar es Salaam Tanzania			<u>Nominated Representative</u> : Mr J J Mahilla	
<u>Tel</u> : +255 22 245 0206 <u>Cell</u> : +255 78 480 6143 <u>Fax</u> : +255 22 245 0959 <u>Email</u> : joseph.mahilla@tbs.go.tz ;			<u>Issue No</u> : 01 <u>Date of Issue</u> : 16 February 2026 <u>Expiry Date</u> : 15 February 2031	
ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)
				At TBS
1	Compression Machine (Uniaxial Machines)	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

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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%.

Victor R Mundembe
For SADCAS Technical Manager