CERTIFICATE OF ACCREDITATION

TANZANIA BUREAU OF STANDARDS (METROLOGY LABORATORY)

Established by the Standards Act No. 2 of 2009

Facility Accreditation Number: CAL-9 005

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

VOLUME 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

Date of Renewal of Accreditation **11 February 2026**
Effective Date (Issue No: 1): **16 February 2026**
Certificate Expires: **15 February 2031**

ANNEXURE A

SCHEDULE OF ACCREDITATION

VOLUME METROLOGY

Laboratory Accreditation Number: CAL-9 005 (ISO/IEC 17025:2017)

Permanent Address of Laboratory
Tanzania Bureau of Standards
Metrology Laboratory
Morogoro/Sam Nujoma Road, Ubungo
Dar es Salaam
Tanzania

Postal Address
P O Box 9524
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Email : joseph.mahilla@tbs.go.tz

Technical Signatories : Mr V A Panga (Item 1)
Ms E E Kamala (All items)
Ms Z G Juma (Items 2 & 3)

Nominated Representative : Mr J J Mahilla

Issue No : 01
Date of Issue : 16 February 2026
Expiry Date : 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	Piston Pipettes	Internal: *MET-VOL-04* Reference: *Measurement Good Practice Guide No. 69, NPL, UK;* *SADCAS TR 19*	5 µℓ to 100 µℓ 100 µℓ to 250 µℓ 250 µℓ to 500 µℓ 500 µℓ to 1 000 µℓ 1 000 µℓ to 3 000 µℓ 3 000 µℓ to 5 000 µℓ 5 000 µℓ to 10 000 µℓ	1.0 µℓ 2.0 µℓ 4.0 µℓ 8.0 µℓ 20 µℓ 40 µℓ 60 µℓ
2	Glassware	Internal: *MET-VOL-01; MET-VOL-02* Reference: *SADCAS TR 19* *ISO 8106-2004 (E)*	1 mℓ to 5 mℓ 5 mℓ to 50 mℓ 50 mℓ to 250 mℓ 250 mℓ to 1000 mℓ 1 000 mℓ to 5 000 mℓ	0.05 mℓ 0.10 mℓ 0.20 mℓ 0.50 mℓ 2.0 mℓ
3	Metal Strike Measures	Internal: *MET-VOL-01* Reference*: SADCAS TR 19*	1 000 mℓ to 2 000 mℓ 5 000 mℓ	2.0 mℓ 4.0 mℓ

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