

CERTIFICATE OF ACCREDITATION

PANGOLIM PRESTAÇÃO DE SERVIÇOS LIMITADA

Company Registration No. 2019-330

Facility Accreditation Number: CAL-9 008

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

Effective Date (Issue No: 1): 29 September 2025
Certificate Expires: 28 September 2030

ANNEXURE A
SCHEDULE OF ACCREDITATION
VOLUME METROLOGY

Laboratory Accreditation Number: CAL-9 008 (ISO/IEC 17025:2017)

<p>Permanent Address of Laboratory Pangolim Prestação de Serviços Limitada Unit 6, Bizpark Viana Cacuaco-Benfica Luanda Angola</p> <p>Postal Address Unit 6, Bizpark Viana Cacuaco-Benfica Luanda, Angola</p> <p>Tel : +244 93 598 6940 Cell : +44 79 3583 4346 (UK) Email : joseph.mahilla@tbs.go.tz</p>	<p>Technical Signatories : Mr A Swanepoel (All Items)</p> <p>Nominated Representative : Mr G Dinkelman</p> <p>Issue No : 01 Date of Issue : 29 September 2025 Expiry Date : 28 September 2030</p>
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ITEM	MEASURED QUANTITY OR TYPE OF GAUGE OR INSTRUMENT	METHOD	RANGE OF MEASURED QUANTITY	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)
				At Pangolim Lab and Client Site
1	Metal Measures	Internal Procedure: IT.LAB.002.01 References: ISO 8222	10L – 150L 151 – 1,500L	±0.015% ±0.010%
2	Metal Measures	Internal Procedure: IT.LAB.003.01 References: ISO 8222	10L – 150L 151 – 1,500L	±0.022% ±0.020%
3	Pipe Prover	Internal Procedure: IT.LAB.007 Reference: ISO 7278-2-2020	40L – 500L	±0.015%
4	Compact Prover	Internal Procedure: IT.LAB.008.01 Reference: ISO 7278-2-2020 Reference: ISO 7278-2-2020	6inch – 24inch	±0.03%
5	Pipe Prover	Internal Procedure: IT.LAB.005.01 Internal Procedure: IT.LAB.006.01 References: ISO 7278-2-2020	2inch to 36inch	±0.030%
	Add conversion from inch to meters			

Original date of accreditation: 29 September 2025

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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%.

Pinkie J Malebe
SADCAS Technical Manager