



CERTIFICATE OF ACCREDITATION

This is to certify that

***THE METROLOGY UNIT
OF
THE MAURITIUS STANDARDS BUREAU (MSB)***

Calibration Laboratory No. C002

is accredited by the ***Mauritius Accreditation Service (MAURITAS)***
for the following Calibration fields:

***MASS
DIMENSIONAL CALIBRATION
&
TEMPERATURE***
as per scope of schedule of accreditation

**THIS LABORATORY MEETS THE REQUIREMENTS OF ISO/IEC
17025:2017**

This accreditation demonstrates technical competency for a defined scope and the operation of a laboratory quality management system and shall remain in force subject to continuing compliance with MAURITAS accreditation criteria, ISO/IEC 17025:2017 and any further requirements specified by MAURITAS

Issue Date: 12 September 2022

Director of MAURITAS

This certificate is valid only when accompanied by its schedule of Accreditation.



**Schedule of Accreditation
Laboratory No C002
(accredited to ISO/IEC 17025:2017)**

Permanent Address of Laboratory:

Mauritius Standards Bureau
Villa Road
MOKA

Postal Address:

Mauritius Standards Bureau
Villa Road
MOKA

Tel No.: (230) 433 3648

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Technical Signatories:

For Mass and Dimensional Calibration:
Mrs Vaneeda Radha Ramasawmy Pallut

For Dimensional Calibration:

Miss Jayaluxmi Dawoolut

For Temperature:

Mr. Christian Ng Ha Kwong
Mr. Muhammad Umayr Chutoo

For Mass Pieces and Non-Automatic
Weighing Instrument:

Mr. Tomeswar Pryam

Issue No: 03

Expiry Date: 11 September 2026

	<i>Measured Quantity of Type of Gauge or Instrument</i>	<i>Reference to standardized procedure</i>	<i>Range of Measured Quantity</i>	<i>Calibration and Measurement Capabilities Expressed as an Uncertainty (\pm)</i>
I.	Mass			
1.	Mass Pieces	MECH-MET/LPM-01 (Mass)	<u>OIML F₁ Class</u> 1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g to 20 kg	0.007 mg 0.007 mg 0.007 mg 0.008 mg 0.010 mg 0.013 mg 0.017 mg 0.020 mg 0.027 mg 0.03 mg 0.04 mg 0.05 mg 0.07 mg 0.08 mg 0.10 mg 0.000 16 %

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%

	<i>Measured Quantity of Type of Gauge or Instrument</i>	<i>Reference to standardized procedure</i>	<i>Range of Measured Quantity</i>	<i>Calibration and Measurement Capabilities Expressed as an Uncertainty (\pm)</i>
2.	WEIGHING INSTRUMENTS <ul style="list-style-type: none"> ▪ Digital Self Indicating ▪ Non-Automatic Weighing Instrument 	MECH-MET/LPM-01 (Mass)	1 mg to 50 g 50 g to 2000 g 2 kg to 12 kg 12 kg to 20 kg	0.1 mg 0.000 25 % 0.001 % 0.005 %
		MECH-MET/LPM-01 (Mass)	20 kg to 100 kg	0.005%
3.	On-site calibration of items 2			
II. Dimensional Calibration				
1.	LINEAR DIMENSIONS Line Standards <ul style="list-style-type: none"> ▪ Engineer Steel Rule 	MECH-MET/LPM-03 (Dimensional)	1 mm to 1 000 mm	0.10 mm
2.	VARIOUS DIMENSIONAL Hand Instruments <ul style="list-style-type: none"> ▪ External Micrometer ▪ Caliper ▪ Dial Gauge 	MECH-MET/LPM-02 (Dimensional)	0 mm to 125 mm 0 mm to 300 mm 0 mm to 30 mm	4.0 μ m 10 μ m 5.0 μ m
III. Temperature				
1.	Thermometers Liquid-in-glass	TEMP-MET/LPM-01 (Temperature)	0.0 °C 0 °C to 70 °C 70 °C to 100 °C	0.05 °C 0.04 °C 0.07 °C

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 Mauritius Accreditation Service (MAURITAS)

Date: 11 August 2023

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Director of MAURITAS