



## **CERTIFICATE OF ACCREDITATION**

This is to certify that

***MSB-METROLOGY DIVISION***

*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**

*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 17025:2005 and any further requirements specified by MAURITAS*

Issue Date: 12 August 2014

Director of MAURITAS

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



**Schedule of Accreditation  
Laboratory No C002**

**Permanent Address of Laboratory:**

Mauritius Standards Bureau  
Villa Road  
Moka

**Postal Address:**

Mauritius Standards Bureau  
Villa Road  
Moka

**Tel No.:** (230) 433 3648

**Fax No.:** (230) 433 5051

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**Technical Signatories:**

For Mass and Dimensional Calibration:

Mr. Veersingh Facknat  
Miss Vaneeda Radha Ramasawmy

For Temperature:

Mr. Christian Ng Ha Kwong

For Mass Pieces and Non-Automatic

Weighing Instrument:

Mr. Tomeswar Pryam

**Issue No:** 02

**Expiry Date:** 11 August 2018

	<i>Measured Quantity of Type of Gauge or Instrument</i>	<i>Range of Measured Quantity</i>	<i>Calibration and Measurement Capabilities Expressed as an Uncertainty (<math>\pm</math>)</i>
<b>I.</b>	<b>Mass</b>		
1.	Mass Pieces	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 %
2.	WEIGHING INSTRUMENTS ▪ Digital Self Indicating	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 %

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>Range of Measured Quantity</i>	<i>Calibration and Measurement Capabilities Expressed as an Uncertainty (<math>\pm</math>)</i>
	<ul style="list-style-type: none"> <li>▪ Non-Automatic Weighing Instrument</li> </ul>	20 kg to 100 kg	0.005%
3.	On-site calibration of items 2		
<b>II. Dimensional Calibration</b>			
1.	<b>LINEAR DIMENSIONS</b> Line Standards <ul style="list-style-type: none"> <li>▪ Engineer Steel Rule</li> </ul>	1 to 1 000 mm	0.10 mm
2.	<b>VARIOUS DIMENSIONAL</b> Hand Instruments <ul style="list-style-type: none"> <li>▪ External Micrometer</li> <li>▪ Caliper</li> <li>▪ Dial Gauge</li> </ul>	0 to 125 mm 0 to 300 mm 0 to 30 mm	4.0 $\mu$ m 10 $\mu$ m 5.0 $\mu$ m
<b>III. Temperature</b>			
1.	Ice Point Reference	0.0°C	0.05 K
2.	Thermometers Liquid-in-glass	0°C to 70°C 70°C to 100°C	0.2 K 0.9 K

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: 18 September 2017

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 Ag. Director of MAURITAS