MCCAA-SMI-Metrology Directorate

Scope of Accreditation

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ACCREDITATION INFORMATION - CALIBRATION LABORATORY

Accreditation No.	021
Accreditation Certificate No.	021/10
Accredited according to	EN ISO/IEC 17025:2017
Accreditation Scope No.	S021/10
Date of issue of this Scope	Wednesday, 18 February 2026

CALIBRATION LABORATORY

Laboratory Locations

Location Details	Activity	Location Code
Address Unit 1030, Kordin Business Incubation Centre, Kordin Industrial Estate, Paola, Malta	Mass - Calibration of non-automatic weighing instruments (Electronic) and Mass standards Temperature - Calibration of Air Temperature Measuring Instruments	A

Site activities performed away from the locations listed above

Location Details	Activity	Location Code
Customers' Sites or Premises	Mass - Calibration of non-automatic weighing instruments (Electronic) Temperature - Calibration and Characterization of Temperature Enclosures	B

CALIBRATION MEASUREMENT CAPABILITY (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Uncertainty (k = 2)	Calibration or measurement method or procedure	Remarks	Loc. code
Mass and derived quantities					
(*) The expanded uncertainty is at a confidence level of around 95% (**) To the uncertainty shown in the table, at least a contribution of 0.82d, where d is the resolution of the instrument, is to be added linearly.					
Non Automatic Weighing Instruments	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 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg	0.0067 mg 0.0067 mg 0.0067 mg 0.0089 mg 0.011 mg 0.013 mg 0.018 mg 0.022 mg 0.028 mg 0.033 mg 0.044 mg 0.056 mg 0.067 mg 0.089 mg 0.11 mg 0.18 mg 0.33 mg 0.89 mg 1.8 mg 3.3 mg 8.9 mg 18 mg 33 mg	Method consistent with EURAMET/CG-18/v.04: 2015	Weights are available in OIML Class E2. Uncertainty will depend on the characteristics of the NAWI.	B/A

CALIBRATION MEASUREMENT CAPABILITY (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Uncertainty (k = 2)	Calibration or measurement method or procedure	Remarks	Loc. code
Non Automatic Weighing Instruments	50 kg	2.8 g	Method consistent with EURAMET/CG-18/v.04: 2015	Weights are available in OIML Class M1 from 50 kg to 30000kg. From 30,000kg up to 60,000kg - A substitution load supplied by the laboratory must be available. Uncertainty will depend on the characteristics of the NAWI, the number of substitutions and type of substitution loads used.	B/A
	100 kg	5.6 g			
	200 kg	11 g			
	500 kg	28 g			
	1,000 kg	56 g			
	10,000 kg	0.56 kg			
	20,000 kg	1.1 kg			
	30,000 kg	1.7 kg			
	40,000 kg	4.9 kg			
	50,000 kg	5.2 kg			
	60,000 kg	5.8 kg			
Conventional mass / Mass standards	1000 kg	17000 mg	Method consistent with OIML R111:2004	Intermediate values can be calibrated with an uncertainty interpolated from the next higher and lower values in this table. Calibration results can be given in other units as required.	A
	500 kg	8300 mg			
	200 kg	3300 mg			
	100 kg	1700 mg			
	50 kg	83 mg			
	20 kg	33 mg			
	10 kg	5.3 mg			

Temperature

CALIBRATION MEASUREMENT CAPABILITY (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Uncertainty (k = 2)	Calibration or measurement method or procedure	Remarks	Loc. code
Air temperature measuring instruments, including temperature probes with indicators or recorders and temperature dataloggers	0°C ≤ t ≤ +50°C	0.15°C	Comparison to reference thermometers in a thermostatic air chamber	To the uncertainty shown in the table, at least a contribution of 0.58d, where d is the resolution of the instrument, is to be added.	A
Air temperature measuring instruments, including temperature probes with indicators or recorders and temperature dataloggers	-20°C ≤ t < -15°C -15°C ≤ t < -10°C -10°C ≤ t < -5°C -5°C ≤ t < 0°C	0.25°C 0.23°C 0.20°C 0.18°C	Comparison to reference thermometers in a thermostatic air chamber	To the uncertainty shown in the table, at least a contribution of 0.58d, where d is the resolution of the instrument, is to be added.	A
Temperature controlled rooms, fridges and refrigerators, refrigerated and heated trucks, incubators, environmental chambers, stores and warehouses, including associated recorders, indicators and controllers	0°C ≤ t ≤ +50°C	0.50 °C	Method consistent with EURAMET/CG 20/V.5: 2017	Multi-point measurement with dataloggers. To the uncertainty shown in the table, a contribution due to the thermal characteristics of the environment subjected to calibration is to be added.	B

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CALIBRATION MEASUREMENT CAPABILITY (CMC)

Measured Quantity Instrument or Gauge	Range	Expanded Uncertainty (k = 2)	Calibration or measurement method or procedure	Remarks	Loc. code
Temperature controlled rooms, cold stores, freezers, freezer trucks and environmental chambers, including associated recorders, indicators and controllers	-20°C ≤ t < -15°C -15°C ≤ t < -10°C -10°C ≤ t < -5°C -5°C ≤ t < 0°C	1.0°C 0.88°C 0.75°C 0.63°C	Method consistent with EURAMET/CG 20/V.5: 2017	Multi-point measurement with dataloggers. To the uncertainty shown in the table, a contribution due to the thermal characteristics of the environment subjected to calibration is to be added.	B

END OF SCOPE

This scope of accreditation may be revised from time to time by NAB-MALTA. The most recent version of this scope may be found from the NAB-MALTA website. Nevertheless, as technical issues may hinder the immediate update of the website, and in case of any difficulty, contact the NAB-MALTA on +356 23952510 or by sending an email to 'info@nabmalta.org.mt'.

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