



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest

MAEERA LAB

AL JABOR BUILDING NO. 238, ZONE 25, STREET 230, AL MANSOURA
DOHA, 5171, QATAR

Calibration Laboratory CL-326

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Expiration Date September 1, 2027

Effective Date August 14, 2026



International Accreditation Service

Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | www.iasonline.org

MAEERA LAB

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Accredited to ISO/IEC 17025:2017

Effective Date August 14, 2026

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Dimensional			
Vernier calipers (Outside and Depth Measurement)	0 mm < x ≤ 200 mm	9 µm	Using GRADE-0 SLIP GAUGE by Direct method
Micrometer (Outside)	0 mm < x ≤ 150 mm	1 µm	Using GRADE-0 SLIP GAUGE by Direct method
Thickness Gauge	1 mm ≤ x ≤ 50 mm	6 µm	Using GRADE-0 SLIP GAUGE by Direct method
Height Gauge	0 mm < x ≤ 200 mm	12 µm	Using GRADE-0 SLIP GAUGE by Direct method
Coating Thickness Gauge	0 mm < x ≤ 1 mm 1 mm < x ≤ 3 mm	3.5 µm 8 µm	Using standard Foil set by Direct method
Mechanical			
Pressure (Pneumatic) ³ Pressure Gauge / Recorder/ Transducer/ Transmitter	0 bar < x ≤ 7 bar 7 bar < x ≤ 70 bar 70 bar < x ≤ 200 bar	0.002 bar 0.02 bar 0.1 bar	Using Reference Pressure and pneumatic by comparison method
Vacuum Gauge ³	-0.82 bar ≤ x ≤ 0 bar	0.0094 bar	Using Reference Pressure and pneumatic by comparison method
Sound Level Meter	@ 1 kHz 94 dB 114 dB	1.3 dB 1.3 dB	Using Acoustic calibrator by direct method
Vane Type Anemometer	2.5 m/s ≤ x ≤ 15 m/s	0.56 m/s	Using Laboratory grade, Bench top mini wind tunnel, reference vane probe anemometer by comparison method

* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.

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MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Thermal			
Temp sensors ³ (RTD/Thermocouple) with or without controller / indicator/ Thermometer/ Temperature Gauge / Temp Transmitter	-25 °C ≤ x ≤ 150 °C	0.24 °C	Using Dry Block /Metrology Well with Platinum Resistance Thermometer by comparison method
Oven / Incubator / Freezer / Chiller/ Muffle Furnace ³	-65 °C ≤ x ≤ 600 °C 600 °C < x ≤ 800 °C 800 °C < x ≤ 1000 °C	0.19 °C 7.9 °C 9.5 °C	Using RTD/ Thermocouple and Documenting Process Calibrator by Direct Method @ Measuring Location in DUC (Single Position Calibration-Single sensor method)
Time & Frequency			
Tachometer (Non Contact) ³	600 rpm ≤ x ≤ 2000 rpm 2000 rpm < x ≤ 99999 rpm	1 rpm 4 rpm	Using Reference Tachometer and Frequency source by Comparison method
Chemical/Gas			
Gas Detector ³ Carbon Monoxide – CO Oxygen - O2 Hydrogen sulfide – H2S Methane - CH4	100 ppm 18.0 % 25 ppm 2.5 % (50 % LEL)	2.1 % 2 % 2 % 2.3 %	Using Standard Reference Gas by direct method

¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

³Also available as site calibration. Note that actual measurement uncertainties achievable at a customer's site can normally be expected to be larger than the uncertainties listed on this Scope of Accreditation.

