Issue date: 20 January 2026
Valid until: 11 May 2029

NO: SAMM 1005
(Issue 2, 20 January 2026 replacement of SAMM 1005 dated 01 August 2024)

LABORATORY LOCATION:
(PERMANENT LABORATORY)

CHING YI LABORATORY
CHING YI PRECISION
64-1, JALAN KEMPAS INDAH 1/1
TAMAN KEMPAS INDAH
81300 JOHOR BAHRU, JOHOR
MALAYSIA

FIELDS OF CALIBRATION: **TEMPERATURE & RELATIVE HUMIDITY, PRESSURE, FLOW**

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

*** The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of k=2 unless stated otherwise.**

SCOPE OF CALIBRATION: TEMPERATURE AND RELATIVE HUMIDITY

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
Thermometer Transmitter Data Logger	15 °C to 35 °C	0.7 °C	Comparison with Thermohygrometer in temperature chamber with reference to method ASTM E644-11(2019)
Thermo hygrometer Transmitter Data Logger	Relative humidity at 25°C 33 % rh 43 % rh 75 % rh	2.3 % rh	Comparison with Thermohygrometer in salt chamber with reference to method ISO 483:2005

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SCOPE OF CALIBRATION: PRESSURE

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
Pressure Measuring Device	-500Pa to +500Pa -10000Pa to +10000Pa	2Pa 12Pa	Calibration by comparison method with reference to EURAMET Cg 17

SCOPE OF CALIBRATION: FLOW

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
Anemometer	0 m/s to 20 m/s	0.5 m/s	Calibration by comparison method with anemometer standard

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