Issue date: 05 October 2023
Valid Until: 19 February 2025

NO: SAMM 915

LABORATORY LOCATION/ CENTRAL OFFICE:	CSQ Analytics Sdn. Bhd. No. 929B, Jalan DS 3/1 Bandar Dataran Segar 71010 Lukut, Port Dickson, Negeri Sembilan , 71010, NEGERI SEMBILAN MALAYSIA
ACCREDITED SINCE :	12 MARCH 2025
FIELD(S) OF CALIBRATION:	HEAT & TEMPERATURE VOLUME OPTICAL & PHOTOMETRIC

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.**

CENTRAL LOCATION	CSQ Analytics Sdn. Bhd. No. 929B, Jalan DS 3/1 Bandar Dataran Segar 71010 Lukut, Port Dickson, Negeri Sembilan , 71010, Negeri Sembilan
FIELD(S) OF CALIBRATION :	HEAT & TEMPERATURE, VOLUME, OPTICAL & PHOTOMETRIC

SCOPE OF CALIBRATION : HEAT & TEMPERATURE

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Heating Block	70 °C to 160 °C	0.5 °C	CSQ-LAB-CP01 (Manufacturer Calibration Procedure)

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Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Ph Meter Temperature Probe	25 °C to 35 °C	0.4 °C	CSQ-LAB-CP02 (Comparison with Reference Temperature Sensor with Reference to Manufacturer Calibration Procedure)

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SCOPE OF CALIBRATION : VOLUME

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Ph Meter	pH 4.00 pH 7.00 pH 10.00	pH 0.02 pH 0.02 pH 0.04	CSQ-LAB-P05 (Calibration using Standard Buffer Solution with Reference to Manufacturer Calibration Procedure)

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Valid Until: 19 February 2025

NO: SAMM 915

SCOPE OF CALIBRATION : OPTICAL & PHOTOMETRIC

Instrument Calibrated/Measurement Parameter	**Range**	**Calibration and Measurement Capability Expressed as an Uncertainty (±)***	**Remarks**
Absorbance Accuracy (345 Nm To 800 Nm) (macherey-nagel Spectrophotometer)	0.001 Abs to 2.000 Abs	0.004 Abs	CSQ-LAB-CP03 (Calibration using Standard Reference Material by MachereyNagel with Reference to Macherey-Nagel Calibration Procedure)
Absorbance Accuracy (345 Nm To 690 Nm) (macherey-nagel Photometer)	0.001 Abs to 2.000 Abs	0.004 Abs	CSQ-LAB-CP04 (Calibration using Standard Reference Material by MachereyNagel with Reference to Macherey-Nagel Calibration Procedure)

SITE LOCATION (HQ)	1. CATEGORY I
FIELD(S) OF CALIBRATION :	HEAT & TEMPERATURE,OPTICAL & PHOTOMETRIC

SCOPE OF CALIBRATION : HEAT & TEMPERATURE

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**	**Remarks**
Heating Block	70 °C to 160 °C	0.4 °C	CSQ-LAB-CP01 (Manufacturer Calibration Procedure)

SCOPE OF CALIBRATION : OPTICAL & PHOTOMETRIC

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
Absorbance Accuracy (345 Nm To 800 Nm) (macherey-nagel Spectrophotometer)	0.001 Abs to 2.000 Abs	0.004 Abs	CSQ-LAB-CP03 (Calibration using Standard Reference Material by MachereyNagel with Reference to Macherey-Nagel Calibration Procedure)
Absorbance Accuracy (345 Nm To 690 Nm) (macherey-nagel Photometer)	0.001 Abs to 2.000 Abs	0.004 Abs	CSQ-LAB-CP04 (Calibration using Standard Reference Material by MachereyNagel with Reference to Macherey-Nagel Calibration Procedure)