



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** QTECH SCIENTIFIC INDIA PRIVATE LIMITED, 15 B, HSIIDC INDUSTRIAL AREA, SECTOR 31, FARIDABAD, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** CC-3848 **Page No** 1 of 8

**Validity** 06/03/2026 to 05/03/2030 **Last Amended on** 26/03/2026

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	MECHANICAL-VOLUME	Glassware ( Jar, Beaker, Soap Bubble Meter (for Volumetric Capacity), tilt measuring flask)	Using Weighing Balance (readability: 0.1 mg) & distilled water by Gravimetric Method	1 ml to 100 ml	0.29 $\mu$ l
2	MECHANICAL-VOLUME	Glassware (Measuring Cylinder, Volumetric Flask, Glass Pipette, Burette)	Using Weighing Balance (readability: 0.01 mg) & Distilled Water by Gravimetric Method	0.1 ml to 1 ml	0.09 $\mu$ l
3	MECHANICAL-VOLUME	Glassware (Measuring Cylinder, Volumetric Flask, Glass Pipette, Burette)	Using Weighing Balance (readability: 0.01 mg) & Distilled Water by Gravimetric Method	1 ml to 100 ml	0.15 $\mu$ l
4	MECHANICAL-VOLUME	Glassware {Soap Bubble Meter (for Volumetric Capacity), Tilt Measuring Flask}	Using Weighing Balance (readability: 0.01 mg) & Distilled Water by Gravimetric Method	0.1 ml to 1 ml	0.13 $\mu$ l
5	MECHANICAL-VOLUME	Micropipette	Using Weighing Balance ( readability: 0.01 mg) as per ISO 8655-6: 2022	100 $\mu$ l to 1000 $\mu$ l	0.25 $\mu$ l
6	MECHANICAL-VOLUME	Micropipette	Using Weighing Balance (readability: 0.01 mg) as per ISO 8655-6: 2022	20 $\mu$ l to 100 $\mu$ l	0.15 $\mu$ l
7	MECHANICAL-VOLUME	Micropipette	Using Weighing Balance (readability: 0.01 mg) as per ISO 8655-6: 2022	1 ml to 10 ml	0.35 $\mu$ l



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8	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I or coarser (L.C.: -0.1 mg or coarser)	Using E1 Class Weights as per OIML-R 76-1	0 to 200 g	0.08 mg
9	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I or coarser (L.C.: - 0.01 mg or coarser)	Using E1 Class Weights as per OIML-R 76-1	0 to 80 g	0.025 mg
10	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	1 g	0.01 mg
11	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	10 g	0.02 mg
12	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance ( readability: 0.1 mg) by Substitution Method as per OIML R 111-1: 2004	100 g	0.10 mg
13	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	100 mg	0.01 mg



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14	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	2 g	0.01 mg
15	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	20 g	0.02 mg
16	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	20 mg	0.01 mg
17	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.1 mg) by Substitution Method as per OIML R 111-1: 2004	200 g	0.20 mg
18	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	200 mg	0.01 mg



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19	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	5 g	0.02 mg
20	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance ( readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	50 g	0.03 mg
21	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	50 mg	0.01 mg
22	MECHANICAL-WEIGHTS	Accuracy class F1 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	500 mg	0.01 mg
23	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	1 mg	0.0086 mg



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24	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	10 mg	0.009 mg
25	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	2 mg	0.0086 mg
26	MECHANICAL-WEIGHTS	Accuracy class F2 & coarser	Using E1 Class Weight & Weighing Balance (readability: 0.01 mg) by Substitution Method as per OIML R 111-1: 2004	5 mg	0.011 mg



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Site Facility					
1	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I or coarser (L.C.: -0.1 mg or coarser)	Using E1 Class Weights as per OIML-R 76-1	0 to 200 g	0.08 mg
2	MECHANICAL-WEIGHING SCALE AND BALANCE	Weighing Balance - Class I or coarser (L.C.: - 0.01 mg or coarser)	Using E1 Class Weights as per OIML-R 76-1	0 to 80 g	0.025 mg
3	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Environment Chamber, Humidity Chamber, Humidity Calibrator / Generator (Single Position)	Using Digital Thermohygrometer with Sensor by Comparison Method	20 % RH to 80 % RH @ 25 °C	1.2 % RH
4	THERMAL-SPECIFIC HEAT & HUMIDITY	Indicator with Sensor of Environment Chamber, Humidity Chamber, Humidity Calibrator, Generator Chamber (Single Position)	Using Digital Thermohygrometer with Sensor by Comparison Method	10 °C to 50 °C @ 50 % RH	0.44 °C
5	THERMAL-TEMPERATURE	Freezer, Deep Freezer, Cold Chamber, Oven, Environment Chamber, Liquid Bath (Multiposition)	Using Minimum Nine RTD (PT-100) Sensors with Datalogger by Multiposition Calibration Method	(-) 80 °C to 50 °C	1.22 °C
6	THERMAL-TEMPERATURE	Industrial Furnace, Muffle Furnace	Using N-type Thermocouple with Data-logger (minimum 9 sensors) by Multiposition Method	500 °C to 1200 °C	2.65 °C



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7	THERMAL-TEMPERATURE	Industrial Furnace, Muffle Furnace (Multiposition)	Using Minimum Nine N-type Thermocouples with Data-logger by Multiposition Calibration Method	200 °C to 500 °C	2.08 °C
8	THERMAL-TEMPERATURE	Oven, Environment Chamber, Liquid Bath (Multiposition)	Using Minimum Nine RTD (PT-100) Sensors with Datalogger by Multiposition Calibration Method	50 °C to 200 °C	1.3 °C
9	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Dry Block Furnace, Metrology Well, Chamber, Dry Block Calibrator, Muffle Furnace (Single Position)	Using S-type Thermocouple with Indicator by Comparison Method	650 °C to 1000 °C	1.2 °C
10	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Dry Block Furnace, Metrology Well, Chamber, Dry Block Calibrator, Muffle Furnace (Single Position)	Using S-type Thermocouple with Indicator by Comparison Method	1000 °C to 1200 °C	1.5 °C
11	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Freezer, Oven, Environment Chamber, Liquid Bath, Dry Block Furnace, Incubator, BOD Incubator (non-medical purpose) - Single Position	Using SSPRT with Indicator by Comparison Method	(-) 80 °C to 50 °C	0.58 °C



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12	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Oven, Environment Chamber, Liquid Bath, Dry Block Furnace, Incubator, BOD Incubator, Autoclave (non-medical purpose) - Single Position	Using SSPRT with Indicator by Comparison Method	50 °C to 650 °C	0.15 °C

\* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of  $k = 2$ .