

Laboratory Easy Solutions, #338 Ambujammal St, Alwarpet, Chennai, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2507 **Page** 1 of 2

Validity 26.12.2017 to 16.11.2019 **Last Amended on**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	RTD / Thermistor / Thermocouple Indicator / Datalogger With External Sensor #	(-) 80 °C to (-) 40 °C (-) 40 °C to 100 °C	0.04 °C 0.033 °C	Using RTD Sensor with Indicator Dry Block Indicator & Thermal Fluid Bath By Comparison Method
2.	Deep Freezer, Freezer, Bath * (Multi-Point)	(-) 80 °C to 100 °C	0.1 °C	Using RTD Sensor with Indicator by Comparison Method
3.	Environmental Chamber, Temperature Enclosures* (Multipoint)	0 °C to 50 °C	0.5 °C	Using Data loggers with Inbuilt Sensors By Comparison Method
II.	SPECIFIC HEAT & RELATIVE HUMIDITY			
1.	Humidity Indicator / Datalogger With Probe, Digital Thermo hygrometer §	0.5 % RH@ (23)°C 5 % RH@ (23)°C 10 % RH@ (23)°C 20 % RH@ (23)°C 50 % RH@ (23)°C 65 % RH@ (23)°C 80 % RH@ (23)°C 95 % RH@ (23)°C	0.5 % RH 0.5 % RH 0.5 % RH 0.5 % RH 0.6 % RH 0.6 % RH 1.2 % RH 1.2 % RH	Using Standard Salt Vials by Direct Method

Dheeraj Chawla
Convenor

Avijit Das
Program Director

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
2.	Humidity Indicator/ Datalogger With Sensors #	(15 to 90) % RH @25 °C 50 % RH@15°C 60 %RH @ 45°C)	1.7 % RH 1.7 % RH 1.7 % RH	Using Digital Hygrometer and Humidity Chamber by Comparison Method

* Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%

\$ Only in Permanent Laboratory

* Only for Site Calibration

The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

Dheeraj Chawla
Convenor

Avijit Das
Program Director