

<b>Laboratory</b>	<b>Best Standards Technologies Pvt. Ltd., Door No. 49, Moorthy Nagar, 3rd Street, Chettiar Agaram, Porur, Chennai, Tamil Nadu</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Thermal Calibration</b>	<b>Issue Date</b>	<b>20.10.2014</b>
<b>Certificate Number</b>	<b>C-0855</b>	<b>Valid Until</b>	<b>19.10.2016</b>
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<b>Quantity Measured/ Instrument</b>	<b>Range / Frequency</b>	<b>*Calibration Measurement Capability (<math>\pm</math>)</b>	<b>Remarks</b>
<b>I. TEMPERATURE</b>			
<b>1. LIQUID-IN-GLASS THERMOMETERS<sup>\$</sup></b>	-30°C to 50°C 50°C to 250°C	0.76 °C 1.15°C	Using RTD(PT 100), 6½ DMM. with Cryostatic Circulator & Oil Bath
<b>2. RTD'S, THERMOCOUPLES, TEMPERATURE INDICATOR WITH SENSOR, RECORDERS WITH PROBES, TEMPERATURE BATHS, DRY BLOCK CALIBRATORS, LOW TEMPERATURE BATH, DIGITAL THERMOMETERS WITH SENSOR TEMPERATURE GAUGES, TEMPERATURE SWITCHES, DATA LOGGER WITH SENSOR, TEMPERATURE TRANSMITTER, TEMPERATURE TRANSDUCER<sup>#</sup></b>	-30°C to 50°C 50°C to 400°C 400°C to 1000°C 1000°C to 1200°C	0.37°C 0.80°C 1.95°C 2.89°C	Using RTD(PT 100), S-type Thermocouple, 6½ DMM with Dry Block Temperature Calibrator.(650H) Dry Block Temperature Calibrator(calsys1200)
<b>3. TEMPERATURE BY SPATIAL MAPPING THERMAL CHAMBERS/ FURNACES/OVENS INCUBATORS/WATER BATH/ REFRIGERATOR/ DEEP FREEZERS, AUTOCLAVES<sup>*</sup></b>	-40°C to 400°C 400°C to 1200°C	2.71°C 4.69°C	Thermocouple Type-R, Multi Channel Temperature Recorder.

**Shally Sharma**  
Convenor

**Avijit Das**  
Program Manager

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
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**II. RELATIVE HUMIDITY**

1. TEMPERATURE INDICATOR OF ENVIRONMENTAL & CLIMATIC CHAMBER TEMPERATURE & HUMIDITY INDICATORS (TEMPERATURE / RELATIVE HUMIDITY <sup>*</sup> )	15% to 95% RH	2.17% RH	Using Standard Temperature/ Humidity Meter with Probe
	15°C to 40°C	0.65°C	

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

\$ Only in Permanent Laboratory

\* Only for Site Calibration

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