

**Laboratory** Global Calibration, 149 & 150, FF, Ashoka Plaza, Software Corporate Park,  
S. No. 32/2, Viman Nagar, Nagar Road, Pune, Maharashtra

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Thermal Calibration **Issue Date** 26.06.2015

**Certificate Number** C-0653 **Valid Until** 25.06.2017

**Last Amended on** 03.07.2015 **Page** 1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. TEMPERATURE</b>			
1. THERMOCOUPLE/RTD WITH & WITHOUT INDICATOR <sup>\$</sup>	(-) 80 °C to 50 °C	0.2 °C	Using 6½ DMM, RTD Sensor and Liquid Bath by comparison method
2. THERMOCOUPLE/RTD WITH & WITHOUT INDICATOR <sup>#</sup>	(-) 30 °C to 150 °C 150 °C to 200 °C	0.15 °C 0.2 °C	Using 6½ DMM, RTD Sensor and Liquid Bath by comparison method
3. THERMOCOUPLE/RTD WITH & WITHOUT INDICATOR <sup>#</sup>	200 °C to 600 °C	2.7 °C	Using 6½ DMM, R type Sensor and Dry Bath by comparison method
4. GLASS THERMOMETER <sup>#</sup>	(-) 10 °C to 150 °C	0.19 °C	Using 6½ DMM, RTD Sensor and Liquid Bath by comparison method
5. DIAL / DIGITAL TYPE TEMPERATURE GAUGES SENSOR <sup>\$</sup>	0 to 150 °C	0.60 °C	Using 6½ DMM, RTD Sensor and Liquid Bath by comparison method
6. INDICATOR OF LIQUID BATH <sup>\$</sup>	(-) 80 °C to 200 °C	0.19 °C	Using 6½ DMM and RTD Sensor by comparison method
7. INDICATOR OF DRY BATH <sup>\$</sup>	50 °C to 600 °C	3.0 °C	Using 6½ DMM, RTD Sensor/R type sensor by comparison method
8. DIAL/DIG TYPE TEMP. GAUGES SENSOR <sup>*</sup>	0 to 150 °C	0.60 °C	Using 6½ DMM, RTD Sensor and Liquid Bath by comparison method
4. TEMP INDICATOR OF FURNACES <sup>*</sup>	200 °C to 1000 °C	4.3 °C	Using 6½ DMM and R type Thermocouple by comparison method

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Convenor

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Program Manager

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
5. OVEN * (MAPPING )	50 °C to 300 °C	0.66 °C	Using Data Logger with RTD Sensors by comparison method
6. DEEP FREEZER, AUTOCLAVE, INCUBATOR / TEMP MAPPING *	(-) 25 °C to 150 °C	0.40 °C	Using 6½ DMM and RTD Sensors by comparison method
7. TEMP CHAMBER * (MAPPING)	(-) 25 °C to 150 °C	0.4 °C	Using 6½ DMM and R type Sensors by comparison method
<b>II. RELATIVE HUMIDITY</b>			
1. THERMO HYGROMETER \$	10 °C to 45 °C 20 %Rh to 95 % Rh @ 25 °C	0.64 °C 5.8 %Rh	Using Dig Thermo hygrometer by comparison method
2. HUMIDITY CHAMBER *	20 %Rh to 95 %Rh @ 25 °C	2.4 % Rh	Using Humidity sensor with indicator by Comparison

\* 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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