

<b>Laboratory</b>	<b>Perfect Calibration Centre Pvt. Ltd., No. 40, 71<sup>st</sup> Cross, 5<sup>th</sup> Block, Rajaji Nagar, Bangalore, Karnataka</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Thermal Calibration</b>	<b>Issue Date</b>	<b>21.10.2014</b>
<b>Certificate Number</b>	<b>C-0668</b>	<b>Valid Until</b>	<b>20.10.2016</b>
<b>Last Amended on</b>	<b>-</b>	<b>Page</b>	<b>1 of 2</b>

	<b>Quantity Measured/ Instrument</b>	<b>Range / Frequency</b>	<b>*Calibration Measurement Capability (<math>\pm</math>)</b>	<b>Remarks</b>
<b>I.</b>	<b>TEMPERATURE</b>			
<b>1.</b>	<b>RTD's RTD WITH INDICATORS, THERMOCOUPLE, THERMOCOUPLE WITH INDICATOR, DIGITAL THERMOMETER, TEMPERATURE GAUGES, BATHS, SWITCHES, TRANSMITTER<sup>‡</sup></b>	(-) <b>15 °C to 300 °C 300 °C to 600 °C 600 °C to 1200 °C</b>	<b>0.25 °C 1.35 °C 2.22 °C</b>	<b>Using PT-100, Process Calibrator, S type Process Calibrator, Temperature &amp; RH Generator by Comparison Method</b>
<b>2.</b>	<b>HUMIDITY THERMO HYGROMETER, TEMPERATURE HUMIDITY GRAPH, TEMPERATURE &amp; HUMIDITY METER, HUMIDITY INDICATOR<sup>§</sup></b>	(-) <b>30 °C to 50 °C 15 % to 95 % RH</b>	<b>0.3 °C 0.85 % RH</b>	<b>Using Humidity Meter &amp; Temperature &amp; RH Generator by Comparison Method</b>
<b>3.</b>	<b>OVEN, INCUBATOR, CHAMBER, BATHS, FREEZERS, AUTOCLAVE<sup>*</sup> (Only Temperature)</b>	(-) <b>90 °C to 100 °C 100 °C to 300 °C</b>	<b>0.26 °C 0.4 °C</b>	<b>Using RTD Sensors (Class A), Handy Calibrator (CA71) by Comparison Method</b>
<b>4.</b>	<b>FURNACE<sup>*</sup> (Single Point)</b>	<b>Upto 600 °C Upto 1200 °C Upto 1500 °C</b>	<b>1.35 °C 2.30 °C 3.8 °C</b>	<b>Using S Type Thermocouple &amp; CA 71 Calibrator by Comparison Method</b>
	<b>Mapping</b>	<b>Upto 1200 °C</b>	<b>2.6 °C</b>	<b>Using K type &amp; Data logger by Comparison Method</b>

**Neeraj Verma  
Convenor**

**Avijit Das  
Program Manager**

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>II. SPECIFIC HEAT &amp; HUMIDTY</b>			
<b>1. TEMPERATURE &amp; HUMIDITY CHAMBERS*</b>	(-)40 °C to 300 °C	0.4 °C	Using RTD Sensors & Data Logger by Comparison Method
	15 % RH to 95 % RH	1.05 % RH	Using Humidity Meter by Comparison Method

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

\$ Only in Permanent Laboratory

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