

Laboratory	Sri Calibrations Services, H. No. 12-10-335/3/A, Fl. No. S1 & S2, Nomula Lakshmi Residency, Seethaphalmandi, Secunderabad, Telangana		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Thermal Calibration	Issue Date	01.08.2015
Certificate Number	C-0944	Valid Until	31.07.2017
Last Amended on	03.08.2015	Page	1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. TEMPERATURE			
1. Liquid-in-Glass Thermometer, RTD/Thermocouple Sensor with & without Indicator, Dial Thermometer ^{\$}	(-80 °C to 0	0.18 °C	Using low temperature oil bath & SSPRT with Indicator
2. Liquid-in-Glass Thermometer, RTD/Thermocouple Sensor with & without Indicator, Dial Thermometer [#]	(-25 °C to 50 °C 50 °C to 250 °C	0.18 °C 0.20 °C	Using portable temperature oil bath & SSPRT with Indicator
3. RTD/Thermocouple Sensor with & without Indicator, Dial Thermometer [#]	250 °C to 1200 °C	2.7 °C	Using Dry Block Calibrator. & R-Type Thermocouple with Indicator
4. IR Thermometer, Pyrometer ^{\$} ($\epsilon=0.95$)	50 °C to 500 °C	3.83 °C	Using IR Thermometer and Black Body Source ($\epsilon=0.95$) by Comparison Method
5. Humidity Sensors with Indicator / Controller, Thermo-Hygrometer ^{\$}	35 % Rh to 95 % Rh @ ~ 25 °C	1.85 % rh	Using RH generator & RH Indicator with Probe
6. RH Chamber / Environmental Chamber [*]	30 % Rh to 90 % Rh @ ~ 25 °C	3.03 % rh	Using spatial mapping & Using Multi Channel data Logger with max nine RH Sensors

Ranjith Kumar
Convenor

Avijit Das
Program Manager

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7. Freezer, Oven, BOD / Incubator, Environmental Chamber, Liquid Bath/Dry Block Calibrator, Furnace *	(-)80 °C to 250 °C	1.4 °C	Using spatial mapping & Using Multi Channel data Logger with max 16 temperature Sensors
8. Calibration of Liquid Baths / Dry Block Calibrator #	(-)80 °C to 250 °C 250 °C 1200 °C	0.4 °C 4.0 °C	Using four RTD / TC sensors Based on Euramet cg-13

* Measurement Capability is expressed as an uncertainty (\pm) 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.

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