

Laboratory MMA Calabs Tech Ltd., 324, 3rd Floor, Chandralok Complex, III S.D. Road, Secunderabad, Hyderabad, Telangana

Accreditation Standard ISO/IEC 17025:2005

Discipline Thermal Calibration

Issue Date 26.11.2015

Certificate Number C-1177

Valid Until 25.11.2017

Last Amended on 21.12.2015

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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
I. TEMPERATURE			
1. PYROMETER \$ (Non Contact)	50 °C to 250 °C	2.54 °C	Using Standard Thermo couple (k-Type) with Indicator & Infrared Calibrator by Comparison Method
	250 °C to 400 °C	5.4 °C	IR Thermometer by Comparison Method
	400 °C to 500 °C	7.3 °C	
2. RTD/Thermocouple \$ (with and without indicators) Thermometers (Glass & Digital)	-25 °C to 200 °C	0.2 °C	Using RTD 100 Ω & Dry Bath by Comparison Method
	200 °C to 300 °C	0.4 °C	
	300 °C to 600 °C	3.3 °C	Using Thermocouple (K-Type) & Dry Bath by Comparison Method
3. Temperature Baths \$ (sources in temperature calibration)	-25 °C to 300 °C	0.2 °C	Using RTD 100 Ω By Comparison Method
	300 °C to 600 °C	4.4 °C	Using RTD Thermocouple (K-Type) By Comparison Method
II. HUMIDITY			
1. Hygrometers \$ (Humidity & sensors with indicators)	20 % RH to 90 % RH at 23 °C	5 % RH	Using Hygrometer, Temperature By Comparison Method

Shally Sharma
Convenor

Avijit Das
Program Manager

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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability (\pm)	Remarks
2. Single Point Temperature Calibration of Ovens Furnaces, Freezers & Refrigerators ^{\$}	-25 °C to 300 °C	0.2 °C	Using RTD 100 Ω By Comparison Method
	200 °C to 300 °C	0.4 °C	
	300 °C to 600 °C	4.4 °C	Thermocouple (K-Type) 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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