Laboratory	**Roots Metrology & Testing Laboratory (A Unit of Roots Industries India Limited) RKG Industrial Estate, Ganapathy, Coimbatore, Tamil Nadu**		
Accreditation Standard	**ISO/IEC 17025:2005**		
Discipline	**Thermal Calibration**	**Issue Date**	**26.06.2014**
Certificate Number	**C-0501**	**Valid Until**	**25.06.2016**
Last Amended on	**03.07.2014**	**Page**	**1 of 1**

	Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (±)	Remarks
I.	**TEMPERATURE**			
1	**RTD, T/C Temperature Sensors with Indicators/ Controllers, Pyrometers with T/C Temperature sensors & Indicators for Ovens/ Furnaces#**	-25°C to 140°C >140°C to 400°C >400°C to 1000°C >I000°C to 1200°C > 1200°C to 1500°C	0.60°C 2.60°C 2.95°C 3.40°C 4.75°C	Using Standard RTD, S-Type Thermocouple multifunction calibrator, Drywell bath/ Dry block furnace as per IEC 60584/ IEC 60751 by Comparison method
2	**Temperature Indicator of Furnace, Freezers, Ovens$ (Temperature at Single specified position)**	-25°C to 140°C >140°C to 1200°C	1.50°C 3.50°C	Using T Type & S Type Thermocouple Temperature Sensors with Data logger by Comparison method
3	**Temperature spatial mapping of Environmental Chambers, Freezers, Furnace, Ovens♣**	-70°C to -30°C >-30°C to 100°C >100°C to 300°C	1.52°C 1.64°C 3.50°C	Using T Type & S Type Thermocouple Temperature Sensors with Data logger by Comparison method

*** Measurement Capability is expressed as an uncertainty (±) 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.

Avijit Das
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Convenor