



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Independent Calibration Laboratories, National Council for Cement and Building Materials, 34, KM Stone, NH-2, Delhi-Mathura Road, Ballabgarh, Haryana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2625

Page 5 of 6

Validity 12.08.2018 to 11.08.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
THERMAL CALIBRATION				
I.	TEMPERATURE			
1.	Liquid In Glass Thermometer, RTD / Thermocouple With Temperature Indicators / Controller/ Data Logger ^s	(-) 10 °C to 100 °C 100 °C to 300 °C	0.08 °C 0.08 °C	Using PRT Probe with Temperature Indicator & Liquid Bath by Comparison Method
2.	RTD/Thermocouple With Temperature Indicator/ Controller / Data Logger ^s	300 °C to 600 °C	0.2 °C	Using PRT Probe with Temperature Indicator & Dry Block Calibrator by Comparison Method
3.	Thermocouple With Temperature Indicator/ Controller / Data Logger ^s	600 °C to 1200 °C	1.5 °C	Using S Type Thermocouple with Temperature Indicator, High Temperature Furnace by Comparison Method
4.	Temperature Indicator With Sensor Of Liquid Bath, Dry Block, Incubator Incubator (for Non Medical Applications), Oven *	(-) 10 °C to 200 °C	1.2 °C	Using PRT Temperature with Indicator
5.	Temperature Indicator With Sensor Of Muffle Furnace*	200 °C to 1200 °C	1.9 °C	Using S Type Thermocouple with Temperature Indicator

Vishal Shukla
Convenor

Avijit Das
Program Manager



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II.	SPECIFIC HEAT AND HUMIDITY			
1.	Humidity Indicator With Inbuilt Or External Sensor, Thermohygrometer [§]	30 % RH to 95 % At \approx 25 °C	0.8 % RH At \approx 25 °C	Using RH and Temperature Indicator, RH Generator /Chamber by Comparison Method
2.	Temperature Humidity Indicator With Sensor Of Environmental Chamber*	30 % RH to 95 % RH At \approx 25 °C	1.2 % RH at \approx 25 °C	Using RH Meter with Probe by Single Position Calibration
		15 °C to 50 °C	0.30 °C	Using RTD with Temperature Indicator

* 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.

^o Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.

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