



# NABL

## SCOPE OF ACCREDITATION

Laboratory Ahmedabad Textile Industry's Research Association (ATIRA), Dr. Vikram Sarabhai Road, P.O. Ambawadi Vistar, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025:2005

Discipline Thermal Calibration Issue Date 19.03.2015

Certificate Number C-0682 Valid Until 18.03.2017

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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
<b>1. TEMPERATURE</b>			
1. LIQUID-IN-GLASS THERMOMETER, TEMPERATURE GAUGE, RTD THERMOCOUPLE WITH AND WITHOUT INDICATOR <sup>3</sup>	(-) 80 °C to 50 °C	0.17 °C	Using SSPRT with Indicator and 6.5 DMM & Liquid Bath Circulators
	50 °C to 300 °C	0.21 °C	
2 RTD/ THERMOCOUPLE WITH AND WITHOUT INDICATOR <sup>5</sup>	300 °C to 600 °C	0.21 °C	Using SSPRT with indicator and 6.5 DMM & Dry Block Calibrators
	600 °C to 1200 °C	2.2 °C	Using R-type thermocouple with Indicator and 6.5 DMM
3 RH INDICATOR WITH SENSOR <sup>3</sup>	20 % rh to 95 % rh @ 25 °C	2.7 % rh	Using Standard RH Indicator with Sensor & Saturated Salt Solutions of Fixed RH
4. INDICATOR OF OVEN, FURNACE, INCUBATOR VARIOUS BATHS, BOD/COD, BIOLOGICAL TEST, CHAMBERS * (at Single Specified Position)	(-) 80 °C to 50 °C	0.17 °C	Using SSPRT/RTD with Indicator & R Type Thermocouple with Indicator
	50 °C to 600 °C	0.21 °C	
	600 °C to 1200 °C	2.2 °C	

Vishal Shukla  
Convenor

Avijit Das  
Program Manager



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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability ( $\pm$ )	Remarks
5. INDICATOR OF RH CHAMBER FOR RH AT 25°C* (At Single Specified Postion)	20 % rh to 95 % rh	2.7 % rh	RH Indicator with Sensor

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

§ Only in Permanent Laboratory

^ Only for Site Calibration

Vishal Shukla  
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