



# NABL

## National Accreditation Board for Testing and Calibration Laboratories

(An Autonomous Body under Department of Science & Technology, Govt. of India)

### CERTIFICATE OF ACCREDITATION

## PRISM CALIBRATION CENTRE

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2005**

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

F/101, 101A, TF 94-98, Rudraksh Complex-II, Phase-III, GIDC Vatva, Ahmedabad, Gujarat

in the discipline of

**THERMAL CALIBRATION**

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Certificate Number C-0984

Issue Date 26/11/2015



Valid Until 25/11/2017

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Avijit Das  
Program Manager

Anil Relia  
Director

Prof. S. K. Joshi  
Chairman





# NABL

## SCOPE OF ACCREDITATION

Laboratory Prism Calibration Centre, F/101, 101A, TF 94-98, Rudraksh Complex-II,  
Phase-III, GIDC Vatva, Ahmedabad, Gujarat

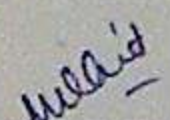
Accreditation Standard ISO/IEC 17025:2005

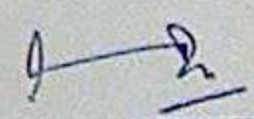
Discipline Thermal Calibration Issue Date 26.11.2015

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Last Amended on 05.02.2016 Page 1 of 3

Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ( $\pm$ )	Remarks
<b>I. TEMPERATURE</b>			
1. Temperature Sensor RTD / Thermocouple With or Without indicator / Temperature Calibrator / Bath / Thermometer with Sensor / Temperature Gauge / Temperature indicator of Recorder / Transmitter With Sensor / Temperature Switch / Digital Thermometer <sup>4</sup>	-10 °C to 50 °C	0.34 °C	Using Master SSPRT, Master R / S Type Thermocouple with Advance Multifunction Calibrator & Dry Block Temperature Bath by Comparison Method
	50 °C to 300 °C	0.43 °C	
	300 °C to 600 °C	0.61 °C	
	600 °C to 1050 °C	3.54 °C	
2. Liquid in glass thermometer <sup>5</sup>	50 °C to 250 °C	0.66 °C	Using Master SSPRT with Advance Multifunction Calibrator / Liquid Temperature Bath / water bath by Comparison Method
3. Infrared Temp. gun / Pyrometer / Thermal Imager / IR Sensor with Temperature Indicator <sup>6</sup>	50 °C to 100 °C	2.72 °C	Using Black Body Source by Direct Method
	100 °C to 500 °C	3.53 °C	
4. Temperature Indicator of / Freezers / Bath, Cold Chamber <sup>7</sup>	-80 °C to 0 °C	3.38 °C	Using SSPRT, RTD Sensor / & Advance Modular Calibrator

  
Mohit Kaushik  
Convenor

  
Avijit Das  
Program Manager





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Laboratory	Prism Calibration Centre, F/101, 101A, TF 94-98, Rudraksh Complex-II, Phase-III, GIDC Vatva, Ahmedabad, Gujarat		
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Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ( $\pm$ )	Remarks
Temperature Indicator of DHS/Sterilizer/ OVEN/ Water bath / ETO/ COD -BOD Autoclave *	0 to 150 °C	3.38 °C	Using SSPRT, RTD Sensor/ & Advance Modular Calibrator
Temperature Indicator of OVEN/ Muffle Furnace *	150 °C to 600 °C	3.38 °C	Master R/S Thermocouple Sensors /Advance Modular Calibrator
	600 °C to 1200 °C	6.50 °C	
5. Freezers/bath Cold Chamber/ Refrigerators *	-80 °C to 200 °C	3.38 °C	Using RTD Sensors/ Thermocouple Sensors (09 Nos) & Data Logger Comparison Method
DHS/Sterilizer/ OVEN/ Water bath / ETO/COD -BOD Autoclave * OVEN/ Muffle Furnace *	200 °C to 600 °C	3.36 °C	
	600 °C to 1200 °C	6.50 °C	
6. Thermal Mapping/ Humidity Chamber *	10 °C to 44 °C 20 % to 90 % RH	0.72 °C 2.18 % RH	Data Loggers (09 Nos) Comparison Method
7. Thermal Mapping (At Single Point) *	10 °C to 40 °C 10 % to 95 % RH	0.40 °C 1.25 % RH	Using Digital Hygrometer Comparison Method

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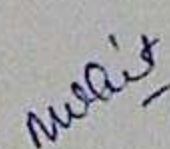
Quantity Measured / Instrument	Range/ Frequency	* Calibration Measurement Capability ( $\pm$ )	Remarks
<b>II. HUMIDITY</b>			
1. RH Indicator with Sensor / Thermo hygrometer / RH Transmitter <sup>#</sup>	30 % to 85 % RH @ 25 °C	1.23 %	Using Digital Hygrometer Comparison Method
2. Humidity Indicator of Humidity Chamber/ Generators <sup>†</sup>	30 % to 85 % RH @25 °C	1.24 % RH	Using Digital Hygrometer Comparison Method

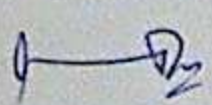
\* Measurement Capability is expressed as an uncertainty ( $\pm$ ) at a confidence probability of 95%

<sup>5</sup>Only in Permanent Laboratory

\*Only for Site Calibration

<sup>#</sup> 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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