



रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन स्वायत्तशासी निकाय)

प्रत्यायन प्रमाण-पत्र

इलेक्ट्रॉनिकी परीक्षण एवं विकास केन्द्र

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005

“परीक्षण एवं अंशशोधन प्रयोगशालाओं की सक्षमता की सामान्य अपेक्षाएँ”

बेंगलुरु, कर्नाटक

में स्थित इसकी सुविधाओं के लिए

तापीय अंशशोधन

के विषय क्षेत्र में किया गया।

(इस प्रयोगशाला के प्रत्यायन के विषय क्षेत्र की जानकारी एन ए बी एल वेबसाइट www.nabl-india.org से भी प्राप्त कर सकते हैं)

प्रमाण-पत्र संख्या अ-0013

जारी करने की तिथि 02/09/2016



वैधता की तिथि 01/09/2018

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतोषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा।

रा.प्र.प्र.बो. की ओर से हस्ताक्षरित

अ. दस,

अनिल इलिया

अशोक अंबा



NABL

National Accreditation Board for Testing and Calibration Laboratories

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

CERTIFICATE OF ACCREDITATION

ELECTRONICS TEST & DEVELOPMENT 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

100 Feet Road, Peenya Industrial Area, Bengaluru, Karnataka

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)

Certificate Number C-0013

Issue Date 02/09/2016



Valid Until 01/09/2018

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



Anil Relia



Prof. S. K. Joshi



NABL

SCOPE OF ACCREDITATION

Laboratory	Electronics Test & Development Centre, 100 Feet Road, Peenya Industrial Area, Bengaluru, Karnataka		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Thermal Calibration	Issue Date	02.09.2016
Certificate Number	C-0013	Valid Until	01.09.2018
Last Amended on	07.11.2016	Page	1 of 2

Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
I. TEMPERATURE			
1. RTD, THERMOCOUPLE (With Or Without Indicator), TEMPERATURE INDICATORS / DATA LOGGER WITH SENSORS, TEMPERATURE BATHS/ BLOCKS*	(-) 100 °C to 140 °C	0.064 °C	Using SSPRT and Read Unit & Fluke Dry Block Calibrators by Comparison Method
	0 °C	0.026 °C	
	140 °C to 660 °C	0.14 °C	
	660 °C to 1000 °C	1.7 °C	Using S-Type Thermocouple Read Unit
2. RTD, THERMOCOUPLE (With Or Without Indicator), LIQUID IN GLASS THERMOMETER ⁵	(-) 50 °C to 250 °C	0.064 °C	Using SPRT and Read Unit & Liquid Baths by Comparison Method
3. TEMPERATURE INDICATOR OF COLD CHAMBERS, OVENS, INCUBATORS, FURNACES, BATH AT SINGLE POSITION*	(-) 100 °C to 250 °C	0.064 °C	Using SSPRT and Read Unit at Single Specified Position
	250 °C to 660 °C	0.14 °C	
	660 °C to 1000 °C	1.68 °C	Using S-Type Thermocouple Read Unit at Single Specified Position
4. FREEZER, OVENS, INCUBATORS, ENVIRONMENTAL CHAMBERS BY MULTIPOSITIONING SENSORS*	(-) 75 °C to 250 °C	1.0 °C	Using Nine RTDs with Data Logger by Multi Position Calibration

Rajeshwar Kumar
Convenor

Avijit Das
Program Manager



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Quantity Measured/ Instrument	Range / Frequency	*Calibration Measurement Capability (\pm)	Remarks
II. SPECIFIC HEAT AND HUMIDITY			
1. DIGITAL /ANALOGUE HYGROMETER, RH/TEMPERATURE SENSOR WITH INDICATOR/ LOGGER / CONTROLLER ⁵	15 % RH to 95 % RH @10 °C to 70 °C 10 °C to 70 °C	0.75 % 0.2 °C	Using Digital RH Indicator with Probe calibrated at different Temperature
2. ENVIRONMENTAL CHAMBERS/ RH CHAMBER [*]	30 % RH to 95 % RH @ 25 °C	1.76 % RH	Using Digital RH Indicator with Probe Using Multi position Calibration

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

⁵ 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.

Rajeshwar Kumar
Convenor

Avijit Das
Program Manager