
	<b>PRECEDENCE CALIBRATION LABORATORY</b> PLOT/R.S DAG NO. - 231 , MOHISGOTE, KRISHNAPUR MAIN ROAD , P. O. - KRISHNAPUR, KOLKATA - 700102 .	 CC -3325
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Form No. PCL/FORM/09/01-21  
 ULR- CC33252300000348F

CALIBRATION CERTIFICATE

Certificate No: PCL/C05/063/02-23/NABL  
 Date: 28-02-2023

<b>Issued To M/s Central Pollution Control Board</b> Regional Directorate: 502, Southend Conclave, 1582, Rajdanga Main Road, Kolkata-700107 <b>Customer Reference No. (S.R. No.):</b> SRF/C05/007/02-23 dated 14-02-2023	<b>Receive Date:</b> 28-02-2023 <b>Date of Calibration:</b> 28-02-2023 <b>Recommended due date:</b> 28-02-2023 <b>Calibration Sticker No:</b> P-0593
<b>Description and Identification of instrument</b> <b>Name:</b> Temperature Controller with Sensor of Double Door Refrigerator <b>Model:</b> Eon <b>Resolution:</b> 0.1 °C	<b>Location where calibration performed:</b> In-House. <b>Make:</b> Godrej <b>Id No:</b> CPCB(RDK)/FR-07/08 <b>Accuracy:</b> Not Specified <b>Cal Range:</b> Freezer 0 to -18 °C, Cooling 2 to 5 °C

**Physical Status of item:** Good condition.  
**Environmental Condition:** Temperature: 25.0 °C +/- 3 °C, Humidity: 45% to 70 % R.H.  
**Calibration Method:** Laboratory Method for Calibration of Temperature controller with or without sensor (PCL/SOP/03/2021).  
**Standards used:**

- **ULTRA CRYOGENIC BATH** (Make: Nagman., Model: NAG CS 01, Id No: PCL/C-B/064), Cal Certificate No: PCL/INT/C-B/064/02-23, Due Date: 13.02.2024
- **Master RTD A Class with Digital Multimeter** (Make: Siglent., Model: SDM 3065-X-SC, Id No: PCL/TEMP-I/021, PCL/PT-100/024), Cal Certificate No: ERTL(E)/CAL/P359/0014/02-23/NABL, Due Date: 07.02.2024

**Traceability:** Reference Standards used for calibration are traceable to National Standards.

### Calibration Result:

**Discipline:** THERMAL

Sl. No	Specified Value in °C	Displayed		STD Value in °C (Average of 5 readings)			Expanded Uncertainty at 95% C.L in °C (±), K=2
		temp in °C	temp in °C	Cooling Zone			
		Freezer	Cooler	Freezer	Middle	Lower	
1	2-5°C 0 to (-) 18°C	Max: -17.4 Min: -8.4	Max: 4.5 Min: 2.4	-15.0 -5.9	3.9 2.1	4.3 2.9	(±)1.9

**DUC:** Device Under Calibration,

**Remarks:** The above Temperature Controller with Sensor of Double Door Refrigerator has been calibrated and the readings are tabulated above.

**Conformity Statement:** Not reported as accuracy has not specified by customer.

**Calibrated by:**

*Subham Chakraborty*  
 (Signature)

**Reviewed & Approved by:**

*Phalgun Chattopadhyay*  
 28/02/2023  
 (J.B.Chattopadhyay)  
 Authorized Signatory

**Certificate Released By:**

*Subham Chakraborty*

**Date:** 28-02-23

This Calibration Certificate refers only to the item calibrated and shall not be reproduced in part/full without the written approval of Director (Technical), Precedence Calibration Laboratory, Kolkata.