
	<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- CC33252300000343F

CALIBRATION CERTIFICATE

Certificate No: PCL/C05/057/02-23/NABL  
Date: 20-02-2023

Issued To M/s Central Pollution Control Board

Regional Directorate: 502, Southend Conclave, 1582, Rajdanga Main Road, Kolkata-700107

Customer Reference No. (S.R. No.): SRF/C05/007/02-23 dated 14-02-2023

Receive Date: 17-02-2023

Date of Calibration: 17-02-2023

Recommended due date: 17-02-2024

Calibration Sticker No: P-1260

Description and Identification of instrument

Location where calibration performed: In-House.

Name: Temperature Controller with Sensor of Double Door Refrigerator

Make: Godrej

Model: Nil

Id No: CPCB(RDK)/FR-13/14

Accuracy: Not Specified

Resolution: 0.1 °C

Cal Range: 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	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	
1	2-5°C 0 to (-) 18 °C	Max: -18.7 Min: -15.7	Max: 4.1 Min: 2.3	-17.88 -16.36	3.65 2.68	3.84 3.18	(±)1.0

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:

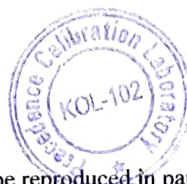
  
(Signature)

Reviewed & Approved by:

  
(J.B. Chattopadhyay)  
Authorized Signatory

Certificate Released By:





Date: 20.02.23.

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.