



PRECEDENCE CALIBRATION LABORATORY

PLOT/R.S DAG NO. - 231 ,
MOHISGOTE, KRISHNAPUR MAIN ROAD ,
P. O. - KRISHNAPUR, KOLKATA - 700102 .



CC -3325

Form No. PCL/FORM/09/01-21
ULR- CC332523000000339F

CALIBRATION CERTIFICATE

Certificate No: PCL/C05/064/02-23/NABL

Date: 18-02-2023

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: 18.02.2023
Recommended due date: 18.02.2024
Calibration Sticker No: P-1130

Description and Identification of instrument

Location where calibration performed: In-House.

Name: Dry & Wet Bulb Thermometer (Hygrometer)
Model: 0 to 50 °C
Range: 0 to 50 °C

Make: KWALITY
Id No.: LAB/04/15
Resolution: 1 °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 Thermometer (PCL/SOP/01/2021).

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
- **Silicon Oil Medium Temperature Bath** (Make: Lokenath Enterprises., Model: 300 °C, Id No: PCL/O-B/064), Cal Certificate No: PCL/INT/O-B/064/02-22, Due Date: 13.02.2023
- **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:	Standard Value in °C	Measured Value in °C		Expanded Uncertainty at 95% C.L (±) °C & k=2 in °C
		Dry	Wet	
1	15.0024	15	15	0.35
2	20.0037	20	20	0.35
3	25.0640	25	25	0.35
4	30.0487	30	30	0.34
5	45.0049	45	45	0.34

DUC: Device Under Calibration,

Remarks: The above Dry & Wet Bulb Thermometer has been calibrated and the readings are tabulated above.

Conformity Statement: Performance Check has been done as requested by customer.

Calibrated by:

Subham Bhattacharya
(Signature)

Reviewed & Approved by:

Phally 18/2/2023
(J.B. Chattopadhyay)
Authorized Signatory

Calibration Certificate released by:

Subham Bhattacharya
(Signature)

Date: 18.02.23.

This Calibration Certificate refers only to the item calibrated and shall not be reproduced in any form without the prior written permission of the Director (Technical), Precedence Calibration Laboratory, Kolkata.

PCL PRECEDENCE CALIBRATION LABORATORY
KOLKATA-700702
Sticker No: P/U/M-1130
Nomenclature: DRY & WET BULB THERMO METER
Model No: 0-50 °C S/D No: LAB/04/15
Calibration Date: 18-02-23 Auth. Sig.
Calibration Due Date: 18-02-24 SB
FOR DETAILS REFER TO CALIBRATION CERTIFICATE