



Bhagwati Calibration Laboratory

CALIBRATION CERTIFICATE



CC-2464

CC24642200005752F

Certificate Number	BCL / 2022 / 05752F	Page No	1	No. of Pages	1
SRF No & Date	2705.8 Date - 27.05.2022	Group	Temp.	Field	Thermal
Company Name	M/S : Dr. Kaushik Path Labs	Calibration Date	27.05.2022		
Address	1/2284, Ram Nagar, Main Mandoli Road, Shahdara, Delhi - 110032 Near Sashi Public School	Calibration Due Dt	26.05.2022		
		Certificate Issue Dt.	28.05.2022		
		UUC Condition	Good		

Calibration Instrument Detail

Sl	Instrument Name	Range	Least Count	Make / SI.No	Party ID / Location
1	Dig. Thermo Hygrometer	-20 to 50°C 20 to 95 % RH	0.1°C / 1 %RH	Aceteq	Lab

Standard Equipments Used (Traceable to National Standard)

Sl	Instrument Name	Make/SI No	Calibrated By	Cal Certificate No	Due Date of Cal
1	Digital Humidity Indicator with Sensor	Piyush / PE1212-01	AACPL	AACPL / 21319F	02.12.2022

Reference Standard	Calibration Purpose	Humidity	Temperature	Calibration Performed At
Comparison Method	RH & Temp. Measurement	(50 ± 20)%RH	(25 ± 4)°C	Lab

Calibration Procedure : As per Calibration Procedure Manual BCL / CPM / 03, Section No : TH/CP - 10

Set Point :- 20, 30, 50°C

Calibration Results (in°C) @50%RH

Sr. No.	Average Read. (Std.)	Average Read. (UUC)	Deviation	Uncertainty At approx 95% Confidence level and coverage factor k = 2 (in ±)
1	20.1	19.9	-0.2	1.5 °C
2	30.7	30.1	-0.6	1.5 °C
3	50.7	49.9	-0.8	1.5 °C

Set Point :- 30, 50, 70, 90 RH

Calibration Results (in RH) @25°C


Sr. No.	Average Reading (Std.)	Average Reading (UUC)	Deviation	Uncertainty At approx 95% Confidence level and coverage factor k = 2 (in ±)
1	30.19	30	-0.19	2.1 % RH
2	50.38	50	-0.38	2.1 % RH
3	70.57	70	-0.57	2.1 % RH
4	90.75	90	-0.75	2.1 % RH

Note

- 1 The calibration results reported in this calibration certificate are valid at the time of & under stated condition
- 2 This certificate cannot be reproduced except in full without our prior permission in writing
- 3 This certificate refers only to the particular item(s) submitted for calibration
- 4 UUC - Unit under calibration


Calibration Engineer




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