



AACPL CALIBRATION PVT. LTD.

CALIBRATION CERTIFICATE

7.8F-01



CC - 2646

Certificate No	AACPL / 04680F	Field	Thermal	Group	Temp. & RH	Page No.	1 of 1
SRF No & Date	210407.3	DT - 07 / 04 / 2021	ULR No.		CC2646210000 04680F		
Calibration Method :	Comparison Method			Accuracy			
Company Name	M/s Standard Diagnostics Pvt. Ltd.			Calibration Date		07.04.2021	
Address	SK-174, Sector - 116, Noida			Call. Due On (As Sugg. By Cust.)		06.04.2022	
				Certificate Issue Dt.		09.04.2021	
				UUC Condition		Good	

Calibration Instrument Detail

Sl	Instrument Name	Range	Least Count	Make	Party ID / Location
1	Dig. Thermo - Hygrometer	10 to 60 °C 1 to 99 % RH	0.1 °C / 1 % RH	HTC	THM - 01 / Lab

Standard Equipments Used (Traceable to National Standard)

Sl	Instrument Name	Make/SI.No	Calibrated At	Cal Certificate No	Cal. Valid Upto
1	Dig. Temp. & Humidity Ind.	Polltech/20275542	NCL	NCL/A/2021/15/01	14/01/2022
2	Humidity Chamber	Indecon / -----	-----	-----	-----

Reference Standard	Calibration Purpose	Humidity	Temperature	Calibration Performed At
Comparison Method	Temp. & RH Measurement	(50 ± 15) % RH	(25 ± 2) °C	Laboratory

Calibration Procedure

Comparison With Standard Sensors as per Calibration Procedure Manual AACPL/ CP / 02 Section No - CPTH - 07

Calibration Points :- 15 , 25 , 40 & 40 , 60 & 90 % RH

Calibration Results (Temperature at 50 % RH)

Sl. No.	Master Value on Std. (In °C)	UUC Value (In °C)	Deviation (In °C)	Uncertainty at approx 95% confidence Level and coverage factor k =2 is ± (°C)
1	14.72	15.1	0.38	0.47
2	25.12	25.6	0.48	0.47
3	40.36	41.1	0.74	0.47

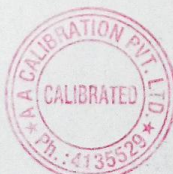
Calibration Results (Humidity at 25 °C)

Sl. No.	Master Value on Std. (In % RH)	UUC Value (In % RH)	Deviation (In % RH)	Uncertainty at approx 95% confidence Level and coverage factor k =2 is ± (%RH)
1	39.28	39	-0.28	1.63
2	59.74	59	-0.74	1.63
3	90.73	89	-1.73	1.66

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

Sanjiv
Calibrated by



Approved by
Bhoopesh Kumar
Bhoopesh Kumar
(Tech. Manager)