



# AACPL CALIBRATION PVT. LTD.

## CALIBRATION CERTIFICATE

7.8F-01



CC - 2646

Certificate No	AACPL / 09162F	Field	Thermal	Group	Temp. & RH	Page No.	1 of 1
SRF No & Date	231215.6	DT - 15 / 12 / 2023		ULR No.	CC2646230000 09162F		
Calibration Method :	Comparison Method			Accuracy			
Company Name	M/s Krsnaa Diagnostics Ltd.			Calibration Date	16.12.2023		
Address	DH Civil Hospital Guru Teg Bahadur Nagar Tarn Taran			Recommended Date for Next Calib	15.12.2024		
				Certificate Issue Dt.	18.12.2023		
				UUC Condition	Good		

### Calibration Instrument Detail

Sl	Instrument Name	Range	Least Count	Make / SI.No.	Party ID / Location
1	Dig. Thermo - Hygrometer	-10 to 50 °C 10 to 99 % RH	0.1 °C / 1 % RH	HTC -----	KDTPBMLHM11 Main Lab

### Standard Equipments Used ( Traceable to National Standard )

Sl	Instrument Name	Make/SI.No	Calibrated At	Cal Certificate No	Cal. Valid Upto
1	Dig. Hygrometer With Sensor	Polltech/20275542	NCL	NCL/A/2023/67/01	21/01/2024
2	Humidity Chamber	Indecon / -----	-----	-----	-----

Reference Standard	Calibration Purpose	Humidity	Temperature	Calibration Performed At
Comparison Method	Temp. & RH Measurement	55 % RH	26.3 °C	Laboratory

### Calibration Procedure

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

Calibration Points :- Temp. 15, 25 & 40 °C      Relative Humidity 30, 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	15.07	14.9	-0.17	0.47
2	25.12	24.8	-0.32	0.47
3	40.15	39.6	-0.55	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	30.08	30	-0.08	1.77
2	60.11	60	-0.11	1.77
3	90.14	90	-0.14	1.77

### Note

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

----- End of Certificate -----

*Aawat*  
Calibrated by



Approved by  
*Bhoopesh Kumar*  
Bhoopesh Kumar  
(Tech. Manager)