



# AACPL CALIBRATION PVT. LTD.

## CALIBRATION CERTIFICATE

7.8F-01



CC - 2646

Certificate No	AACPL / 07155F	Field	Thermal	Group	Temp.&RH	Page No.	1 of 1
SRF No & Date	230930.2	DT - 30 / 09 / 2023		ULR No.	CC2646230000 07155F		
Calibration Method :	Comparison Method			Accuracy			
Company Name	M/s Krsnaa Diagnostics Ltd.			Calibration Date	30.09.2023		
Address	SDH Rajpura, A.P Jain Civil Hospital, Rajpura (PB)			Recommended Date for Next Calib.	29.09.2024		
				Certificate Issue Dt.	03.10.2023		
				UUC Condition	Good		

### Calibration Instrument Detail

SI	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 -----	KDSDPBCCTH16 Bio Chemistry

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

SI	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	(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 :- Temp. 10, 20 & 45 °C      Relative Humidity 20, 50 & 90 % RH

### Calibration Results ( Temperature at 50 % RH )

SI. 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	10.06	9.7	-0.36	0.47
2	20.11	19.3	-0.81	0.47
3	45.15	44.1	-1.05	0.47

### Calibration Results ( Humidity at 25 °C )

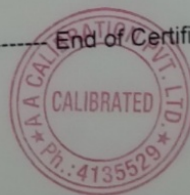
SI. No.	Master Value on Std. ( In % RH )	UUC Value ( In % RH )	Deviation ( In % RH )	Uncertainty at approx 95% confidence Level and coverage factor k =2 is ± (%RH)
1	20.08	20	-0.08	1.70
2	50.14	49	-1.14	1.74
3	90.18	89	-1.18	1.74

### 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 -----

*Aakash*  
Calibrated by



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

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