



# A A CALIBRATION PVT. LTD.

## CALIBRATION CERTIFICATE

7.8F-01



CC - 2646

Certificate No	AACPL / 09071F	Field	Thermal	Group	Temp.&RH	Page No.	1 of 1
SRF No & Date	220524.4 DT - 24 / 05 / 2022			ULR No.	CC2646220000 09071F		
Calibration Method :	Comparison Method			Accuracy			
Company Name	M/s Medicentre Sonography & Clinical Lab			Calibration Date	24.05.2022		
Address	01 Behind LIC Building, Opp. RTO Hospital Road, Dungarpur (Rj.)			Cali. Due On (As Sugg. By Cust.)	23.05.2023		
				Certificate Issue Dt.	27.05.2022		
				UUC Condition	Good		

### Calibration Instrument Detail

SI	Instrument Name	Range	Least Count	Make/SI.No.	Party ID / Location
1	Hygrometer	Up to 60 °C Up to 99 % RH	0.1 °C / 1 % RH	HTC - 1	-----

### 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/2022/11/01	10/01/2023
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. 15, 25 & 45 °C      Relative Humidity 30, 60 & 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	15.05	15.1	0.05	0.47
2	25.07	25.6	0.53	0.47
3	45.11	45.6	0.49	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	30.04	30	-0.04	1.63
2	60.06	60	-0.06	1.63
3	90.13	91	0.87	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

Vikas  
Calibrated by



Approved by  
  
Bhoopesh Kumar  
(Tech. Manager)