



AAC CALIBRATION PVT.LTD.

CALIBRATION CERTIFICATE

7.8F-01



CC - 2646

Certificate No	AACPL / 08423F	Field	Thermal	Group	Temp.	Page No.	1 of 1
SRF No & Date	220510.2 DT - 10 / 05 / 2022			ULR No.	CC2646220000 08423F		
Calibration Method :	Comparison Method			Accuracy			
Company Name	M/s Maheshwaram Hospital & Resarch (P) Ltd.			Calibration Date	10.05.2022		
Address	Mahesh Diagnostic Center C/O Post Box No. 20 Deoli -Raj.			Cali. Due On (As Sugg. By Cust.)	09.05.2023		
				Certificate Issue Dt.	12.05.2022		
				UUC Condition	Good		

Calibration Instrument Detail

SI	Instrument Name	Range	Least Count	Make/SI.No.	Party ID / Location
1	Dig. Thermometer	-50 to 110 °C	0.1 °C	Maxtech / -----	MDC/LAB/DTM/01 Laboratory

Standard Equipments Used (Traceable to National Standard)

SI	Instrument Name	Make/SI No	Calibrated By	Cal Certificate No	Cal. Valid Upto
1	Digital Multimeter	Fluke 8846A 1758003	AIPL	AIPL/2021/0809	17/11/2022
2	RTD (4 Wire) Pt-100	Tempsens / 22000211	Tempsens	TL/021/997.1.1	03/10/2022
3	Liquid Temp. Bath	Tempsens/Calsys -30 to 50	-----	-----	-----
4	Oil Temp. Bath	Tempsens/Calsys 50 to 250	-----	-----	-----

Reference Standard	Calibration Purpose	Humidity	Temperature	Calibration Performed At
DKD - R5 - 1	Temp. 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 - 03

Calibration Points :- -30 , 50 , 90 °C

Calibration Results				
SI No.	Master Value	DUC Value	Deviation In °C	Uncertainty at approx 95% confidence Level and coverage factor $k = 2$ is \pm (°C)
	In °C	In °C		
1	-29.67	-29.6	0.07	0.25
2	50.45	50.6	0.15	0.26
3	90.56	90.8	0.24	0.26

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
- DUC - Device under calibration
- Temperature Scale: International Temperature Scale Of 1990 (ITS-90)

Vikal
Calibrated by



Approved by

Bhoopesh Kumar
(Tech. Manager)

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