



A A CALIBRATION PVT. LTD.

CALIBRATION CERTIFICATE

7.8F-01



CC - 2646

Certificate No	AACPL / 00666F	Field	Thermal	Group	Temp.	Page No.	1 of 1
SRF No & Date	240124.3 DT - 24 / 01 / 2024			ULR No.	CC2646240000 00666F		
Calibration Method :	Comparison Method			Accuracy			
Company Name	M/s Hira Clinical Lab			Calibration Date	24.01.2024		
Address	Civil Hospital, Hoshiarpur - (PB.)			Recommended Date for Next Calib.	23.01.2025		
				Certificate Issue Dt.	25.01.2024		
				UUC Condition	Good		

Calibration Instrument Detail

SI	Instrument Name	Range	Least Count	Make / SI.No.	Party ID / Location
1	Glass Thermometer	-10 to 50 °C	2 °C	-----	HCL/LAB/GTM/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/160123/2-4	19/01/24
2	RTD (4 Wire) Pt-100	Tempens / 24000368	Tempens	TL/023/1176.1.1	10/10/24
3	Liquid Temp. Bath	Tempens/Calsys -30 to 50	-----	-----	-----

Reference Standard	Calibration Purpose	Humidity	Temperature	Calibration Performer	At
IS : 6274	Temp. Measurement	53 %RH	23.8 °C	Laboratory	

Calibration Procedure

Comparison With Standard Sensors as per Calibration Procedure Manual AACPL / CP / 02, Section No : CPT 6

Calibration Points :- -4 , 20 , 40 °C

Calibration Results

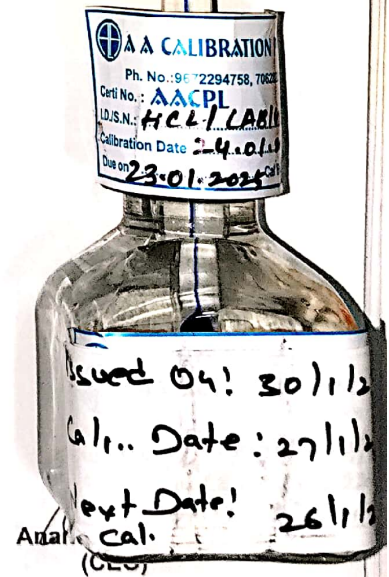
SI No.	Master Value	DUC Value	Deviation	Uncertainty at approx 95% confidence Level and coverage factor $k = 2$ (°C)
	In °C	In °C	In °C	
1	-4.04	-4	0.04	1.18
2	20.11	20	-0.11	1.18
3	40.16	40	-0.16	1.18

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)

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

Away
Calibrated by



LAB :- Plot No. C-18, Sector-13, First Floor, "Vasundhara, Haat" Vasundhara, Ghaziabad - 201012
Ph. : 0120-4135529, Mob. : 9212172564, 9212172597
E-mail : aacplinfo2005@gmail.com, accplinfo@rediffmail.com



ON/OFF C/F



A A CALIBRATION PVT. LTD. CALIBRATION CERTIFICATE

7.8F-01



CC - 2646

Certificate No	AACPL / 00652F	Field	Elec. Tech.	Group	Page No.	1 of 1
SRF No & Date	240124.1 DT - 24 / 01 / 2024	ULR No.		CC2646240000 00652F		
Calibration Method :	Direct Method			Accuracy		
Company Name	M/s Hira Clinical Lab	Calibration Date		24.01.2024		
Address	Civil Hospital, Hoshiarpur - (PB.)	Recommended Date for Next Calib.		23.01.2025		
		Certificate Issue Dt.		25.01.2024		
		UUC Condition		Good		

Calibration Instrument Detail

SI	Instrument Name	Range	Least Count	Make / SI.No.	Party ID / Location
1	Dig. Timer	0 - 99 min	1 min	Remi ZBIN-25712	HCL/LAB/CF/02 Laboratory

Standard Equipments Used (Traceable to National Standard)

SI	Instrument Name	Make/SI No	Calibrated By	Cal Certificate No	Cal. Valid Upto
1	Dig. Time Interval Calibrator	Digital Instrumentation / 260821	VTC	CC360623000002158F	18/10/2024

Reference Standard	Calibration Purpose	Humidity	Temperature	Calibration performed At
NIST 960 - 12	Time Measurement	55 % RH	26.98 °C	Site

Calibration Procedure : As per Calibration Procedure Manual AACPL / CP / 03, Section No : CPET - 02

Calibration Result

SI	Selected Range (In s)	Average Read. (Std.) (In s)	Average Read. (UUC) (In min)	Deviation (In s)	Uncertainty at approx 95% confidence Level and coverage factor $k = 2$ is \pm
1	300	299.897	5	0.103	34.64 s
2	900	899.781	15	0.219	34.64 s
3	1800	1799.732	30	0.268	34.64 s

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

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

Calibrated by



Approved by

Bhupesh Kumar
(Tech. Manager)

LAB :- Plot No. C-18, Sector-13, First Floor, "Vasundhara, Haat" Vasundhara, Ghaziabad - 201012
Ph. : 0120-4136620, Mob. : 9212172604, 9212172607
E-mail : aacplinfo2008@gmail.com, aacplinfo@rediffmail.com