



Perfect Calibration Centre Pvt. Ltd.

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CC - 2247

NABL LAB FOR : MECHANICAL • THERMAL • ET • AIR / FLUID FLOW • FORCE • MASS • OPTICAL

CERTIFICATE OF CALIBRATION

ULR-CC224722000008915F
 ISSUE DATE:26/04/2022

CERTIFICATE NO.: PC - 04 - 22 / ATL / 1235 - 02

CUSTOMER : M/s.SRI SAMRAJ LABS.,
 ADDRESS : 1A/24,BHARATH TOWERS,BY PASS ROAD,
 THIRUVARUR-610 001.
 CUST REF : SRF.NO :1235 , DATED : 26/04/2022
 DEPT. : AT LAB

CAL DATE : 26/04/2022
 DUE DATE : 25/04/2023
 PAGE NO. : 1/1
 DISCIPLINE : THERMAL

DETAILS OF DEVICE UNDER CALIBRATION

DATE OF RECEIPT : 26/04/2022

PHYSICAL CONDITION ON RECEIPT : SATISFACTORY

DIGITAL THERMO HYGROMETER

MAKE	---	MODEL	HTC - 1
TYPE	DIGITAL	RANGE	-50 to 70°C / 10 to 99% RH
ID NO	SSLTVR / EQP / MT / 21	L. C.	0.1°C & 1%RH
ENVIRONMENTAL CONDITIONS:			
TEMPERATURE : 25 ± 3°C		HUMIDITY : 60 ± 15%RH	
STANDARD USED	ID.NO./SL.NO.	CERT.NO	VALIDITY
TEMP.& HUMIDITY METER WITH SENSOR	PCCPL/TH/HM/06	GCL/21-22/1139-01	30/09/2022
SSPRT WITH INDICATOR	1830	21090661/D1.03/C-089	29/09/2023

The standards used are traceable to National / International Standards.
 Cal Procedure No: PCCPL/CAL/TH/001.009

COMPARISON METHOD

CALIBRATION RESULTS FOR TEMPERATURE @ 50% RH

Sl No.	STD Reading(°C)	DUC Reading(°C)	Observed Deviation(°C)	Measurement Uncertainty (±) °C
1	-29.623	-29.5	0.123	0.14
2	0.517	0.4	-0.117	0.14
3	25.468	25.2	-0.268	0.14
4	35.061	34.7	-0.361	0.14
5	48.126	47.7	-0.426	0.14

CALIBRATION RESULTS FOR HUMIDITY @ 25°C

Sl No.	STD Reading(%RH)	DUC Reading(%RH)	Observed Deviation(%RH)	Measurement Uncertainty (±)%RH
1	10.59	10	-0.59	1.24
2	31.67	31	-0.67	1.24
3	48.29	47	-1.29	1.24
4	62.91	60	-2.91	1.24
5	92.56	90	-2.56	1.24

Conclusion Remarks :

- The Reported Uncertainty is at coverage factor k=2, which corresponds to a confidence level at 95%.
- Standard & DUC readings is an average of Five repeated readings.

END OF CERTIFICATE

SANTHOSH KUMAR.V
 CALIBRATION ENGINEER
 CALIBRATED BY



SANTHOSH KUMAR.V
 CALIBRATION ENGINEER
 CHECKED BY



SRINIVASAN.S
 MANAGING DIRECTOR
 AUTHORISED SIGNATORY

THIS REPORT RELATES ONLY TO THE ITEM(S) SUBMITTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF M/s. PERFECT CALIBRATION CENTRE PVT. LTD. ALL REFERENCE STANDARDS USED ARE TRACEABLE TO NATIONAL / INTERNATIONAL STANDARDS AS PER ISO / IEC 17025 - 2017 . THE RESULTS REPORTED ARE VALID AT THE TIME AND UNDER STATED CONDITIONS OF MEASUREMENTS. THE CALIBRATION INTERVAL IS TO BE DECIDED BY THE "USER" QF/7.8/01

BLR 9494