



ACCURATE CALIBRATION LABORATORY & SERVICES

(A NABL Accredited Laboratory as per ISO/IEC 17025:2017)

Plot No. 33/B, Sakkubai Residency, Main Road, Mallapur Hyderabad-500 076.

Ph: 040-27245979 Mobile : +91-7893635977, 9573896969.

E-Mail : accuratenabl@gmail.com, accuratecalibrationlab@gmail.com Website : www.acls.co.in



CC - 3373

CALIBRATION CERTIFICATE

Format No.:ACLS_CC_T

Page No. : 01 of 01

ULR Number :	CC337323000000370F		Discipline: Thermal/Specific Heat & Humidity	
Certificate Number	Date of Receipt	Date of Calibration	Suggested Next Date of Calibration	Date of Issue
ACLS/2023-24/083/HM-002	25/09/2023	28/09/2023	27/09/2024	29/09/2023

1.0	Calibration Request Number	:	083
2.0	Name & Address of the Customer	:	M/s. Bioline Laboratory, 6,7& 15 Dolly Arcade, Near Harley's Bakery,New Nagole, L.B. Nagar, Telangana-500068.
3.0	Details of Device Under Calibration		
3.1	Nomenclature	:	Digital Thermohygrometer
3.2	Make	:	HTC
3.3	Model/ Type Number	:	HTC-1
3.4	Range	:	0 to 50°C & 0 to 100 % RH
3.5	Resolution	:	0.1°C & 1% RH
3.6	Accuracy	:	± 1°C & ± 5% RH
3.7	Identification Number	:	BL/HM-02
4.0	Work Instruction /Procedure	:	ACLS_T_WI_008
5.0	Condition of the item on receipt	:	Physically OK
6.0	Unit of Measurement	:	(°C/%RH)
7.0	Range of Environmental Conditions of the Measurement	:	Temperature : (25 ± 4)°C Relative Humidity : 30 % to 75%
7.1	Actual Environmental Conditions at the time of measurement	:	Temperature : 24.2°C Relative Humidity : 62% RH
8.0	Calibration Performed at	:	Thermal Lab
9.0	Reference Method	:	DKD-R-5-1 & ITS-90
10.0	Details of reference Standards	:	

S.No.	Nomenclature	Serial Number	Certificate No.	Validity
10.1	Digital Humidity Temperature Meter with Sensor	1221/20482481	TSC/22-23/10135-2	13 OCT 2023

11.0 Results Summarized : Relative Humidity @ 50 % RH

S.No.	Set Temp. in(°C)	STD Reading in (°C)	DUC Reading in (°C)	Deviation in (°C)	Uncertainty in ± (°C)
11.1	5.0	5.06	5.0	-0.06	0.29
11.2	20.0	20.09	20.0	-0.09	0.29
11.3	30.0	30.12	29.9	-0.22	0.29
11.4	40.0	40.14	39.8	-0.34	0.29
11.5	50.0	50.14	49.8	-0.34	0.29

Temperature @ 25°C

S.No.	Set % RH	STD Reading in (%RH)	DUC Reading in (%RH)	Deviation in (% RH)	Uncertainty in ± (% RH)
11.6	10.0	10.11	10	-0.11	2.20
11.7	35.0	34.95	35	0.05	2.20
11.8	50.0	49.93	49	-0.93	2.20
11.9	75.0	74.86	74	-0.86	2.20
11.10	95.0	94.84	94	-0.84	2.20

- 12.0 Remarks :
- 12.1 DUC Stands for Device Under Calibration
- 12.2 The Certificate refers only to the particular item submitted for calibration
- 12.3 Report results are valid at the time of and under the stated conditions of the Measurement
- 12.4 Reproduction of this certificate in any form is not permitted without the written consent of ACLS
- 12.5 Errors if any ,in this certificate shall be brought to notice within 45 days from the date of this certificate
- 12.6 Measurement uncertainty reported is at approximately 95.45 % confidence level with K=2 as per guideline NABL 141
- 12.7 The measurment data reported is as found without any adjustment
- 12.8 Standard used for calibration were traceable to National / International standards

Calibrated by
CH.Nagagopi
Cal.Engg.

*** End of Certificate***



Authorised by:
N.Sreedhar
(Quality/Technical Manager)