



Accreditation Certificate No.: CC-2689
(Electro-Technical, Mechanical
& Thermal Calibration)



Hi-Tech Laboratory & Services

(A House of Measurements & Calibration)

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CALIBRATION CERTIFICATE

(Form No. HTLS/OF/7.8.1/01 (Amendment No. 00 Dated 1st January 2020))

ULR : CC268920100009252F	Thermal Calibration	Certificate Issue Date: 15.12.2020
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Certificate No	Received On	Received Condition	Calibration On	Calibration Due	Page No.
HTLS/20/BH/894.07	12.12.2020	working	12.12.2020	11.12.2021 (As per customer requirements)	1 of 1

- 1) a. Calibrated for: M/s Bansal Hospital ,
C - Sector, Shahpura ,
Bhopal - 462 016. (M.P.)
- b. Name of Equipment /Instrument : Digital Thermo Hygrometer
- c. Calibration Location : At Lab

2) Description & Identification of Equipments / Instruments Under Calibrations (EUC*):

Manufactured by	Model / Type	Serial No.	Identification No.
HTC	HTC-2	---	BH/LM/Hyg/01/Patho
Temp.Range	Least Count	Calibrated Range	Declared Accuracy
-10 to 50 °C	0.1°C	20.3 to 40.9 °C	± 1 °C
RH Range	Least Count	Calibrated Range	Declared Accuracy
10 to 99% RH	1 % RH	29 to 90 %RH	± 3% RH

3) Standards/ Calibrator & Measuring Equipments Used :

Standards Used	Make	Serial No.	Traceability Certificate No.	Validity
Digital Temp & Humidity Meter	HTC	130227470 / HTLS/HM/01	CAL/19-20/CC/4523 CC224820000000371F	09.02.2021
with environment chamber .				
The Standards used for calibration were calibrated by using reference standard traceable to National Standard.				

4) Principle /Methodology of Calibration & Procedure :

Methodology adopted for Calibration is as per HTLS Procedure NO.HTLS/CP/THM - 01,

5) Calibrated Results: Temperature Measuremnt at 50% RH

Sl. No.	Unit	EUC Value (Average)	Standard Value (Average)	Deviation	Expended Uncertainty (±)
a.	° C	20.3	19.95	0.35	0.55°C
b.	° C	30.2	29.77	0.43	
c.	° C	40.9	39.48	1.42	

RH Measurement Temp. at 25°C

Sl. No.	Unit	EUC Value (Average)	Standard Value (Average)	Deviation	Expended Uncertainty (±)
a.	% RH	29	30.07	-1.07	2.4 %
b.	% RH	61	62.40	-1.40	
c.	% RH	90	91.90	-1.90	

The values have been rounded off as per IS:2-1990(whenever applicable).

Expended uncertainty reported is at approx.95% condidence level with K=2.

- 6) Environmental Condition: a) Temperature: 25±2°C b) Humidity: 60±15%

7) Calibration Status & Remark :

- a. A Calibration Sticker has been affixed on EUC*.
b. The Digital Thermo Hygrometer has been calibrated and found to be within accuracy limit.
c. Refer to report before use.

*****END OF THE CERTIFICATE*****

Calibrated by :
RAHUL PARMAR
Calibration Engineer



Approved by :
SANJAY BAIS
Quality Manager


