



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



Hi-Tech Laboratory & Services

(A House of Measurement & Calibration)

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CALIBRATION CERTIFICATE

(Form No. HTLS/QE/7.8.1/01 (Amendment No. 00 Dated 11 January 2020))

ULR : CC268920100009248F **Thermal Calibration** **Certificate Issue Date: 15.12.2020**

Certificate No	Received On	Received Condition	Calibration On	Calibration Due	Page No.
HTLS/20/BH/894.03	12.12.2020	working	12.12.2020	11.12.2021 <small>(As per customer requirements)</small>	1 of 1

1) a. Calibrated for:

M/s Bansal Hospital ,
C - Sector, Shahpura ,
Bhopal - 462 016. (M.P.)

b. Name of Equipment /Instrument :

Water Bath
(Knobe Type)

c. Calibration Location : At Site

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

Manufactured by	Model	Serial No.	Identification No.
KEMI	KWB-150	7475	BH/LM/Patho/Water Bath/18

Range	Least Count	Calibrated Range	Declared Accuracy	Location
30 to 90 °C	5°C	40 to 90°C	± 2° C	---

3) Standards/ Calibrator & Measuring Equipments Used :

Standards Used	Make	Sr.No./I.D.No.	Traceability Certificate No.	Validity
Precision Thermometer with pt-100 Sensor	Lutron	HTLS/DTI/01 I.183289	HTC/2020/01/797 CC24782000000797F	10.01.2021

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/TH-02

5) Calibration Results: Digital Temp. Controller Make: Selec, Model: TC544.

Sl. No.	Unit	EUC Value	Standard Value (Average)	Deviation	Expended Uncertainty (±)
a.	° C	40	40.56	-0.56	0.70
b.	° C	60	60.61	-0.61	
c.	° C	80	80.63	-0.63	
d.	° C	90	90.65	-0.65	

The values have been rounded off as per IS:2-1960(whenever applicable).

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

Temperature scale :International Temperature Scale -1990.

6) Environmental Condition(s):

a) Temperature: 25±3°C

b) Humidity: 60±15%

7) Calibration Status & Remark :

- A Calibration Sticker has been affixed on EUC*.
- The Water Bath has been calibrated and found to be within accuracy limit.
- Refer to report before use.

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

Calibrated by:
RAHUL PARMAR
Calibration Engineer



Approved by:
SANJAY BAIS
Quality Manager


