

CALIBRATION CERTIFICATE

Identification of Instrument: Refrigerator Thermometer			
Make/Model No:	BLUE STAR / CHBK500A	Serial no:	CHBK500A17M01879
Calibration Done on:	8/21/2020	Calibration Due Date:	8/20/2021
Reference Standard: Calibrated Thermometer			
Make/Model No:	Mextech/Multi Thermometer	Serial no:	M20883268
Calibration Done on:	15/03/2020	Calibration Due Date:	15/03/2021
Calibrated For: District Hospital, Pathology Lab, Jhansi			
Certificate no: 213(01)/TG/0320			

Temp. of Ref Thermometer	2°C	4°C	6°C	8°C
S. No.	Temp.reading of Device	Temp.reading of Device	Temp.reading of Device	Temp.reading of Device
1	2.03	4.1	6.14	8.18
2	2.03	4.15	6.15	8.3
3	2.07	4.09	6.18	8.2
4	2.09	4.11	6.18	8.15
Avg	2.06	4.11	6.16	8.21

Calibration Result:

SN.	Scale	Standard Value	Device Value (Avg)	Correction
1	Degree Celcius	2	2.06	0.06
2	Degree Celcius	4	4.11	0.11
3	Degree Celcius	6	6.16	0.16
4	Degree Celcius	8	8.21	0.21

Reference: SMILE Johns Hopkins University Baltimore, MD USA

Shashank Yadav

Calibration Done By
Mr. Shashank Yadav
Quality Specialist
POCT Services

Dr. R. K. Saxena

Name & Signature
Dr. R. K. Saxena
Lab Incharge
District Hosoidal, Jhansi

सिपेट : इंस्टीट्यूट ऑफ प्लास्टिक्स टेक्नोलॉजी (आई.पी.टी.)
CIPET : INSTITUTE OF PLASTICS TECHNOLOGY (IPT)
(रसायन एवं पेट्रोसायन विभाग)
(Department Of Chemicals & Petrochemicals)



CIPET सिपेट
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(रसायन एवं उर्वरक मंत्रालय, भारत सरकार)
(Ministry Of Chemicals & Fertilizers, Govt. of India)

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अंशांकन प्रमाण पत्र / Calibration Certificate

ULR No. : CC274520000001506F

CERTIFICATE NO. :	213(01)/TG/0320	SHEET 1 OF 1
CALIBRATION OF :	Digital Thermometer	
CALIBRATED ON :	15.03.2020	CALIBRATION DUE: 15.03.2021

1. Calibrated for : M/S UHM
Kanpur
2. Service Request No. & date :
3. Identification of Device Under Calibration (DUC) :
 - a) Range : -50 to 300 °C
 - b) Least Count : 0.1 °C
 - c) Calibrated Range : 2 to 8 °C
 - d) Make/Model : MEXTECH / Multi thermometer
 - e) Serial No. : M20883268
 - f) Location : UHMDH/PP/TM-01



4. Standard & Major equipment(s) used for calibration :

Standard(s)	Range/Leastcount	Limit of Accuracy/ Uncertainty in meas.	Traceability/ Validity
PRT Sensor with Digital Indicator & Low Temperature Bath	-40 to 600 °C 0.001 °C	(+/-) 0.34 °C	16(01)/TC/0519 12.05.2020

5. Environmental Condition(s) : Temperature : 23±2°C Relative Humidity: 50±10%
6. Calibration Procedure: CCC/CP-T/01

7. Calibration Result:

Sl. No.	Scale	DUC Value	Std. Value (Avg)	Correction
a.	°C	2	2.2142	0.2142
b.	°C	5	5.3248	0.3248
c.	°C	8	8.2508	0.2508

**Expanded Uncertainty of measurement = ± 0.37 °C
with coverage factor k=2 at 95.45 % of confidence level.

8. Inference :

- (a) The correction is positive except when indicated otherwise, it has to be algebraically added to the DUC value in order to get actual value.
- (b) The calibration certificate shall not be reproduced except in full without written approval of laboratory .
- (c) The above result related only to the instrument submitted in as received condition .
- (d) The above values are reported as such and may be taken accordingly whenever in use.
- (e) Label affixed on device

Checked by

Approved by
Authorized Signatory

VIVEK KUMAR
Sr. Technical Officer
(Quality Manager)