



TMSCC

TESTING MACHINE SERVICE AND CALIBRATION CENTRE
Precision is Our Destination.....

An ISO 9001 : 2015 Certified company
Calibration of Various Instruments & Testing Machines...



CC - 3125

Form No.: TMSCC/R/23

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO.: 2023/11/1216 Page 1 of 1

ISSUE DATE: 11-Nov-2023

ULR No.: CC312523000016938P

1.0 ISSUED TO: M/s. Divine Touch Medi-Clinic
Colonel Chowmhani, Near SBI TLA House,
Branch - Agartala, Tripura(West) - 799001.

1.1 Service Request Form No.: SRF/2023/11/10/04

1.2 Service Request Date: 10-11-2023

1.3 Location: At Lab

1.4 Description identification of item to be calibrated:

i Name:	Digital Thermo-Hygrometer	ii Make:	Winner
iii Model / Type No.:	TH402	iv S/L No.:	--
v I.D.No.:	DIVINE/LAB/HYGRO/01	vi Job Code No.:	2023/11/1216
vii Range:	[(-)50 to 70]°C/(10 to 99)%	viii Resolution:	0.1°C/ 1%
ix Accuracy:	As Per DKD R5 - 1 & DKD-R5-7	x End User:	--

1.5 Full / Partial Calibration: Partial Calibration

1.6 Applicable specification of item to be calibrated: Accuracy / permissible limit: Not Specified.

1.7 Date of receipt of item: 10-Nov-2023 1.8 Date of calibration: 10-Nov-2023

1.9 Calibration due on: 9-Nov-2024 2.0 Frequency of calibration once in: 12 Months

2.1 Environmental condition during calibration: Temperature: 25.2°C
Humidity: 52% RH

2.2 Basis of calibration: SOP/10/02, SOP/10/04

2.3 Traceability: Standards used for calibration are traceable to National Standards through NABL accredited Laboratory.

Name of Instrument	SL No. / Id no.	Certificate No.	Lab Certificate No.	Calibrated on	Due on
Temp. & Humidity Probe with Indicator	(Sl. No.: No. - 2022C01005/ 20571921)	ATLT/090323/001	CC-2590	06-03-2023	06-03-2024
Digital Temperature Indicator with Sensor(RTD)	(Sl. No. - 18K588073) (Sensor Sl. No. - 19102403)	TSC/22-23/12095-36	CC - 2231	17-11-2022	17-11-2023

CALIBRATION RESULTS

SL No.	Ref. Bath set in °C	Observed Reading at DUC in °C (Avg. of five readings)	Observed Reading at Ref. Std. in °C (Avg. of five readings)	Error in °C	Uncertainty in ± °C	Acceptance Criteria
1	-35.0	-35.0	-34.930	0.070	0.18	Pass
2	-10.0	-10.0	-9.980	0.020	0.18	Pass
3	20.0	20.0	19.960	-0.040	0.18	Pass
4	25.0	25.0	24.950	-0.050	0.18	Pass
5	70.0	70.0	69.859	-0.141	0.31	Pass

Maximum Permissible Error: ± 0.3% of rdg

SL No.	Ref. Source set in %	Observed Reading at DUC in % (Avg. of five readings)	Observed Reading at Ref. Std. in % (Avg. of five readings)	Error in %	Measurement Uncertainty in ± %	Acceptance Criteria
1	20	20	20.5	0.5	1.3	Pass
2	25	25	25.6	0.6	1.3	Pass
3	50	50	51.2	1.2	1.3	Pass
4	70	70	71.7	1.7	1.3	Pass
5	95	95	97.3	2.3	1.3	Pass

Maximum Permissible Error: ± 3% of rdg

Measurement Uncertainty at 95% Confidence Level where Coverage Factor k = 2

REMARKS : The DUC has been calibrated over its range. The readings observed are tabulated above. The reference standard is traceable to National standard.

DUC: Device Under Calibration.

Physical Status of the DUC: OK

Calibrated By:

J. Bhattacharjee
(Sr. Calibration Engineer)

Checked By:

C. Ghosh
(Technical Director)



Approved By:

P. K. Modak
(Sr. Calibration Engineer)

END OF CERTIFICATE