



# MEASURE TECHNO LAB

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CC - 2545

## CALIBRATION CERTIFICATE OF DIGITAL THERMO HYGROMETER

CALIBRATION CERTIFICATE NO.: MTL / MCL / R08 / 12 - 23

ULR - CC254523000042717F

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1.0 Service Request No.: MTL / 12B / 12 / 23 - 24

1.1 Issued to: M/s. Mukherjee Clinical Laboratory,  
43/C/5, Jatindra Sarani, Champadali,  
North 24 Parganas, Kolkata - 700124.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Digital Thermo Hygrometer	b) Code No.:	MCL / DTH - 01
	c) Sl. No.:	N.S.	d) Make:	N.S.
	e) Model / Type:	HTC - 1	f) Range:	As Per Report
	g) Sensor:	N.A.	h) Resolution:	0.1 °C & 1 % RH
	i) End User:	Lab	j) Accuracy:	N.S.
	k) Calibration done at:	On Site / √ In House		

1.3 Date of receipt of item : 12-12-23

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 13-12-23

1.6 Recommended date of next calibration : 13-12-24

1.7 Date of Issue : 14-12-23

1.8 Environmental Conditions During Calibration: Temperature: 25 °C ± 4 °C

Humidity: 30 % RH to 75 % RH

1.9 Method of Calibration: SOP / TH / HU - 01

2.0 Traceability :

a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

b) The following standards / Equipment have been used.

i) Temperature & Humidity Meter Cal. Certificate No. JRPM-CF-2023-THER-CSRF-880-C-1488 (JRPM, Chennai) (Cal. Date: 17/07/23, Due Date: 16/07/24)

2.1 Result :

Thermal Calibration : (Specific Heat & Humidity.)

Sl. No.	Parameter/ Range	Measured Value on DUC °C	Corrected Std. Value °C	Error °C	Measurement Expanded Uncertainty ± °C & % RH
At 50 % RH					
1.	Temperature	10.4	10.64	-0.24	0.89
2.		29.8	30.11	-0.31	0.89
3.		39.6	39.99	-0.39	0.89
4.		48.2	48.67	-0.47	0.89
At 25 °C					
	Humidity	% RH	% RH	% RH	
1.		24	24.84	-0.84	1.81
2.		49	50.64	-1.64	1.81
3.		68	70.11	-2.11	1.81
4.		88	90.77	-2.77	1.81

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.

ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.

iii) Error = DUC Reading - Standard Reading.

iv) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration

N.S. - Not Specified

N.A. - Not Applicable

Std. - Standard

Opinions and Interpretations

Calibrated	√	Accepted / Valid for use
Limited Use		Rejected / Out of use

Calibration Engineer  
Calibrated by:  
Measure Techno Lab  
Kolkata  
Calibration Engineer

Checked / Approved

Quality / Technical Manager  
S. Pandey

Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04 Rev. Date : 01.04.22