

MK BEST CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY AS PER ISO/IEC17025 : 2017

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CC-3340

CERTIFICATE OF CALIBRATION

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ULR No	CC334022000014932F	Date of Calibration	16.08.2022	Date of Receipt	16.08.2022
Certificate No	MKBL/22/08/0984-001	Recom. Due Date	15.08.2023	Date of Issue	16.08.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S., THIANGA CLINICAL LAB, NO : 18 , NASIMUTHU NAGAR , BOY'S HIGH SCHOOL ROAD , PATTUKKOTTAI - 614 602 .	Description	THERMO HYGROMETER
	Make / Model	IITC - 1 / IITC - 1
	Range	-10 to 50 ° C / 10 to 99 % RH / 0.1 ° C / 1 % RH
	Serial No	---
	ID No	TCL/EQP/GEN / 05
	Manufacturer Name	---
	Calibrated at	LAB

STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)				
S.No	Description	Id.No/SI. No	Certificate No	Validity
01	Temperature & Humidity Indicator with sensor	MK/CAL-43 / HTI042K152714	CRMTL/01/422101234-A5	04.07.2023

ENVIRONMENTAL CONDITIONS		REFERENCE STANDARD	
Temperature	25 ± 4°C	Procedure No	MKBCS - TH - 09
Humidity	30 - 75 % RH	Condition of DUC	Good

CALIBRATION RESULTS				
I.THERMAL CALIBRATION TEMPERATURE				
Parameter / Range	Standard Reading (°C)	DUC Reading (°C)	Deviation (°C)	Expanded Uncertainty (±) (°C)
Temperature @ 50% RH	25.05	25.2	0.15	0.42
	30.12	30.2	0.08	
	35.16	35.3	0.14	
	40.18	40.4	0.22	
Parameter / Range	Standard Reading (%RH)	DUC Reading (%RH)	Deviation (%RH)	Expanded Uncertainty (±) %RH
Humidity @ 25°C	30.1	32	1.9	1.52
	50.1	52	1.9	
	70.2	73	2.8	
	90.2	93	2.8	

Remarks :

- The Expanded Uncertainty Associated with the Results is Calculated at a Confidence Level of Approximately 95% with a Coverage factor of K=2.
- The Calibration Certificate Shall not be Reproduced Except In Full, Without Written Approval Of The Laboratory.
- The Recalibration Interval Should be Determined on the User Requirement.
- The Results Stated In This Certificate Relate Only to the Item Calibrated.
- The User Should Determine The Suitability Of The Instrument For Its Intended Use.

x-x-x-x End Of Certificate x-x-x-x

Calibrated by

Authorised by

S. Murugesan
(Calibration Engineer)

L. Magesh
(MD/QM)

