

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	CC334022000014527F	Date of Calibration	10.08.2022	Date of Receipt	10.08.2022
Certificate No	MKBL/22/08/0964-001	Recom. Due Date	09.08.2023	Date of Issue	13.08.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S ., ALPHA CARE SPECIALITY LAB , D.J COMPLEX , DEVARSHOLA ROAD , GUDALUR , THE NILGIRIS - 643 212 .	Description	TIHERMO HYGROMETER
	Make / Model	HTC - I
	Range	-10 to 50 ° C / 10 to 99 % RH / 0.1 ° C / 1 % RH
	Serial No	---
	ID No	ACL / 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	20.12	20.0	-0.12	0.42
	30.22	30.1	-0.12	
	40.36	40.2	-0.16	
	50.38	50.3	-0.08	

Parameter / Range	Standard Reading (%RH)	DUC Reading (%RH)	Deviation (%RH)	Expanded Uncertainty (±) %RH
Humidity @ 25°C	30.5	30	-0.5	1.52
	50.5	50	-0.5	
	70.4	69	-1.4	

Remarks :

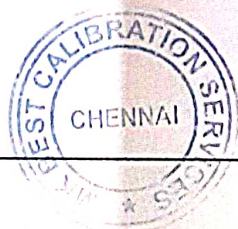
- The Expanded Uncertainty Associated with the Results is Calculated at a Confidence Level of Approximately 95% with a Coverage factor of K=2.
- The Calibration Certificate Shall not be Reproduced Expect In Full,Without Written Approval Of The Laboratory.
- The Recalibration Interval Should be Determined 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)