MK BEST CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY AS PER ISO/IEC17025 : 2017

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CC-3340

CERTIFICATE OF CALIBRATION

FF/7.8/01

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URL No	CC334022000015793F	Date of Calibration	05.09.2022	Date of Reciept	05.09.2022
Certificate No	MKBL/22/09/1075-004	Recom. Due Date	04.09.2023	Date of Issue	05.09.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S. SRI BAALAJI CLINICAL LAB , VILLUPURAM.	Description	THERMO HYGROMETER
	Make / Model	HTC / HTC - 1
	Range	-10 to 50 ° C / 10% 99%RH
	Resolution	± 0.1 ° C / ± 1%RH
	ID / No	SBV/EQP/GEN/05
	Serial No	----
	Location	---
	Calibrated at	LAB

STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)

S.No	Description	Id.No/Sl. 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

1.THERMAL CALIBRATION TEMPERATURE

Parameter / Range	Standard Reading (°C)	DUC Reading (°C)	Deviation (° C)	Expanded Uncertainity (±) (° C)
Temperature @ 50% RH	20.22	20.4	0.18	0.31
	30.12	30.5	0.38	
	40.08	40.5	0.42	
	50.14	50.6	0.46	

Parameter / Range	Standard Reading (%RH)	UUC Reading (%RH)	Deviation (%RH)	Expanded Uncertainity (±) %RH
Humidity @ 25°C	30.3	31	-0.7	1.42
	50.3	52	-1.7	
	70.4	73	-2.6	
	90.4	93	-2.6	

Remarks :

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

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

Calibrated by
S.Chandra Bose
(Calibration Engineer)

MK BEST CALIBRATION SERVICES CHENNAI

Authorised By
L.Magesh
(MD/QM)