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	CC334022000013014F	Date of Calibration	21.07.2022	Date of Reciept		21.07.2022
Certificate No	MKBL/22/07/0872-004	Recom. Due Date	20.07.2023	Date of Issue		25.07.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S ., RAJALAKSHMI CLINICAL LAB , NO : 51/2 , PONDY ROAD , MARAKKANAM - 604 303 .	Description	THERMO HYGROMETER
	Make / Model	---
	Range	-10 to 50 ° C / 10 to 99 % RH /0.1 ° C / 1 %RH
	Serial No	---
	ID No	RCL/EQP/CB/006
	Manufacturer Name	HTC
	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	20.14	20.2	0.06	0.42
	30.62	30.3	-0.32	
	40.74	40.3	-0.44	
	50.14	49.3	-0.84	

Parameter / Range	Standard Reading (%RH)	DUC Reading (%RH)	Deviation (%RH)	Expanded Uncertainity (±) %RH
Humidity @ 25°C	30.2	31	0.8	1.52
	40.4	41	0.6	
	50.8	51	0.2	
	60.7	63	2.3	

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.Suresh Kumar
(Calibration Engineer)

MK BEST CALIBRATION SERVICES CHENNAI

Authorised by

L.Magesh
(MD/QM)