

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	CC334022000014531F	Date of Calibration	10.08.2022	Date of Receipt	10.08.2022
Certificate No	MKBL/22/08/0965-001	Recom. Due Date	09.08.2023	Date of Issue	13.08.2022

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S ., BIO TECH DIAGNOSTIC CENTRE , ULUNDUR PET .	Description	THERMO HYGROMETER
	Make / Model	HTC - 1
	Range	-10 to 50 ° C / 10 to 99 % RH / 0.1 ° C / 1 %RH
	Serial No	---
	ID No	BTU / 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/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 Uncertainty (±) (° C)
Temperature @ 50% RH	20.12	20.0	-0.12	0.42
	30.22	30.1	-0.12	
	40.34	40.2	-0.14	
	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	49	-1.5	
	69.5	69	-0.5	

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 Is 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)