

## CALIBRATION CERTIFICATE

EQN/FT/7.S/01

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CRF No.	EQN/CRF/2112062	Date of Calibration	15-Dec-21
Certificate No	2021-22/EQN/2112062-01	Recom. Due Date	15-Dec-22
ULR No.	CC276021000011930F		

**CUSTOMER DETAILS :**

M/s.MANJERI CLINICAL LABORATORY & IDEAL X-RAYS, Court Road, Manjery - 676121, Kerala.	Calibrated at : Lab Date of Receipt : 15-Dec-21 Cond. On Receipt : Satisfactory Date of Issue : 19-Dec-21
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**DETAILS OF UUC :**

Description	DIGITAL THERMO-HYGROMETER	Identification No.	MCL/RTM/01
Range	-10 - 50 °C , 10 - 90% RH	Serial No.	--
Least Count	0.1 °C & 1%RH	Make	HTC
Operating Range	--	Model No.	HTC-1
Location	Bio Chemistry Lab	Accuracy	--

**DETAILS OF STANDARD USED :**

Master Name	Lab ID No. / Sr No.	Valid upto	Traceability
Digital Temp Humidity Meter	INS/TM/133	27-Apr-22	TransCal,Bangalore

CP No	EQN/CP/TL-06
Environmental Details	Temperature: 25±2°C Relative Humidity: 40-70 % RH

### CALIBRATION RESULT

#### (THERMAL DISCIPLINE(SPECIFIC HEAT & HUMIDITY))

@50 % RH				
Sl. No.	STD READING (°C)	TEST READING (°C)	ERROR (°C)	UNCERTAINTY ± (°C)
1	15.21	14.8	-0.41	0.58
2	30.27	30.0	-0.27	0.58
3	55.44	55.0	-0.44	0.58
@25 °C				
Sl. No.	(%RH)	(%RH)	(%RH)	± (%RH)
1	29.81	31	1.59	1.97
2	60.18	62	1.32	1.97
3	90.11	92	1.89	1.97

**Remarks :**

1. Reading given was the average of 3 Measurements
2. The reported Expanded Uncertainty is calculated at 95% C.L Approx with coverage factor k=2
3. Temperature scale ITS 90

Issued by :	 S.B.RAJESH KUMAR		Authorized by :	 K.YOGANATHAN
Sr. Calibration Engineer			Technical Manager	