

**CERTIFICATE OF CALIBRATION**

Customer Name	FHC Panavally	Certificate No.	FHCPY004
CUSTOMER Address	Panavally, Kerala 688526	Date of Calibration	12/04/2022
		Valid Upto	11/04/2023
		Date of Issue	13/04/2022

DUC* Details			
DUC* Name	WATERBATH	S No.	17A219
Make/Model No.	LABLINE	Location	LAB
ID No.	..	Visual Inspection	OK

Details of Reference Standards & Major Equipments Used			
Equipment Name	THERMO HYGROMETER	ELECTRICAL SAFETY ANALYZER	INFRARED THERMOMETER
Make	HTC-2	FLUKE	FLUKE
Model/SR No.	...	ESA 612/2959012	59 MAX/49958584WS
Equipment Id		CHPL/MT-KL/ESA/002	CHPL/MT-KL/IR/001
Calibration certificate No	UCSL/07-21/201-01	ET/220124A/01	UCSL/07-21/201_07
Calibration Validity	20/07/2022	25/01/2023	20/07/2022
Calibration By	UNIQUE CALIBRATION SOLUTIONS	STIC	UNIQUE CALIBRATION SOLUTIONS

Environmental Condition			
Temperature	28°C	Relative Humidity	58%

Calibration Results				
SL NO	SET VALUE(°C)	MEASURED VALUE (°C)	TOLERANCE	STATUS
1	45	45	±5%	PASS
2	55	55	±5%	PASS
3	65	65.2	±5%	PASS

<b>CALIBRATION STATUS</b>	PASS	✓	FAIL	
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REMARKS:- \*DUC – DEVICE UNDER CALIBRATION

- ❖ This result of calibration refers to only to the particular items submitted for calibration.
- ❖ The above result is valid at the time of and under the stated conditions measurement.
- ❖ Calibration certificate issued for weight & measure parameters like mass, weighting balance, volumetric equipment, measuring scales/tapes etc. Are scientific purpose only and should not used for commercial.

Calibrated By  
JAYADEV K S

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Issued and Approved By  
PREJITH T B  
TECHNICAL  
MANAGER

*(Signature)*

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DUC* Details					
DUC* Name	Make/Model No	S No.	ASSET ID	LOCATION	Visual Inspection
WATERBATH	LABLINE	17A219	..	LAB	OK

Details of Reference Standards & Major Equipments Used		
Equipment Name	ELECTRICAL SAFETY ANALYZER	THERMO HYGROMETER
Make	FLUKE	HTC-2
Model/SR No.	ESA 612/2959012	...
Equipment Id	CHPL/MT-KL/ESA/002	
Calibration certificate No	ET/220124A/01	UCSL/07-21/201-01
Calibration Validity	25/01/2023	20/07/2022
Calibration By	STIC	UNIQUE CALIBRATION SOLUTIONS

\*\*STANDARD USED IS IEC 60601-1

**ELECTRICAL SAFETY TEST VALUES**

TEST NO.	NAME OF THE TEST	READING	HIGH LIMIT	LOW LIMIT	UNIT	STATUS
1	MAIN VOLTAGE -LIVE TO NEUTRAL	229	250	225	V	PASS
2	MAIN VOLTAGE -LIVE TO EARTH	228	240	220	V	PASS
3	MAIN VOLTAGE-NEUTRAL TO EARTH	0.3	3	0	V	PASS
4	EQUIPMENT CURRENT	0.4	16	0.1	mA	PASS
5	PROTECTIVE EARTH RESISTANCE	0.4	2	0	$\Omega$	PASS
6	EARTH LEAKAGE CURRENT - NC	0.7	1	0.5	mA	PASS
7	EARTH LEAKAGE CURRENT - OC	0.6	1	0.5	mA	PASS
8	ENCLOSURE LEAKAGE CURRENT -NC	0.3	0.5	0.1	mA	PASS
9	ENCLOSURE LEAKAGE CURRENT -OC	0.2	0.5	0.1	mA	PASS
10	INSULATION RESITANCE					
	1.MAINS-PROTECTIVE EARTH	OL	100	0	M $\Omega$	PASS
	2.APPLIED PART TO PROTECTIVE EARTH	NA	100	0	M $\Omega$	PASS
	3.MAINS TO APPLIED PART	NA	100	0	M $\Omega$	PASS
	4.MAINS TO NEUTRAL	OL	100	0	M $\Omega$	PASS
	5.APPLIED PART TO NEUTRAL	NA	100	0	M $\Omega$	PASS

\*NOTE ( NC -NORMAL CONDITION, OC-OPEN CONDTION). REMARKS- \*DUC- DEVICE UNDER CALIBRATION

**CALIBRATED BY**  
JAYADEV K S

**ISSUED AND APPROVED BY**

PREJITH T B  
TECHNICAL MANAGER

