

CERTIFICATE OF CALIBRATION

Customer Name	MODERN DIAGNOSTICS	Certificate No.	MDE004
CUSTOMER Address	N S S BUILDING, PUTHENVELIKKARA ERNAKULAM, KERALA	Date of Calibration	17/12/2023
		Valid Upto	16/12/2024
		Date of Issue	18/12/2023

DUC* Details			
DUC* Name	REFRIGERATOR	S No.	01285
Make/Model No.	BOSCH	Location	LAB
ID No.	NA	Visual Inspection	OK

Details of Reference Standards & Major Equipments Used			
Equipment Name	THERMO HYGROMETER	ELECTRICAL SAFETY ANALYZER	DIGITAL THERMOMETER
Make	HTC-2	FLUKE	METRAVI
Model/SR No.	...	ESA 612/2959012	..
Equipment Id		CHPL/MT-KL/ESA/002	CHPL/MT-KL/TMP/001
Calibration certificate No	UCSL/07-23/202_03	ET/230117A/01	UCSL/07-23/202_04
Calibration Validity	20/07/2024	23/01/2024	20/07/2024
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	5	5	±5%	PASS
2	5	5	±5%	PASS
3	5	5	±5%	PASS

CALIBRATION STATUS	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
ACHUTH P K

Issued and Approved
By
PREJITH T B
TECHNICAL
MANAGER



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Address	N S S BUILDING, PUTHENVELIKKARA ERNAKULAM, KERALA	Date of Calibration	17/12/2023
		Valid Upto	16/12/2024
		Date of Issue	18/12/2023

DUC* Details					
DUC* Name	Make/Model No	S No.	ASSET ID	LOCATION	Visual Inspection
REFRIGERATOR	BOSCH	01285	NA	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/230117A/01	UCSL/07-23/202_03
Calibration Validity	23/01/2024	20/07/2024
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	Ω	PASS
6	EARTH LEAKAGE CURRENT - NC	0.4	1	0.5	mA	PASS
7	EARTH LEAKAGE CURRENT - OC	0.7	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	MΩ	PASS
	2.APPLIED PART TO PROTECTIVE EARTH	NA	100	0	MΩ	PASS
	3.MAINS TO APPLIED PART	NA	100	0	MΩ	PASS
	4.MAINS TO NEUTRAL	OL	100	0	MΩ	PASS
	5.APPLIED PART TO NEUTRAL	NA	100	0	MΩ	PASS

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

CALIBRATED BY

ACHUTH P R



ISSUED AND APPROVED BY

PRAJITH B

TECHNICAL MANAGER

