



# Bio Matrix Technologies Pvt. Ltd.



An ISO 9001 : 2015 Certified Company

G-114, 1st Floor, Madhura Nagar, Hyderabad - 500038.

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## PERFORMANCE TEST REPORT FOR REFRIGERATOR

HOSPITAL NAME	AREA HOSPITAL, ZAHEERABAD, TELANGANA
DEVICE	REFRIGERATOR
MANUFACTURER	LG
MODEL	NA
S NO	NA
EQUIPMENT ID	NA
DEPARTMENT	LAB

## PERFORMANCE STANDARDS USED

S.NO	ASSET NO.	TEST EQUIPMENT	MAKE	MODEL NO	SERIAL NO	CAL DATE	CAL DUE DATE
1	BMT/12/TA-11	TEMPERATURE INDICATOR WITH SENSOR	AUTONICS	TC4S-14R	N/A	10/10/2022	09/10/2023
2	BMT/12/07	ELECTRICAL SAFETY ANALYZER	FLUKE	ESA-612	2111026	10/10/2022	09/10/2023

## TEST RESULTS

Sr. No	TEMPERATURE	SET VALUE	MEASURED VALUE	VOLUME	SET VALUE	MEASURED VALUE
1	Lower Part	2 °C	1.8 °C	GROSS VOLUME	140 Liters	138 Liters
		4 °C	4.0 °C		150 Liters	149 Liters
		8 °C	8.3 °C		160 Liters	160 Liters
2	Upper Part	-5 °C	-5.4 °C	STORAGE VOLUME	150 Liters	148 Liters
		-10 °C	-10.2 °C		170 Liters	169 Liters
		-15 °C	-15.5 °C		190 Liters	189 Liters

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ELECTRICAL SAFETY ANALYZER TEST RESULTS		
TEST	RESULTS	LIMITS
Line(Mains)Voltage	237.5	0.0 to 300.0V ac rms
Ground Wire Resistance	0.002Ω	0.000 to 2.000 Ω
Equipment current	1.4A	0 to 20.0 A ac rms
Insulation resistance	2 M Ω	+/-2% +0.2 M Ω
Ground(Earth) Leakage	12μA(AC+DC)	10 to 199μA
Chassis(Enclosure)Leakage	0.4Ma	0.0 to 199.9μA
Lead to Ground and Lead to lead	0.4 μA(AC+DC)	0.0 to 1999 μA
Lead isolation	0.4Ma	0.0 to 1999 μA
Differential Leakage	0.2μA	0.0 to 1999 μA
Direct Equipment Leakage	0.2μA	0.0 to 1999 μA
Direct applied part Leakage	0.4Ma	0.0 to 1999 μA
Alternative applied part patient leakage	0.01Ω	0.0 to 1999 μA
Point to point leakage, Voltage and Resistance	0.2μA,0.2v&OLΩ	+/-2% +0.2V

ELECTRICAL SAFETY TEST PASSED AS PER IEC STANDARD 60601.1

Cal done date: 23-06-2023	Cal due date: 22-06-2024
Calibrated by: N. PETER	Approved by: N. VENKAT

