



Bio Matrix Technologies Pvt. Ltd.



An ISO 9001 : 2015 Certified Company

G-114, 1st Floor, Madhura Nagar, Hyderabad - 500 038.

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PERFORMANCE TEST REPORT FOR REFRIGERATOR

HOSPITAL NAME	PRANAAM HOSPITALS,MADINAGUDA,HYDERABAD
DEVICE	REFRIGERATOR
MANUFACTURER	HAIER
MODEL	N/A
S NO	BS092380001GA50006
LOCATION	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	24/08/20	23/08/21
2	BMT/12/07	ELECTRICAL SAFETY ANALYZER	FLUKE	ESA-612	2111026	24/08/20	23/08/21

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	232.4	0.0 to 300.0V ac rms
Ground Wire Resistance	0.002 Ω	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	12 μ A(AC+DC)	10 to 199 μ A
Chassis(Enclosure)Leakage	0.4Ma	0.0 to 199.9 μ A
Lead to Ground and Lead to lead	0.4 μ A(AC+DC)	0.0 to 1999 μ A
Lead isolation	0.4 μ A	0.0 to 1999 μ A
Differential Leakage	0.2 μ A	0.0 to 1999 μ A
Direct Equipment Leakage	0.2 μ A	0.0 to 1999 μ A
Direct applied part Leakage	0.4Ma	0.0 to 1999 μ A
Alternative applied part patient leakage	0.01 Ω	0.0 to 1999 μ A
Point to point leakage, Voltage and Resistance	0.2 μ A,0.2v&OL Ω	+/-2% +0.2V

ELECTRICAL SAFETY TEST PASSED AS PER IEC STANDARD 60601.1

Cal done date: 02-09-2020	Cal due date: 02-09-2021
Calibrated by: N.PETER	Approved by: N. VENKAT

