



Bio Matrix Technologies Pvt. Ltd.



An ISO 9001 : 2015 Certified Company

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PERFORMANCE TEST REPORT FOR MICROSCOPE

HOSPITAL NAME	ST. THERESA'S HOSPITAL, ERRAGADDA, HYDERABAD.
DEVICE	MICROSCOPE
MAKE	OLYMPUS
MODEL	CX21 IFS1
SERIAL NO	18B0028
EQUIPMENT ID	STH-BME-LAB-MIC-003
DEPARTMENT	LAB

PERFORMANCE STANDARD USED

S.NO	ASSET NO.	TEST EQUIPMENT	MAKE	MODEL NO	SERIAL NO	CAL DATE	CAL DUE DATE
1	BMT/12/07	ELECTRICAL SAFETY ANALYZER	FLUKE	ESA-612	2111026	24/08/20	23/08/21

ELECTRICAL SAFETY ANALYZER TEST RESULTS

TEST	RESULTS	LIMITS
Line(Mains)Voltage	236.7	0.0 to 300.0V ac rms
Ground Wire Resistance	0.005Ω	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 μA(AC+DC)	10 to 199 μA
Chassis(Enclosure)Leakage	0.4 Ma	0.0 to 199.9 μA
Lead to Ground and Lead to lead	0.4 μA(AC+DC)	0.0 to 1999 μA
Lead isolation	0.6Ma	0.0 to 1999 μA
Differential Leakage	0.2μA	0.0 to 1999 μA
Direct Equipment Leakage	0.4μA	0.0 to 1999 μA
Direct applied part Leakage	0.7μA	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: 17-11-2020	Cal due date: 16-11-2021
Calibrated by: N. PETER	Approved by: N. VENKAT

