



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : EMI/EMC AND ELECTRICAL SAFETY TEST FACILITY, 201H/202H, 1ST FLOOR, DIAMOND JUBILEE ACADEMIC COMPLEX, IIT, KANPUR, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-15128 **Page No** 1 of 4

Validity 18/12/2024 to 17/12/2028 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Testing				
1	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Conducted Emission Test	CISPR 11, IEC 60601-1-2, CISPR 14-1, CISPR 15, CISPR 32, IEC 61000-6-3, IEC 61000-6-4, IEC 62040-2, IEC 60255-26, IEC 61326-1, IEC 62052-11, IEC 61851-21-2
2	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Conducted RF Susceptibility Test	IEC 61000-4-6, IEC 60601-1-2, IEC 62040-2, IEC 60255-26, IEC 61000-6-1, CISPR 14-2, CISPR 35, IEC 61851-21-2, IEC 61000-6-2, IEC 61326-1, IEC 61000-6-5, IEC 62052-11
3	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Electrical Fast Transient (EFT)/Burst Immunity test	IEC 61000-4-4, IEC 60601-1-2, IEC 62040-2, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-5, IEC 60255-26, IEC 62052-11, IEC 61326-1, IEC 61851-21-2, CISPR 35
4	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Electrostatic Discharge Immunity Test	IEC 61000-4-2, IEC 60601-1-2, IEC 62040-2, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-5, IEC 60255-26, IEC 62052-11, IEC 61326-1, IEC 61851-21-2, CISPR 35
5	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Harmonic Current Emission Test	IEC 61000-3-2, IEC 60601-1-2, IEC 62040-2, IEC 61000-6-3, IEC 61851-21-2



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6	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Power Frequency Magnetic Field (PFMF) Immunity Test	IEC 61000-4-8, IEC 60601-1-2, IEC62040-2, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-5, IEC 61326-1, IEC 61851-21-2, CISPR 35
7	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Radiated Emission Test	CISPR 11, IEC 60601-1-2, CISPR 14-1, CISPR 15, CISPR 32, IEC 61000-6-3, IEC 61000-6-4, IEC 62040-2, IEC 60255-26, IEC 61326-1, IEC 62052-11, IEC 61851-21-2
8	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Radiated Susceptibility Test	IEC61000-4-3, IEC 60601-1-2, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-5, IEC 62040-2, IEC 60255-26, IEC 61326-1, IEC 62052-11, IEC 61851-21-2, CISPR 14-2, CISPR 35
9	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Surge Immunity Test	IEC 61000-4-5, IEC 60601-1-2, IEC62040-2, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-5, IEC60255-26, IEC 61326-1, IEC 61851-21-2, CISPR 35
10	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Voltage Dips, Short Interruption and Voltage Variations Immunity Test	IEC 61000-4-11, IEC 60601-1-2, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-5, IEC 61326-1, IEC 61851-21-2, CISPR 35
11	ELECTRONICS- EMC TEST FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Voltage Fluctuation and Flicker Test	IEC 61000-3-3, IEC 60601-1-2, IEC 61000-6-3, IEC 61851-21-2



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12	ELECTRONICS-SAFETY TESTING FACILITY	Electrical/Electronic devices	Insulation Resistance Test	IEC 61010-1, IEC 61347-1, IEC 60950-1, IEC 60335-1, IEC 60065, IEC 62196-1
13	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Instability Hazards Test	IEC 60601-1, IEC 61010-1, IEC 6065, IEC 60335-1
14	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	AC Dielectric Strength Test	IEC 60601-1, IEC 61010-1, IEC61347-1, IEC 60950-1, IEC 60335-1, IEC 60065, IEC 62196-1
15	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Ball Pressure Test	IEC 60601-1, IEC 61010-1, IEC 62196-1, IEC 60695-10-2, IEC 60335-1
16	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Clearances and Creepage Distances Test	IEC 60601-1, IEC 61010-1, IEC 62196-1, IEC 60335-1, IEC 60950-1, IEC 60065
17	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Cord Anchorage and Cord Guards Test	IEC 60601-1, IEC 61010-1, IEC 62196-1, IEC 60335-1, IEC 60950-1, IEC 60065
18	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	DC Dielectric Strength Test	IEC 60601-1, IEC 61010-1, IEC 61347-1, IEC 60950-1, IEC 60335-1, IEC 60065, IEC 62196-1
19	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Earth Leakage Current Test	IEC 60601-1, IEC 61010-1, IEC 60990, IEC 60950-1, IEC 60335-1, IEC 60065
20	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Ground Bond (GB) Test	IEC 60601-1, IEC 61010-1, IEC 61347-1, IEC 60950-1, IEC 60335-1, IEC 60065, IEC 62196-1
21	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Heating Preconditioning Treatment	IEC 60601-1, IEC 61010-1, IEC 62196-1, IEC 60335-1, IEC 61347-1, IEC 60065
22	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Humidity Preconditioning Treatment	IEC 60601-1, IEC 61010-1, IEC 60335-1, IEC61347-1, IEC 60950-1, IEC 60065



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23	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Impact Test	IEC 60601-1, IEC 61010-1, IEC 62196-1, IEC 60950-1, IEC 60335-1, IEC 60065
24	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Legibility and Durability of Markings Test	IEC 60601-1, IEC 61010-1, IEC 62196-1, IEC61347-1, IEC 60950-1, IEC 60335-1, IEC 60065
25	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Patient Auxiliary Current Test	IEC 60601-1
26	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Patient Leakage Current Test	IEC 60601-1
27	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Sharp Edges and Corners Test	IEC 60601-1, IEC 61010-1, IEC 62196-1, IEC 60335-1, IEC 61347-1, IEC 60950-1, IEC 60065
28	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Sound Pressure Level Test	IEC 60601-1, IEC 61010-1
29	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Touch Current Test	IEC 60601-1, IEC 61010-1, IEC61347-1, IEC 60990, IEC 60950-1, IEC 60335-1, IEC 60065
30	ELECTRONICS-SAFETY TESTING FACILITY	Medical Electrical devices/ Electrical/Electronic devices	Ultraviolet Radiation Test	IEC 60601-1, IEC 61010-1, IEC 60335-1, IEC 60950-1, IEC 62471-7, IEC 60065