

<b>Laboratory</b>	<b>Institute of Testing and Certification (India) Pvt. Ltd, 362, Industrial Area, Phase-II, Panchkula, Haryana</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electronics Testing</b>	<b>Issue Date</b>	<b>21.07.2015</b>
<b>Certificate Number</b>	<b>T-3509</b>	<b>Valid Until</b>	<b>05.05.2017</b>
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<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I.</b>	<b>MEDICAL ELECTRICAL EQUIPMENT</b>			
<b>1.</b>	<b>Medical Devices</b>	Power Input	IEC 60601-1 :2005 Cl.4.11 IEC 60601-1 Ed.3, 2005-12 IS 13450-1: 2008	0 to 300 V AC (at 50 Hz), 0 to 19.99 A
		Marking & Instruction	IEC 60601-1:2005 Cl.7	Qualitative Test
		Determination of Accessible Parts	IEC 60601-1:2005 Cl.5.9	0 to 60 V
		Protective earthing, functional earthing and potential equalization of me Equipment	IEC 60601-1:2005 Cl.8.6	1A to 30 A, 0 to 19.99V
		Leakage currents and patient auxiliary currents	IEC 60601-1:2005 Cl.8.7	50 $\mu$ A to 20 m A
		Dielectric Strength	IEC 60601-1:2005 Cl.8.8.3	0 to 5 kV
		Resistance to environmental stress	IEC 60601-1:2005 Cl.8.8.4.2	0 to 250 °C/ Dia. Impression 0 to 10mm
		Accessible Parts Including Applied Part	IEC 60601-1:2005 Cl.5.9	(dia 4 mm, L 100mm)
		Creepage distances and air clearances	IEC 60601-1:2005 Cl.8.9	0 to 150 mm
		Instability hazards	IEC 60601-1:2005 Cl.9.4	Qualitative Test CTIT (0 to 700 V AC) (50 Hz) 0 to 90 °

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	<b>Medical Devices</b>	Overflow, spillage, leakage ingress of water or particulate matter, cleaning, disinfection, sterilization and compatibility with substances used with ME equipment	IEC 60601-1 :2005 Cl.11.6	Qualitative
<b>II.</b>	<b>IT EQUIPMENT</b>			
<b>1.</b>	<b>Information Technology Equipments (Monitor, SMPS, Network Card, UPS, Computer, Modem, Cable Tester, Balance, Refrigerated Enclosure)</b>	List of critical components	IEC 60950-1:2005 Cl.1.5.1 IEC 60950-1:2005-12 Ed-2.	Qualitative Test
		Electrical data	IEC 60950-1:2005 Cl.1.6.2	0 to 300V AC (at 50Hz), 0 to 19.99 A
		Durability	IEC 60950-1:2005 Cl.1.7.11	Qualitative Test
		Access to energized parts	IEC 60950-1:2005 Cl. 2.1.1.1	30 N  4 mm, 3 mm, 5 mm  12 mm & 80 mm
		Limited power source measurement	IEC 60950-1:2005 Cl.2.5	0 to 300 V 0 to 19.9A
		Resistance to earthing conductors	IEC 60950-1:2005 Cl. 2.6.3.4	1 A to 30 A, 0 to 19.99V
		Humidity conditioning	IEC 60950-1:2005 Cl. 2.9.2	20 °C to 30 °C 91 % to 95 % R.H
		Clearances, creepage distances and distances through insulation	IEC 60950-1:2005 Cl. 2.10	0 to 150 mm

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	<b>Information Technology Equipments (Monitor, SMPS, Network Card, UPS, Computer, Modem, Cable Tester, Balance, Refrigerated Enclosure)</b>	Stability	IEC 60950-1:2005 Cl. 4.1	0 to 90 °
		Drop test	IEC 60950-1:2005 Cl. 4.2.6	Qualitative Test
		Stress relief	IEC 60950-1:2005 Cl. 4.2.7	25 °C to 250 °C (70 K over normal temperature)
		Protection against hazardous moving parts	IEC 60950-1:2005 Cl. 4.4	30 N
		Maximum temperatures	IEC 60950-1:2005 Cl.4.5.1	(-) 100 °C to 550 °C
		Resistance to abnormal heat	IEC 60950-1:2005 Cl. 4.5.5	0 to 250 °C/ Dia. Impression 0 to 10 mm
		Enclosure openings	IEC 60950-1:2005 Cl.4.6.1 & 4.6.2	Qualitative Test
		Touch current and protective conductor current	IEC 60950-1:2005 Cl. 5.1	50 µA to 20 m A
		Electric strength	IEC 60950-1:2005 Cl. 5.2	0 to 5 kV
		Fault conditions tests	IEC 60950-1:2005 Cl.5.3	Qualitative Test
	Impulse test	IEC 60950-1:2005 Cl. 6.2.2.1 & 6.2.2.2	0 to 10 KV	

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