

<b>Laboratory</b>	<b>Classic Instrumentation Pvt. Ltd., C-45, Sector-65, Noida, Gautam Budh Nagar, Uttar Pradesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electronics Testing</b>	<b>Issue Date</b>	<b>26.10.2015</b>
<b>Certificate Number</b>	<b>T-3667</b>	<b>Valid Until</b>	<b>25.10.2017</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. POWER SUPPLIES &amp; STABLIZERS</b>				
<b>1.</b>	<b>UPS/Inverter</b>	Durability	IS 16242 (Part 1): 2014 IEC 62040-1: 2008 Cl. No. 4.7.16 (RD 1.7.11)	Qualitative (Visual Inspection)
		Power Rating	IS 16242 (Part 1): 2014 IEC 62040-1: 2008 Cl. No. 4.7.2	Qualitative (Visual Inspection)
		Clearances, Creepage Distances and Distances through Insulation	IS 16242 (Part 1): 2014 IEC 62040-1: 2008 Cl. No. 5.7	0.01 mm to 300 mm
		Touch Current	IS 16242 (Part 1): 2014 IEC 62040-1: 2008 Cl. No. 8.1	30 $\mu$ A to 30 mA
		Electric Strength	IS 16242 (Part 1): 2014 IEC 62040-1: 2008 Cl. No. 8.2,5.2 /RD	0.01 kV to 5 kV AC 0.01 kV to 5 kV DC
<b>II. IT EQUIPMENT</b>				
<b>1.</b>	<b>Information Technology Equipment-General</b>	Verification of Marking	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 1.7	Qualitative
		Protection Against Access to Live Parts	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 2.1	0.05 N to 500 N
		Power Input and Current	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 1.6	0.01 V to 300 V 0.01 A to 20 A 0.01 kW to 6 kW At 50/60 Hz

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	<b>Information Technology Equipment-General</b>	Heating (Maximum Temperature)	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 4.5	20 °C to 300 °C
		Leakage Current	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 5.1	30 µA to 30 mA
		Electric Strength	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 5.2	0.01 kV to 5 kV AC
		Earthing Contact Resistance	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 2.6.3.2	0.1 A to 45 A 0.001 Ω to 0.6 Ω
		Creepage Distances, Clearances and Distances	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 2.10	0.01 mm to 150 mm
		Ball Pressure Test Temperature	IS 13252 (Part 1): 2010 IEC 60950-1: 2005 Cl. No. 4.5.5	25 °C to 125 °C 0.01 mm to 150 mm
2.	<b>Personal Computer</b>	Verification of Marking	IS 14896: 2001 Cl. No. 8.0	Qualitative
		Dry Heat Test	IS 14896: 2001 Cl. No. 10.4.3	25 °C to 190 °C
		Cold Test	IS 14896: 2001 Cl. No. 10.4.5	25 °C to (-) 40 °C

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>III. AUDIO EQUIPMENT</b>				
<b>1.</b>	<b>Audio, Video and Similar Electronic Apparatus - Safety Requirements</b>	Verification of Marking	IEC 60065: 2001 IS 616: 2010 Cl. No. 5	Qualitative
		Touch Current Test	IEC 60065: 2001 IS 616: 2010 Cl. No. 9.1.1.1	30 $\mu$ A to 30 mA
		Insulation Resistance & Dielectric Strength	IEC 60065: 2001 IS 616: 2010 Cl. No. 10.3	0.01 M $\Omega$ to 10 G $\Omega$ 0.01 kV to 5 kV 50/60 Hz
		Provision for Protective Earthing	IEC 60065: 2001 IS 616: 2010 Cl. No. 15.2	0.1 A to 40 A 0.001 $\Omega$ to 0.6 $\Omega$
		Creepage Distances, Clearances and Distances	IEC 60065: 2001 IS 616: 2010 Cl. No. 13	0.01 mm to 150 mm

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