

<b>Laboratory</b>	<b>LG Electronics India Pvt. Ltd. (Air Conditioner &amp; Refrigerator Testing Lab), 51, Udyog Vihar, Surajpur Kasna Road, Greater Noida, Dist. Gautam Budh Nagar, Uttar Pradesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Electrical Testing</b>	<b>Issue Date</b>	<b>26.11.2014</b>
<b>Certificate Number</b>	<b>T-0584</b>	<b>Valid Until</b>	<b>25.11.2016</b>
<b>Last Amended on</b>	<b>-</b>	<b>Page</b>	<b>1 of 3</b>

<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. DOMESTIC ELECTRICAL APPLIANCES</b>				
<b>1.</b>	<b>Room Air Conditioners (For Psychrometric Lab 2 )</b>	Cooling Capacity	IS 1391 (Part 1): 1992 (RA 2009) Cl. 10.10	2617 W to 6978 W
		Power Consumption	IS 1391 (Part 1): 1992 (RA 2009) Cl. 10.8	7.5 W to 20000 W
		High Voltage	IS 1391 (Part 1): 1992 (RA 2009) Cl. 16.3.4	10 VAC to 5 kVAC
		Insulation Resistance	IS 1391 (Part 1): 1992 (RA 2009) Cl. 16.3.3	500 VDC to 1 MΩ to 1000 MΩ
		Leakage Current	IS 1391 (Part 1): 1992 (RA 2009) Cl. 16.3.6	0.1 mA to 10 mA
<b>2.</b>	<b>Room Air Conditioners (For Psychrometric Lab 6 )</b>	Cooling Capacity	IS 1391 (Part 1): 1992 (RA 2009) Cl. 10.10 IS 1391 (Part 2): 1992 Cl. 9.9	2617 W to 18608 W
		Power Consumption	IS 1391 (Part 1): 1992 (RA 2009) Cl. 10.8 IS 1391 (Part 2): 1992 Cl. 9.7	7.5 W to 20000 W
		High Voltage	IS 1391 (Part 1): 1992 (RA 2009) Cl. 16.3.4 IS 1391 (Part 2): 1992 Cl. 15.3.4	Upto 5 kVAC

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	<b>Room Air Conditioners (For Psychrometric Lab 6 )</b>	Insulation Resistance	IS 1391 (Part 1): 1992 (RA 2009) Cl. 16.3.3 IS 1391 (Part 2): 1992 Cl. 15.3.3	1 MΩ to 1000 MΩ at 500 VDC
		Leakage Current	IS 1391 (Part 1): 1992 (RA 2009) Cl. 16.3.6 IS 1391 (Part 2): 1992 Cl. 15.3.6	0.1 mA to 10 mA
<b>3.</b>	<b>Room Air Conditioners (Using Balance Calorimeter)</b>	Power Consumption	IS 1391 (Part 1): 1992 (RA 2009) Cl. 10.8 IS 1391 Part 2 : 1992 Clause 9.7	7.5 W to 20000 W
		Cooling Capacity	IS 1391 (Part 1): 1992 (RA 2009) Cl. 10.10 IS 1391 (Part 2): 1992 Cl. 9.9	1758 W to 11723 W
<b>4.</b>	<b>Refrigerator</b>	Pull Down (DC refrigerators)	AS/NZS 4474.1:2007 Cl. 2.12	43.5 °C to (-) 20 °C
			IS 1476-1: 2000 Cl. 14.5	43.5 °C to (-) 20 °C
		Pull Down (FF Refrigerators)	IS 15750: 2006 Cl. 16	43.5 °C to (-) 20 °C
		Tested Energy Consumption (DC refrigerators)	AS/NZS 4474.1: 2007 Cl. 2.16	0.1 Wh/day to 2 kWh/day
	IS 1476-1: 2000 Cl. 14.9		0.1 Wh/day to 2 kWh/day	

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**Accreditation Standard**                      **ISO/IEC 17025: 2005**

**Discipline**    **Electrical Testing**    **Issue Date**                      **26.11.2014**

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	<b>Refrigerator</b>	Tested Energy Consumption (FF refrigerator)	IS 15750: 2006 Cl. 14	0.1 Wh/day to 3 kWh/day
		Measurement of Gross & Storage Volumes (DC refrigerators)	AS/NZS 4474.1: 2007 Cl. 2.6 IS 1476-1: 2000 Cl. 8.2	50 L to 400 L 50 L to 400 L
		Measurement of Gross & Storage Volumes (FF refrigerator)	IS 15750: 2006 Cl. 6	50 L to 600 L

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