

Laboratory	LG Electronics India Pvt. Ltd. (Product Testing Laboratory), A-5, MIDC, Ranjangaon, Tal-Shirur, Pune, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Electrical Testing	Issue Date	09.12.2014
Certificate Number	T-1400	Valid Until	18.11.2016
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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
I. DOMESTIC ELECTRICAL APPLIANCES				
1.	Household Electrical Appliances – Refrigerator Appliances	Pull Down (DC refrigerators)	AS/NZS 4474.1: 2007 Clause 2.12 IS 1476 (Part I): 2000 (RA 2010) Clause 14.5.3.1	43.5 °C to -20 °C
		Pull Down (FF Refrigerators)	IS 15750: 2006 Clause 16	43.5 °C to -20 °C
		Tested Energy Consumption (DC refrigerators)	AS/NZS 4474.1: 2007 Clause 2.16 IS 1476 (Part I): 2000 (RA 2010) Clause 14.9	Upto 4 kWh / day
		Tested Energy Consumption (FF refrigerators)	IS 15750: 2006 Clause 14	Upto 4 kWh / day
		Measurement of Gross & Storage Volumes (DC refrigerators)	AS/NZS 4474.1: 2007 Clause 2.6 IS1476(Part I): 2000 (RA 2010) Clause 8	190 l to 280 l
		Measurement of Gross & Storage Volumes (FF refrigerator)	IS 15750: 2006 Clause 6	210 l to 500 l
2.	Household Electrical Appliances - Room Air Conditioners (Psychrometric)	Cooling Capacity	IS 1391 (Part 1): 1992 (RA 2009) Clause 10.10 IS 8148: 2003 (RA 2009) Clause 5.1 a & b IS 1391 (Part II): 1992 (RA 2004) Clause 9.9 ISO 15042 (AHRI 1230)	2617 W to 6978 W 5274 W to 60 kW 2617 W to 6978 W 14 W to 60 kW

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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
		Power Consumption	IS 1391 (Part 1): 1992 (RA 2009) Clause 10.8 IS1391(Part II): 1992 (RA 2004) Clause 9.7 ISO 15042 (AHRI 1230)	7.5 W to 20 kW
		High Voltage Test	IS 1391 (Part 1): 1992 (RA 2009) Clause 16.3.4 IS 1391(Part II): 1992 (RA 2004) Clause 15.3.4 ISO 15042 (AHRI 1230)	Upto 5kV AC
		Insulation Resistance Test	IS 1391 (Part 1): 1992 (RA 2009) Clause 16.3.3 IS 1391(Part II): 1992 (RA 2004) Clause 15.3.3 ISO 15042 (AHRI 1230)	At 500 V DC 1MΩ - 1000 MΩ
		Leakage Current	IS 1391 (Part 1): 1992 (RA 2009) Clause 16.3.6 IS 1391(Part II): 1992 (RA 2004) Clause 15.3.6 ISO 15042 (AHRI 1230)	0.1 mA to 10 mA

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