

Laboratory **Air Conditioner & Refrigerator Testing Lab, LG Electronics India Pvt. Ltd., Plot No. 51, Udyog Vihar, Surajpur Kasma Road, Greater Noida, Dist. Gautam Budh Nagar, Uttar Pradesh**

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

Certificate Number **TC- 5560 (in lieu of T-0584)**

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Validity **26.11.2016 to 25.11.2018**

Last Amended on 13.01.2017

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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ELECTRICAL TESTING

I. DOMESTIC ELECTRICAL APPLIANCES				
1.	Frost Free Refrigerator	Volume measurement	IS15750 clause 6	50 to 600 litres
		Pull Down Test	IS 15750 clause 16	20 to 45 °C
		Energy Consumption	IS 15750 clause 14	0.1 kWh
2.	Direct Cool Refrigerator	Volume measurement	IS1476 (Part-1) clause 8.2	50 to 600 litres
		Pull Down Test	IS1476 (Part-1) clause 14.5	20 to 45 °C
		Energy Consumption	IS1476 (Part-1) clause 14.9	0.1 kWh
3.	Air Conditioner	Cooling Capacity	IS 1391 (Part-1) clause 10.10 IS 1391 (Part-2) clause 9.9	2617 W to 18608 W
		Power Consumption	IS 1391 (Part-1) clause 10.8 IS 1391 (Part-2) clause 9.7	7.5 W to 20,000 W
		High Voltage	IS 1391 (Part-1) clause 16.3. 4 IS 1391 (Part-2) clause 15.3.4	Upto 5 kVAC
		Insulation Resistance	IS1391 (Part-1) clause 16.3.3 IS1391 (Part-2) clause 15.3.3	1MΩ to 1000 MΩ (At 500 V DC)
		Leakage Current	IS1391 (Part-1) clause 16.3.6 IS1391 (Part-2) clause 15.3.6	0.1 to 10mA
		Cooling capacity	IS1391(Part-1) clause10.10 IS1391 (Part-2) clause 9.9	1758 W to 11723 W
		Power Consumption	IS1391 (Part-1) clause 10.8 IS1391 (Part-2) clause 9.7	7.5 W to 20,000 W

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