

Laboratory **Air Conditioner & Refrigerator Testing Lab, LG Electronics India Pvt. Ltd., Plot No. 51, Udyog Vihar, Surajpur Kasna 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 |
|-----|----------------------------|-------------------------|---|--|
|-----|----------------------------|-------------------------|---|--|

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 |

Mandeep Kumar
Convenor

N. Venkateswaran
Program Director

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| | | Cooling capacity | IS1391(Part-1) clause 10.10 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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