# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-11592 **Page No** 1 of 36

**Validity** 01/05/2023 to 30/04/2025 **Last Amended on** -

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Charging Procedure for Test Purpose | (Cl 7.2) IS 16047-Part 3 |
| 2 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | Altitude Simulation | (Test T.1) UN 38.3 |
| 3 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | External Short Circuit | (Test T.5) UN 38.3 |
| 4 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | Force Discharge Test | (Test T.8) UN 38.3 |
| 5 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | Impact/Crush Test | (Test T.6) UN 38.3 |
| 6 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | Overcharge Test | (Test T.7) UN 38.3 |
| 7 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | Shock Test | (Test T.4) UN 38.3 |
| 8 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | Thermal Test | (Test T.2) UN 38.3 |
| 9 | ELECTRICAL- CELLS & BATTERIES | Cells & Batteries (Lithium and Nickel) | Vibration Test | (Test T.3) UN 38.3 |
| 10 | ELECTRICAL- CELLS & BATTERIES | Multi-Purpose Dry Batteries | Dimensions | (Cl. 5) IS 8144 |
| 11 | ELECTRICAL- CELLS & BATTERIES | Multipurpose Dry Batteries | Marking | (Cl. 8) IS 8144 |
| 12 | ELECTRICAL- CELLS & BATTERIES | Multipurpose Dry Batteries | Terminals | (Cl. 6) IS 8144 |
| 13 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Case stress at high ambient temperature (battery) | (Cl 7.2.2) IS 16046 (Part 2) |
| 14 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Charging Procedure for test purpose | (Cl 7.1) IEC 62133-2 |
| 15 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Charging Procedure for test purpose | (Cl 7.1) IS 16046 (Part 2) |

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| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-11592 | **Page No** | 2 of 36 |
| **Validity** | 01/05/2023 to 30/04/2025 | **Last Amended on** | - |

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| 16 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Continuous Charging at constant voltage (cells) | (Cl 7.2.1) IEC 62133-2 |
| 17 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Continuous Charging at constant voltage (cells) | (Cl 7.2.1) IS 16046 (Part 2) |
| 18 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Crush (cells) | (Cl. 7.3.5) IS 16046 (Part 2) |
| 19 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Crush (cells) | (Cl. 7.3.5) IEC 62133-2 |
| 20 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Design evaluation-Forced internal short-circuit (cells) | (Cl. 7.3.9) IEC 62133-2 |
| 21 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | External short circuit(battery) | (Cl 7.3.2) IEC 62133-2 |
| 22 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | External short circuit(battery) | (Cl. 7.3.2) IS 16046 (Part 2) |
| 23 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | External short circuit(cell) | (Cl 7.3.1) IEC 62133-2 |
| 24 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | External short circuit(cell) | (Cl. 7.3.1) IS 16046 (Part 2) |
| 25 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Forced Discharge (cells) | (Cl 7.3.7) IS 16046 (Part 2) |
| 26 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Forced Discharge (cells) | (Cl. 7.3.7) IEC 62133-2 |

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| 27 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Free fall | (Cl 7.3.3) IS 16046 (Part 2) |
| 28 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Free fall | (Cl 7.3.3) IEC 62133-2 |
| 29 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Information for safety | (Cl. 8) IEC 62133-2 |
| 30 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Information for safety | (Cl. 8) IS 16046 (Part 2) |
| 31 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Marking | (Cl. 9) EC 62133-2 |
| 32 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Marking | (Cl 9) IS 16046 (Part 2) |
| 33 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Mechanical Tests | (Cl 7.3.8) IS 16046 (Part 2) |
| 34 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Over-charging of battery | (Cl. 7.3.6) IS 16046 (Part 2) |
| 35 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Over-charging of battery | (Cl 7.3.6) IEC 62133-2 |
| 36 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Packaging and transport | (Cl. 10) IS 16046 (Part 2) |
| 37 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Packaging and transport | (Cl. 10) IEC 62133-2 |

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| 38 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Thermal Abuse (cells) | (Cl 7.3.4) IEC 62133-2 |
| 39 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Thermal Abuse (cells) | (Cl 7.3.4) IS 16046 (Part 2) |
| 40 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Vibration | (Cl. 7.3.8.1) IS 16046 (Part 2) |
| 41 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Vibration | (Cl. 7.3.8.1) IEC 62133-2 |
| 42 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Case stress at high temperature (batteries) | (Cl. 7.2.3) IEC 62133-1 |
| 43 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Case stress at high temperature (batteries) | (Cl. 7.2.3) IS 16046 (Part 1) |
| 44 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Charging Procedure for test purpose | (Cl 7.1) IS 16046 (Part1) |
| 45 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Charging Procedure for test purpose | (Cl 7.1) IEC 62133-1 |
| 46 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Continuous low-rate Charging (cells) | (Cl 7.2.1) IEC 62133-1 |
| 47 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Continuous low-rate Charging (cells) | (Cl 7.2.1) IS 16046 (Part 1) |
| 48 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Crushing of cells | (Cl. 7.3.6) IEC 62133-1 |

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| 49 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Crushing of cells | (Cl.7.3.6) IS 16046 (Part1) |
| 50 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | External Short Circuit | (Cl. 7.3.2) IS 16046 (Part 1) |
| 51 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | External Short Circuit | (Cl. 7.3.2) IEC 62133-1 |
| 52 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Forced Discharge (cells) | (Cl. 7.3.9) IS 16046 (Part 1) |
| 53 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Forced Discharge (cells) | (Cl. 7.3.9) IEC 62133-1 |
| 54 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Free fall | (Cl. 7.3.3) IS 16046 (Part 1) |
| 55 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Free fall | (Cl. 7.3.3) IEC 62133-1 |
| 56 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Incorrect Installation (Cells) | (Cl. 7.3.1) IEC 62133-1 |
| 57 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Incorrect Installation (Cells) | (Cl. 7.3.1) IS 16046 (Part1) |
| 58 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Information for safety | (Cl 8) IS 16046 (Part1) |
| 59 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Information for safety | (Cl. 8) IEC 62133-1 |

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| 60 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Low Pressure (Cells) | (Cl. 7.3.7) IEC 62133-1 |
| 61 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Low Pressure (Cells) | (Cl. 7.3.7) IS 16046 (Part 1) |
| 62 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Marking | (Cl 9) IS 16046 (Part 1) |
| 63 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Marking | (Cl. 9) IEC 62133-1 |
| 64 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Mechanical Shock (crash hazard) | (Cl. 7.3.4) IEC 62133-1 |
| 65 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Mechanical Shock (crash hazard) | (Cl. 7.3.4) IS 16046 (Part1) |
| 66 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Overcharge | (Cl. 7.3.8)IEC 62133-1 |
| 67 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Overcharge | (Cl. 7.3.8)IS 16046 (Part 1) |
| 68 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Packaging | (Cl 10) IEC 62133-1 |
| 69 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Packaging | (Cl 10) IS 16046 (Part 1) |
| 70 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Temperature Cycling | (Cl. 7.2.4) IS 16046 (Part1) |

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| 71 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Temperature Cycling | (Cl. 7.2.4) IEC 62133-1 |
| 72 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Thermal Abuse (cells) | (Cl. 7.3.5)IS 16046 (Part 1) |
| 73 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Thermal Abuse (cells) | (Cl. 7.3.5) IEC 62133-1 |
| 74 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Vibration | (Cl. 7.2.2) IS 16046 (Part1) |
| 75 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary Cells and for batteries made form them, for use in portable Application (Nickel system) | Vibration | (Cl. 7.2.2) IEC 62133-1 |
| 76 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Case stress at high ambient temperature (battery) | (Cl 7.2.2) IEC 62133-2 |
| 77 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Safety Requirements for Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Mechanical Tests | (Cl. 7.3.8) IEC 62133-2 |
| 78 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non- Acid Electrolytes- Portable sealed secondary cells and for batteries made for them for use in portable applications (Lithium System) | Design evaluation-Forced internal short-circuit (cells) | (Cl. 7.3.9) IS 16046 (Part 2) |
| 79 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Conditional Type Approval | (Cl 8.2.3) IS 16047-Part 3 |
| 80 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | “Discharge Performance, Charge (Capacity)retention and recovery, Charge (Capacity) recovery after long term storage, Endurance in cycles, Battery Internal Resistance & Electrostatic Discharge” | (Cl 7.1) IS 16047-Part 3 |

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| 81 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | “Discharge Performance, Charge (Capacity)retention and recovery, Charge (Capacity) recovery after long term storage, Endurance in cycles, Battery Internal Resistance & Electrostatic Discharge” | (Cl 8.2.2) IS 16047-Part 3 |
| 82 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Cells Designation and Marking | (Cl.5) IS 16047 -Part 3 |
| 83 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Charge (Capacity) recovery after long term storage | (Cl 7.5) IS 16047-Part 3 |
| 84 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Charge (Capacity) retention and recovery | (Cl 7.4) IS 16047-Part 3 |
| 85 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Dimensions | (Cl 8.2.1) IS 16047-Part 3 |
| 86 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Discharge Procedure | (Cl 7.3) IS 16047-Part 3 |
| 87 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Endurance in cycles | (Cl 7.6) IS 16047-Part 3 |
| 88 | ELECTRICAL- CELLS & BATTERIES | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes-Secondary Lithium Cells and Batteries for Portable Applications | Test Protocol | (Cl 8.1) IS 16047-Part 3 |
| 89 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Abnormal Operation | (Cl.19) IEC 60335-2-15 |
| 90 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Abnormal Operation | (Cl.19) IS 302-2-15 |
| 91 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Classification | (Cl.6) IEC 60335-2-15 |
| 92 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Classification | (Cl.6) IS 302-2-15 |
| 93 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Clearances, Creepage distances and solid insulations | (Cl.29) IS 302-2-15 |
| 94 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Clearances, Creepage distances and solid insulations | (Cl.29) IEC 60335-2-15 |

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|---|---|---|---|---|
| 95 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Construction | (Cl.22) IEC 60335-2-15 |
| 96 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Construction | (Cl.22) IS 302-2-15 |
| 97 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Heating | (Cl.11) IEC 60335-2-15 |
| 98 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Heating | (Cl.11) IS 302-2-15 |
| 99 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Internal wiring | (Cl.23) IEC 60335-2-15 |
| 100 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Internal wiring | (Cl.23) IS 302-2-15 |
| 101 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Leakage current and Electric strength | (Cl.16) IS 302-2-15 |
| 102 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Leakage current and electric strength at operating temperature | (Cl.13) IS 302-2-15 |
| 103 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Leakage current and Electric strength | (Cl.16) IEC 60335-2-15 |
| 104 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Leakage current and electric strength at operating temperature | (Cl.13) IEC 60335-2-15 |
| 105 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Marking and Instructions | (Cl.7) IEC 60335-2-15 |
| 106 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Marking and Instructions | (Cl.7) IS 302-2-15 |
| 107 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Mechanical strength | (Cl.21) IEC 60335-2-15 |
| 108 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Mechanical strength | (Cl.21) IS 302-2-15 |
| 109 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Moisture Resistance | (Cl.15) IEC 60335-2-15 |
| 110 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Moisture resistance | (Cl.15) IS 302-2-15 |
| 111 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Power Input And Current | (Cl.10) IEC 60335-2-15 |
| 112 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Power Input And Current | (Cl.10) IS 302-2-15 |

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|---|---|---|---|---|
| 113 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Protection against access to live parts | (Cl.8) IS 302-2-15 |
| 114 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Protection against access to live parts | (Cl.8) IEC 60335-2-15 |
| 115 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Provision for earthing | (Cl.27) IEC 60335-2-15 |
| 116 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Provision for earthing | (Cl.27) IS 302-2-15 |
| 117 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Resistance to heat and fire | (Cl.30) IEC 60335-2-15 |
| 118 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Resistance to heat and fire | (Cl.30) IS 302-2-15 |
| 119 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Resistance to rusting | (Cl.31) IEC 60335-2-15 |
| 120 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Resistance to rusting | (Cl.31) IS 302-2-15 |
| 121 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Screws and connections | (Cl.28) IEC 60335-2-15 |
| 122 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Screws and connections | (Cl.28) IS 302-2-15 |
| 123 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Stability and mechanical hazards | (Cl.20) IS 302-2-15 |
| 124 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Stability and mechanical hazards | (Cl.20) IEC 60335-2-15 |
| 125 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Supply Connection and External Flexible Cords | (Cl.25) IEC 60335-2-15 |
| 126 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Supply Connection and External Flexible Cords | (Cl.25) IS 302-2-15 |
| 127 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Terminals for external conductors | (Cl.26) IS 302-2-15 |
| 128 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Terminals for external conductors | (Cl.26) IEC 60335-2-15 |
| 129 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Transient overvoltages | (Cl.14) IEC 60335-2-15 |
| 130 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Transient overvoltages | (Cl.14) IS 302-2-15 |
| 131 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Verification of Components | (Cl 24) IEC 60335-2-15 |

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|---|---|---|---|---|
| 132 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Appliances For Heating Liquids | Verification of Components | (Cl 24) IS 302-2-15 |
| 133 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Abnormal operation | (Cl.19) IEC 60335-2-14 |
| 134 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Abnormal operation | (Cl.19) IS 302-2-14 |
| 135 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Classification | (Cl.6) IEC 60335-2-14 |
| 136 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Classification | (Cl.6) IS 302-2-14 |
| 137 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Clearances, Creepage distances and solid insulations | (Cl.29) IS 302-2-14 |
| 138 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Clearances, Creepage distances and solid insulations | (Cl.29) IEC 60335-2-14 |
| 139 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Construction | (Cl.22) IEC 60335-2-14 |
| 140 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Construction | (Cl.22) IS 302-2-14 |
| 141 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Heating | (Cl.11) IEC 60335-2-14 |
| 142 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Heating | (Cl.11) IS 302-2-14 |
| 143 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Internal wiring | (Cl.23) IEC 60335-2-14 |
| 144 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Internal wiring | (Cl.23) IS 302-2-14 |
| 145 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Leakage current and Electric strength | (Cl.16) IS 302-2-14 |
| 146 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Leakage current and electric strength at operating temperature | (Cl.13) IS 302-2-14 |
| 147 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Leakage current and Electric strength | (Cl.16) IEC 60335-2-14 |
| 148 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Leakage current and electric strength at operating temperature | (Cl.13) IEC 60335-2-14 |
| 149 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Marking and Instructions | (Cl. 7) IEC 60335-2-14 |

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|---|---|---|---|---|
| 150 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Marking and Instructions | (Cl.7) IS 302-2-14 |
| 151 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Mechanical strength | (Cl.21) IEC 60335-2-14 |
| 152 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Mechanical strength | (Cl.21) IS 302-2-14 |
| 153 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Moisture resistance | (Cl.15) IEC 60335-2-14 |
| 154 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Moisture resistance | (Cl.15) IS 302-2-14 |
| 155 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Power Input And Current | (Cl.10) IEC 60335-2-14 |
| 156 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Power Input And Current | (Cl.10) IS 302-2-14 |
| 157 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Protection against access to live parts | (Cl.8) IS 302-2-14 |
| 158 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Protection against access to live parts | (Cl.8) IEC 60335-2-14 |
| 159 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Provision for earthing | (Cl.27) IEC 60335-2-14 |
| 160 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Provision for earthing | (Cl.27) IS 302-2-14 |
| 161 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Resistance to heat and fire | (Cl.30) IEC 60335-2-14 |
| 162 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Resistance to heat and fire | (Cl.30) IS 302-2-14 |
| 163 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Resistance to rusting | (Cl.31) IEC 60335-2-14 |
| 164 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Resistance to rusting | (Cl.31) IS 302-2-14 |
| 165 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Screws and connections | (Cl.28) IEC 60335-2-14 |
| 166 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Screws and connections | (Cl.28) IS 302-2-14 |
| 167 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Stability and mechanical hazards | (Cl.20) IS 302-2-14 |
| 168 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Stability and Mechanical hazards | (Cl.20) IEC 60335-2-14 |

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|---|---|---|---|---|
| 169 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Supply connection & external flexible cords | (Cl.25) IS 302-2-14 |
| 170 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Supply connection & external flexible cords | (Cl.25) IEC 60335-2-14 |
| 171 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Terminals for external conductors | (Cl.26) IS 302-2-14 |
| 172 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Terminals for external conductors | (Cl.26) IEC 60335-2-14 |
| 173 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Transient over voltages | (Cl.14) IEC 60335-2-14 |
| 174 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Transient over voltages | (Cl.14) IS 302-2-14 |
| 175 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Verification of Components | (Cl 24) IEC 60335-2-14 |
| 176 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Electric kitchen machines | Verification of Components | (Cl 24) IS 302-2-14 |
| 177 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Abnormal operation | (Cl.19) IEC:60335-1 |
| 178 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Abnormal operation | (Cl.19) IS 302-1 |
| 179 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Classification | (Cl.6) IEC:60335-1 |
| 180 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Classification | (Cl.6) IS 302-1 |
| 181 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Clearances, Creepage distances and solid insulations | (Cl.29) IEC:60335-1 |
| 182 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Clearances, Creepage distances and solid insulations | (Cl.29) IS 302-1 |
| 183 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Construction | (Cl.22) IEC:60335-1 |
| 184 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Construction | (Cl.22) IS 302-1 |
| 185 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Heating | (Cl.11) IEC:60335-1 |
| 186 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Heating | (Cl.11) IS 302-1 |
| 187 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Internal wiring | (Cl.23) IEC:60335-1 |

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|---|---|---|---|---|
| 188 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Leakage current and Electric strength | (Cl.16) IEC:60335-1 |
| 189 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Leakage current and electric strength at operating temperature | (Cl.13) IEC:60335-1 |
| 190 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Leakage current and Electric strength | (Cl.16)IS 302-1 |
| 191 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Leakage current and electric strength at operating temperature | (Cl.13) IS 302-1 |
| 192 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Marking and Instructions | (Cl.7) IEC:60335-1 |
| 193 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Marking and Instructions | (Cl.7) IS 302-1 |
| 194 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Mechanical strength | (Cl.21) IEC:60335-1 |
| 195 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Mechanical strength | (Cl.21) IS 302-1 |
| 196 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Moisture resistance | (Cl.15) IEC:60335-1 |
| 197 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Moisture resistance | (Cl.15) IS 302-1 |
| 198 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Power Input And Current | (Cl.10) IEC:60335-1 |
| 199 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Power Input And Current | (Cl.10) IS 302-1 |
| 200 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Protection against access to live parts. | (Cl.8) IS 302-1 |
| 201 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Protection against access to live parts | (Cl.8) IEC:60335-1 |
| 202 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Provision for earthing | (Cl.27) IEC:60335-1 |
| 203 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Provision for earthing | (Cl.27) IS 302-1 |
| 204 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Resistance to heat and fire | (Cl.30) IEC:60335-1 |
| 205 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Resistance to heat and fire | (Cl.30) IS 302-1 |

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|---|---|---|---|---|
| 206 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Resistance to rusting | (Cl.31) IEC:60335-1 |
| 207 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Resistance to rusting | (Cl.31) IS 302-1 |
| 208 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Screws and connections | (Cl.28) IEC:60335-1 |
| 209 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Screws and connections | (Cl.28) IS 302-1 |
| 210 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Stability and mechanical hazards | (Cl.20) IS 302-1 |
| 211 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Stability and mechanical hazards | (Cl.20) IEC:60335-1 |
| 212 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Stability and mechanical hazards | (Cl.20) IEC:60335-1 |
| 213 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Supply connection & external flexible cords | (Cl.25) IEC:60335-1 |
| 214 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Supply connection & external flexible cords | (Cl.25) IS 302-1 |
| 215 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Terminals for external conductors | (Cl.26) IS 302-1 |
| 216 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Terminals for external conductors | (Cl.26) IEC:60335-1 |
| 217 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Transient overvoltages | (Cl.14) IEC:60335-1 |
| 218 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Transient overvoltages | (Cl.14) IS 302-1 |
| 219 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Verification of Components | (Cl 24) IEC:60335-1 |
| 220 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Household and Similar Appliances | Verification of Components | (Cl 24) IS 302-1 |
| 221 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Classification | (Cl.6) IS 302-2-6 |
| 222 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Clearances, Creepage distances and solid insulations | (Cl.29) IS 302-2-6 |
| 223 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Construction | (Cl.22) IS 302-2-6 |
| 224 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Internal wiring | (Cl.23) IS 302-2-6 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA

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**Validity** 01/05/2023 to 30/04/2025 **Last Amended on** -

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 225 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Marking and Instructions | (Cl.7) IS 302-2-6 |
| 226 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Mechanical strength | (Cl.21) IS 302-2-6 |
| 227 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Provision for earthing | (Cl.27) IS 302-2-6 |
| 228 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Resistance to heat and fire | (Cl.30) IS 302-2-6 |
| 229 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Resistance to rusting | (Cl.31) IS 302-2-6 |
| 230 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Screws and connections | (Cl.28) IS 302-2-6 |
| 231 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Stability and mechanical hazards | (Cl.20) IS 302-2-6 |
| 232 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Supply connection & external flexible cords | (Cl.25) IS 302-2-6 |
| 233 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Terminals for external conductors | (Cl.26) IS 302-2-6 |
| 234 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Transient overvoltages | (Cl.14) IS 302-2-6 |
| 235 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Verification of Components | (Cl 24) IS 302-2-6 |
| 236 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Classification | (Cl.6) IEC 60335-2-6 |
| 237 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Clearances, Creepage distances and solid insulations | (Cl.29) IEC 60335-2-6 |
| 238 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Construction | (Cl.22) IEC 60335-2-6 |
| 239 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Internal wiring | (Cl.23) IEC 60335-2-6 |
| 240 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Marking and Instructions | (Cl.7) IEC 60335-2-6 |
| 241 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Mechanical strength | (Cl.21) IEC 60335-2-6 |
| 242 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Provision for earthing | (Cl.27) IEC 60335-2-6 |
| 243 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Resistance to heat and fire | (Cl.30) IEC 60335-2-6 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
| **Laboratory Name :** | ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA | | |
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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 244 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Resistance to rusting | (Cl.31) IEC 60335-2-6 |
| 245 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Screws and connections | (Cl.28) IEC 60335-2-6 |
| 246 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Stability and mechanical hazards | (Cl.20) IEC 60335-2-6 |
| 247 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Supply connection & external flexible cords | (Cl.25) IEC 60335-2-6 |
| 248 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Terminals for external conductors | (Cl.26) IEC 60335-2-6 |
| 249 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Transient overvoltages | (Cl.14) IEC 60335-2-6 |
| 250 | ELECTRICAL- DOMESTIC ELECTRICAL APPLIANCES | Stationary Cooking Ranges, Hobs, Ovens And Similar Appliances | Verification of Components | (Cl 24) IEC 60335-2-6 |
| 251 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Bump Test | (Test No. 5) JSS 55555 |
| 252 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Bump Test | IEC 60068-2-27 |
| 253 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Bump/Roadability Test | (Test No.13 )QM 333 |
| 254 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Cold Test | (Test No. 1) QM 333 |
| 255 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Cold Test | IEC 60068-2-1 |
| 256 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Cold Test | IS:9000(Part II Sec 1 to 4) |
| 257 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Composite Temperature Humidity Cycle Test | IEC 60068-2-30 |
| 258 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Composite Temperature/Humidity Cyclic Test | IS:9000(Part VI) |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 259 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Constant High Humidity Test | JASO D 001: Clause No. 5.19 |
| 260 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat (Cyclic) | IEC 60068-2-30 |
| 261 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat (Cyclic) Test | IS:9000:(Part V/sec 1 to 2) |
| 262 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat (Steady State) | (Test No. 5 )QM 333 |
| 263 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat (Steady State) | IEC 60068-2-78 |
| 264 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat (Steady State) | IS:9000 (Part 4) |
| 265 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat Test | JSS 55555: Test No.10 |
| 266 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat, Steady-State | ISO 16750-4: Clause No. 5.7 |
| 267 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dew Formation | JASO D001: Clause 5.20 |
| 268 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dry Heat Test | (Test No. 2 )QM 333 |
| 269 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dry Heat Test | IEC 60068-2-2 |
| 270 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dry Heat Test | IS:9000(Part III/sec 1 to 5) |
| 271 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dust Resistance | JASO D001: Clause No. 5.25 |
| 272 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dust Test | (Test No. 15) QM: 333 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 273 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dust Test | JSS 55555: Test No. 14 |
| 274 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Fall Test | (Test no.12) QM 333 |
| 275 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Free Fall Test | ISO 16750-3: Clause No. 4.3 |
| 276 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Heat Cycle Test | JASO D 001: Clause No. 5.16 |
| 277 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | High Temperature Test | JASO D 001: Clause No. 5.14 and 5.15 |
| 278 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | High Temperature Test | JSS 55555: Test No. 17 |
| 279 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | High Temperature Test | MIL-STD-810G: Method 501.5 |
| 280 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Humid Heat, Cyclic | ISO 16750-4: Clause No. 5.6 |
| 281 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Humidity | MIL-STD-810G: Method 507.5 |
| 282 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Low Temperature Test | JASO D 001: Clause No. 5.12 and 5.13 |
| 283 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Low Temperature Test | JSS 55555: Test No. 20 |
| 284 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Low Temperature Test | MIL-STD-810G: Method 502.5 |
| 285 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Mechanical Shock Test | IEC 60068-2-27 |
| 286 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Mechanical Shock Test | ISO 16750-3: Clause 4.2 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 287 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Mechanical Shock Test | JSS 55555 Test No. 24 |
| 288 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Mechanical Shock Test or Bump Test | IS 9000 (Part VII/Sec 1) |
| 289 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Rapid Temperature Cyclic Test | (Test No. 4) QM 333 |
| 290 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Rapid Temperature Cycling | JSS 55555: Test No. 22 |
| 291 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Shock Test | MIL-STD-810G: Method 516.6 |
| 292 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Temperature and humidity cycle test | JASO D 001: Clause No. 5.18 |
| 293 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Temperature Shock | MIL-STD-810G: Method 503.5 |
| 294 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Temperature Steps Test | (Cl 5.2) ISO 16750-4 |
| 295 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Test at Constant Temperature | ISO 16750-4: Clause No. 5.1 |
| 296 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Cycling (Change of temperature with specified rate) | IEC 60068-2-14 |
| 297 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Cycling (Change of temperature with specified rate) | IS:9000(part 14/sec 2) |
| 298 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Cycling (Change of temperature with specified rate) | ISO 16750-4: Clause No. 5.3 |
| 299 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Cycling (Change of temperature with specified rate) | SAE J1455 |
| 300 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Shock (Rapid change of temperature with prescribed time of transfer) | IEC 60068-2-14 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
| **Laboratory Name :** | ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA | | |
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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 301 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Shock (Rapid change of temperature with prescribed time of transfer) | IS 9000 (Part 14/Sec 1) |
| 302 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Shock (Rapid change of temperature with prescribed time of transfer) | JASO D 001: Clause No. 5.17 |
| 303 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Shock (Rapid change of temperature with prescribed time of transfer) | SAE J1455 |
| 304 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Topple Test | (Test No. 11) QM 333 |
| 305 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Toppling Test | JSS 55555: Test No. 26 |
| 306 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Tropical Exposure | JSS 55555: Test No. 27 |
| 307 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Tropical Exposure Test | JSS 55555: Test No. 27 |
| 308 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test | (Test No. 6) QM 333 |
| 309 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test | IEC 60068-2-64 |
| 310 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test | ISO 16750-3: Clause No. 4 |
| 311 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test | JASO D001: Clause No. 5.23 |
| 312 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test | MIL-STD-810G: Method 514.6 |
| 313 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Water Immersion | (Test No. 8) QM 333 |
| 314 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration | IEC 60068-2-6 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 315 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration | IS 9000 (Part VIII) |
| 316 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration | JSS:55555 |
| 317 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration | JIS D 1601 |
| 318 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Cold Test | IEC 60571 |
| 319 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Damp Heat Test | IEC 60571 |
| 320 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Drop & Topple Free Fall | IS 9000: VII (Sec 3 & 4) |
| 321 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Fire Hazard Testing-Glow wire Test | IEC:60695-2-10 |
| 322 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Fire Hazard Testing-Glow Wire Test | IS: 11000-Part-2/ sec-1 |
| 323 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Fire Hazard Testing-Needle Flame Test | IEC:60695-11-5 |
| 324 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Fire Hazard Testing-Needle Flame Test | IS:11000-Part-2/sec-2 |
| 325 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Hammer Test | IS 60068-2-75 |
| 326 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Heat Resistance | JIS D 5500 (Cl 4.6) |
| 327 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | High Temperature | JASO D 001 (Cl 5.14) |
| 328 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Humidity Test | JASO D 001 (cl-5.19) |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 329 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Low Temperature | JASO D 001 (Cl 5.12) |
| 330 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | MECHANICAL VIBRATIONS OF SHIPBOARD EQUIPMENT | MIL-STD-167-1A |
| 331 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Rough handling shocks, primarily for equipment-type specimens | EN 60068-2-31 |
| 332 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Rough handling shocks, primarily for equipment-type specimens | IEC:60068-2-31 |
| 333 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Shock & Vibration Test | IEC 61373 |
| 334 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Temperature & Cycle Test | JASO D 001 (cl-5.18) |
| 335 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Temperature Cycle Test | JASO D 001 (Cl 5.16) |
| 336 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Resistance | JASO D 001 (Cl 5.17) |
| 337 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Thermal Shock Test | JASO D 001 (cl-5.17) |
| 338 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Resistance | JIS D 5500 (Cl 4.7) |
| 339 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test | IEC 60068-2-6 |
| 340 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test | IEC 60571 |
| 341 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Vibration Test (Gun Fire Test) | MIL-STD-810G: Method 519.6 |
| 342 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Degree of Protection Provided by Enclosures | IS/IEC:60529 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 343 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Degree of Protection Test Provided by enclosures | BS/EN:60529 |
| 344 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Degrees of Protection Provided by enclosures for electrical equipment against external mechanical impacts(IK Code) | IEC:62262 |
| 345 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Drop Test | (Test No. 10) QM 333 |
| 346 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Drop Test | IEC 62262 |
| 347 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Drop Test | JSS 55555 Test No. 13 |
| 348 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dust Test | IS:9000(XII) |
| 349 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Ingress Protection Test | ISO 20653 |
| 350 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Degree of Protection provided by Enclosures | IEC:60529 |
| 351 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosure of electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Dry Heat Test | IEC 60571 |
| 352 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Enclosures for accessories for houshold and similar fixed electrical installations | Resistance to aging, to humidity condition, to ingress of solid objects and to harmful ingress of water | IS 14772 (Cl 12.3 & Cl 12.4) |
| 353 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Railway vehicles-Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Fire Protection on Railway vehicles | DIN/EN: 45545-1-7 |
| 354 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Railway vehicles-Electrical and electronic product, Electronic and electrical equipment, Automotive and electromechanical product and other component | Fire Protection on Railway vehicles | DIN/EN:45545-2 |
| 355 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Rotating Electrical Machines | Degree of Protection Provided by Enclosures | IEC:60034-5 |

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|---|---|---|---|
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|---|---|---|---|---|
| 356 | ELECTRICAL-ENVIRONMENTAL TEST FACILITY | Rotating Electrical Machines | Degree of Protection Provided by Enclosures | IS:60034-5 |
| 357 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Classification | (Cl.6) IEC 61347-2-13 |
| 358 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Classification | (Cl.6) IS 15885 ( Part 2/Sec 13) |
| 359 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Construction | (Cl.16) IEC 61347-2-13 |
| 360 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Construction | (Cl.16) IS 15885 ( Part 2/Sec 13) |
| 361 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Creepage Distance and Clearances | (Cl.17) IEC 61347-2-13 |
| 362 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Creepage Distance and Clearances | (Cl.17) IS 15885 ( Part 2/Sec 13 |
| 363 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Electric Strength | (Cl.12) IEC 61347-2-13 |
| 364 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Electric Strength | (Cl.12) IS 15885 ( Part 2/Sec 13) |
| 365 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Fault Condition | (Cl.14) IEC 61347-2-13 |
| 366 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Fault Condition | (Cl.14) IS 15885 ( Part 2/Sec 13) |
| 367 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Marking | (Cl.7) IEC 61347-2-13 |
| 368 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Marking | (Cl.7) IS 15885 ( Part 2/Sec 13) |
| 369 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Moisture Resistance and Insulation | (Cl.11) IEC 61347-2-13 |

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|---|---|---|---|---|
| 370 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Moisture Resistance and Insulation | (Cl.11) IS 15885 ( Part 2/Sec 13) |
| 371 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Protection against accidental Contact With live parts | (Cl.8) IEC 61347-2-13 |
| 372 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Protection against accidental Contact With live parts | (Cl.8) IS 15885 ( Part 2/Sec 13) |
| 373 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Provision for Protective Earthing | (Cl.10) IEC 61347-2-13 |
| 374 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Provision for Protective Earthing | (Cl.10) IS 15885 ( Part 2/Sec 13) |
| 375 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Resistance To Corrosion | (Cl.20) IEC 61347-2-13 |
| 376 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Resistance To Corrosion | (Cl.20) IS 15885 ( Part 2/Sec 13) |
| 377 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Resistance to Heat, Fire and Tracking | (Cl.19) IEC 61347-2-13 |
| 378 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Resistance to Heat, Fire and Tracking | (Cl.19) IS 15885 ( Part 2/Sec 13) |
| 379 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Screws, Current-carrying Parts and Connections | (Cl.18) IEC 61347-2-13 |
| 380 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Screws, Current-carrying Parts and Connections | (Cl.18) IS 15885 ( Part 2/Sec 13) |
| 381 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Terminals | (Cl.9) IEC 61347-2-13 |
| 382 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Terminals | (Cl.9) IS 15885 ( Part 2/Sec 13) |
| 383 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Thermal Endurance Test For Windings of Ballasts | (Cl.13) IEC 61347-2-13 |

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|---|---|---|---|
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|---|---|---|---|---|
| 384 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Thermal Endurance Test For Windings of Ballasts | (Cl.13) IS 15885 ( Part 2/Sec 13) |
| 385 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Transformer Heating | (Cl.15) IEC 61347-2-13 |
| 386 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | d.c. or a.c. supplied electronic controlgear for LED modules | Transformer Heating | (Cl.15) IS 15885 ( Part 2/Sec 13) |
| 387 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Cap Temperature Rise | (Cl.10) IS:16102 (Part-1) |
| 388 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Cap Temperature Rise Test | (Cl.10) IEC 62560 |
| 389 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Creepage Distance And Clearances | (Cl.14) IEC 62560 |
| 390 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Creepage Distance And Clearances | (Cl.14) IS:16102 (Part-1) |
| 391 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Fault Conditions | (Cl.13) IEC 62560 |
| 392 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Fault Conditions | (Cl.13) IS:16102 (Part-1) |
| 393 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Insulation resistance and electric strength after humidity treatment | (Cl.8) IEC 62560 |
| 394 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Insulation resistance and electric strength after humidity treatment | (Cl.8) IS 16102 (Part-1) |
| 395 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Interchangeability | (Cl.6) IEC 62560 |
| 396 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Interchangeability | (Cl.6) IS:16102 (Part-1) |
| 397 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Marking | (Cl.5) IEC 62560 |

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| 398 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Marking | (Cl.5) IS:16102 (Part-1) |
| 399 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Mechanical Strength | (Cl.9) IEC 62560:2011 |
| 400 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Mechanical Strength | (Cl.9) IS:16102 (Part-1) |
| 401 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Protection Against Accidental Contact With Live Parts | (Cl.7) IS:16102 (Part-1) |
| 402 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Protection Against accidental Contact With Live Parts | (Cl.7) IEC 62560 |
| 403 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Resistance to Flame and Ignition | (Cl.12) IEC 62560 |
| 404 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Resistance to Flame and Ignition | (Cl.12) IS:16102 (Part-1) |
| 405 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Resistance To Heat | (Cl.11) IEC 62560 |
| 406 | ELECTRICAL- LAMPS, LUMINARIES & ACCESSORIES | Self - Ballasted LED Lamps for General Lighting Services | Resistance To Heat | (Cl.11) IS:16102(Part-1) |
| 407 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Additional requirements for Apparatus with Protection against Splashing Water (IPX1 to IP69) | (Annex-A) IEC:60065 |
| 408 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Additional requirements for apparatus with Protection against Splashing water (IPX1 to IP69) | (Annex-A) IS:616 |
| 409 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Apparatus to be connected to telecommunication Network | (Annex-B) IEC:60065 |
| 410 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Apparatus to be connected to telecommunication Network | (Annex-B) IS:616 |
| 411 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Clearances and Creepage Distances | (Cl.13) IEC:60065 |

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|---|---|---|---|---|
| 412 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Clearances and Creepage Distances | (Cl.13) IS:616 |
| 413 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Components | (Cl.14) IEC:60065 |
| 414 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Components | (Cl.14) IS:616 |
| 415 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Constructional Requirements with regard to protection Against Electric Shock | (Cl.8) IEC:60065 |
| 416 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Constructional Requirements with regard to protection Against Electric Shock | (Cl.8) IS:616 |
| 417 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Electric Shock Hazard Under Normal Operating Conditions | (Cl.9) IS:616 |
| 418 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Electric Shock Hazard Under Normal Operating Conditions | (Cl.9)IEC:60065 |
| 419 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Electrical Connections and Mechanical fixing | (Cl.17) IS:616 |
| 420 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Electrical Connections and Mechanical fixing | (Cl.17)IEC:60065 |
| 421 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | External Flexible Cord | (Cl.16) IEC:60065 |
| 422 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | External Flexible Cords | (Cl.16) IS:616 |
| 423 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Fault Conditions | (Cl.11) IEC:60065 |
| 424 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Fault Conditions | (Cl.11) IS:616 |
| 425 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Heating Under Normal Operating Condition | (Cl.7) IEC:60065 |
| 426 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Heating Under Normal Operating Condition | (Cl.7) IS:616 |
| 427 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Insulation Requirements | (Cl.10) IEC:60065 |
| 428 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Insulation Requirements | (Cl.10) IS:616 |
| 429 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Ionization Radiation | (Cl.6.1) IEC:60065 |

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|---|---|---|---|---|
| 430 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Ionization Radiation | (Cl.6.1) IS:616 |
| 431 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Marking & Instructions | (Cl.5) IS:616 |
| 432 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Marking & Instructions | (Cl.5) IEC:60065 |
| 433 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Mechanical Strength | (Cl.12) IEC:60065 |
| 434 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Mechanical Strength | (Cl.12) IS:616 |
| 435 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Resistance to fire | (Cl.20) IEC:60065 |
| 436 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Resistance to Fire | (Cl.20) IS:616 |
| 437 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Stability & Mechanical Hazards | (Cl.19) IEC:60065 |
| 438 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Stability & Mechanical Hazards | (Cl.19) IS:616 |
| 439 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Terminals | (Cl.15) IEC:60065 |
| 440 | ELECTRONICS- AUDIO EQUIPMENT | Audio, Video and Similar Electronics Apparatus | Terminals | (Cl.15) IS:616 |
| 441 | ELECTRONICS- AUDIO EQUIPMENT | Color TV | Energy Star Rating-Energy Star Program Requirements | BEE SCHEDULE 11 |
| 442 | ELECTRONICS- AUDIO EQUIPMENT | LED TV, LCD TV, Plasma Tv | Energy Star Rating- Energy Star Program Requirements | IEC:62301 |
| 443 | ELECTRONICS- AUDIO EQUIPMENT | LED TV, LCD TV, Plasma Tv | Energy Star Rating-Energy Start Program Requirements | IEC:62087 |
| 444 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Accessibility to Electrical Energy Sources and safeguards | (Cl.5.3.2) IS/IEC:62368-1 |
| 445 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Ball Pressure Test | (Cl.5.4.1.10.3) IS/IEC:62368-1 |
| 446 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Capacitor Discharge | (Cl.5.5.2.2) IS/IEC:62368-1 |
| 447 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Cart Stand or Carrier Loading | (Cl.8.10.3) IS/IEC:62368-1 |
| 448 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Clearance And Creepage Distance | (Cl.5.4.25.4.3) IS/IEC:62368-1 |

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| 449 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Compliance Criteria (Force) | (Cl.4.8) IS/IEC:62368-1 |
| 450 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Drop Test | (Cl.4.4.3.3. Annex T.7) IS/IEC:62368-1 |
| 451 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Electric Strength | (Cl.5.4.9) IS/IEC:62368-1 |
| 452 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Enclosure Impact | (Annex T.6, Annex.T.9) IS/IEC:62368-1 |
| 453 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Equipment for Direct insertion to mains socket -outlets | (Cl.4.7) IS/IEC:62368-1 |
| 454 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Equipment Mounted to a wallor Ceiling | (Cl.8.7) IS/IEC:62368-1 |
| 455 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Fixing Conductor | (Cl.4.6) IS/IEC:62368-1 |
| 456 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Horizontal Force | (Cl.8.6.5) IS/IEC:62368-1 |
| 457 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Humidity Conditioning | (Cl.5.4.8) IS/IEC:62368-1 |
| 458 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Impulse | (Cl.5.4.10.2.2) IS/IEC:62368-1 |
| 459 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Limited Power Source | (Annex Q.1) IS/IEC:62368-1 |
| 460 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Maximum Operating Temperature (Temperature Measurement) | (Cl.5.4.1.4) IS/IEC:62368-1 |
| 461 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Permanence of Marking | (Annex-F.3.9) IS/IEC:62368-1 |
| 462 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Power Source Circuit Classification | (Cl.6.2.2) IS/IEC:62368-1 |
| 463 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Resistance of the Protective Bonding System (Earth Bond) | (Cl.5.6.6) IS/IEC:62368-1 |
| 464 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | RMS Working Voltage/Peak Working Voltage (Working Voltage) | (Cl.5.4.1.8.2/5.4.1.8.3) IS/IEC:62368-1 |
| 465 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Simulated Abnormal Operating Conditions/Simulated Single fault Conditions | (Annex B.3 and B.4) IS/IEC:62368-1 |
| 466 | ELECTRONICS- IT EQUIPMENT | Audio/video information and Communication Technology Equipment | Static Stability | (Cl.8.6.2) IS/IEC:62368-1 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ABSOLUTE TESTING SERVICES, FCA-3659, SGM NAGAR NIT-3, FARIDABAD, HARYANA, INDIA

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 467 | ELECTRONICS- IT EQUIPMENT | Audio/Video Information and Communication Technology Equipment | Stead Force | (Annex T.2, Annex T.3, Annex T.4, Annex T5) IS/IEC 62368-1: |
| 468 | ELECTRONICS- IT EQUIPMENT | Audio/Video Information and Communication Technology Equipment | Stress Relief | (Annex T.8) IS/IEC:62368-1: |
| 469 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Abnormal operating and fault conditions | (Cl.5.3) IEC 60950-1 |
| 470 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Abnormal operating and fault conditions | (Cl.5.3) IS 13252-1 |
| 471 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Clearances, creepage distances and distances through insulation | (Cl.2.10) IEC 60950-1 |
| 472 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Clearances, creepage distances and distances through insulation | (Cl.2.10) IS 13252-1 |
| 473 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Components | (Cl.1.5) IEC 60950-1 |
| 474 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Components | (Cl.1.5) IS 13252-1 |
| 475 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Connection to a main supply | (Cl.3.2) IEC 60950-1 |
| 476 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Connection to a main supply | (Cl.3.2) IS 13252-1 |
| 477 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Connection to cable Distribution Systems | (Cl.7.1) IEC 60950-1 |
| 478 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Connection to Cable Distribution Systems | (Cl.7.1) IS 13252-1 |
| 479 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Design & construction | (Cl.4.3) IEC 60950-1 |
| 480 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Design & construction | (Cl.4.3) IS 13252-1 |
| 481 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Disconnection from the mains supply | (Cl.3.4) IEC 60950-1 |
| 482 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Disconnection from the mains supply | (Cl.3.4) IS 13252-1 |
| 483 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Electric strength | (Cl.5.2) IEC 60950-1 |
| 484 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Electric strength | (Cl.5.2) IS 13252-1 |

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 485 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Electrical Insulation | (Cl.2.9) IEC 60950-1 |
| 486 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Electrical Insulation | (Cl.2.9) IS 13252-1 |
| 487 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Household and home/office document/media shredders | (Annex EE) IS 13252-1 |
| 488 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Household and home/office document/media shredders | (Annex EE) IEC 60950-1 |
| 489 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Insulation between primary circuits and cable distribution systems | (Cl.7.4) IEC 60950-1 |
| 490 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Insulation between primary circuits and cable distribution systems | (Cl.7.4) IS 13252-1 |
| 491 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Interconnection of equipment | (Cl.3.5) IEC 60950-1 |
| 492 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Interconnection of equipment | (Cl.3.5) IS 13252-1 |
| 493 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Limited current circuits | (Cl.2.4) IEC 60950-1 |
| 494 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Limited current circuits | (Cl.2.4) IS 13252-1 |
| 495 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | limited power sources | (Cl.2.5) IEC 60950-1 |
| 496 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | limited power sources | (Cl.2.5) IS 13252-1 |
| 497 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Marking and instructions | (Cl. 1.7) IEC 60950-1 |
| 498 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Marking and instructions | (Cl. 1.7) IS 13252-1 |
| 499 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Mechanical Strength | (Cl.4.2) IEC 60950-1 |
| 500 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Mechanical Strength | (Cl.4.2) IS 13252-1 |
| 501 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Motor tests under abnormal conditions | (Annex B) IEC 60950-1 |
| 502 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Opening in Enclosures | (Cl.4.6) IEC 60950-1 |

# SCOPE OF ACCREDITATION

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|---|---|---|---|
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|---|---|---|---|---|
| 503 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Opening in Enclosures | (Cl.4.6) IS 13252-1 |
| 504 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Overcurrent and earth fault protection in primary circuits | (Cl.2.7) IEC 60950-1 |
| 505 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Overcurrent and earth fault protection in primary circuits | (Cl.2.7) IS 13252-1 |
| 506 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Power interface | (Cl. 1.6) IEC 60950-1 |
| 507 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Power interface | (Cl. 1.6) IS 13252-1 |
| 508 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection against hazardous moving parts | (Cl. 4.4) IEC 60950-1 |
| 509 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection against hazardous moving parts | (Cl. 4.4) IS 13252-1 |
| 510 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection from Electric shock and energy hazards | (Cl.2.1) IEC 60950-1 |
| 511 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection from Electric shock and energy hazards | (Cl.2.1) IS 13252-1 |
| 512 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of cable distribution system service person, and users of other equipment connected to the system, from hazardous voltages in the equipment | (Cl.7.2) IEC 60950-1 |
| 513 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of cable distribution system service person, and users of other equipment Connected to the system, from hazardous voltages in the equipment | (Cl.7.2) IS 13252-1 |
| 514 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of equipment users from over voltages on the cable distribution system | (Cl.7.3) IEC 60950-1 |
| 515 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of equipment users from over voltages on the cable distribution system | (Cl.7.3) IS 13252-1 |
| 516 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of equipment users from over voltages on telecommunication networks | (Cl.6.2) IEC 60950-1 |

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|---|---|---|---|---|
| 517 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of equipment users from over voltages on telecommunication networks | (Cl.6.2) IS 13252-1 |
| 518 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of the Telecommunication wiring system from overheating | (Cl.6.3) IEC 60950-1 |
| 519 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of the Telecommunication wiring system from overheating | (Cl.6.3) IS 13252-1 |
| 520 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment | (Cl.6.1) IEC 60950-1 |
| 521 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment | (Cl.6.1) IS 13252-1 |
| 522 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Provision for Earthing & Bonding | (Cl.2.6) IEC 60950-1 |
| 523 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Provision for Earthing & Bonding | (Cl.2.6) IS 13252-1 |
| 524 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Requirements for the mounting means of rack-mounted equipment | (Annex DD) IEC 60950-1 |
| 525 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Requirements for the mounting means of rack-mounted equipment | (Annex DD) IS 13252-1 |
| 526 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Resistance to fire | (Cl.4.7) IEC 60950-1 |
| 527 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Resistance to fire | (Cl.4.7) IS 13252-1 |
| 528 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Safety interlocks | (Cl.2.8) IEC 60950-1 |
| 529 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Safety interlocks | (Cl.2.8) IS 13252-1 |
| 530 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | SELV circuits | (Cl. 2.2) IEC 60950-1 |

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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 531 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | SELV circuits | (Cl. 2.2) IS 13252-1 |
| 532 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Stability | (Cl. 4.1) IEC 60950-1 |
| 533 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Stability | (Cl. 4.1) IS 13252-1 |
| 534 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Thermal Requirements | (Cl.4.5) IEC 60950-1 |
| 535 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Thermal Requirements | (Cl.4.5) IS 13252-1 |
| 536 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | TNV circuits | (Cl.2.3) IEC 60950-1 |
| 537 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | TNV circuits | (Cl.2.3) IS 13252-1 |
| 538 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Touch current & protective conductor current | (Cl.5.1) IEC 60950-1 |
| 539 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Touch current & protective conductor current | (Cl.5.1) IS 13252-1 |
| 540 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Transformers | (Annex C) IEC 60950-1 |
| 541 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Wiring connections & supply | (Cl. 3.1) IEC 60950-1 |
| 542 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | Wiring connections & supply | (Cl. 3.1) IS 13252-1 |
| 543 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | wiring terminal for connection of external conductors | (Cl. 3.3) IEC 60950-1 |
| 544 | ELECTRONICS- IT EQUIPMENT | Information Technology Equipments | wiring terminal for connection of external conductors | (Cl. 3.3) IS 13252-1 |
| 545 | ELECTRONICS- IT EQUIPMENT | Mobile Phone Handsets | Marking | (Cl. 6) IS 16333 ( Part 3) |
| 546 | ELECTRONICS- IT EQUIPMENT | Mobile Phone Handsets | Tests (Inputting of text) | (Cl.5.1) IS 16333 ( Part 3) |
| 547 | ELECTRONICS- IT EQUIPMENT | Mobile Phone Handsets | Tests (Message readability) | (Cl.5.2) IS 16333 ( Part 3) |