

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

HT Product Services Private Limited

(Formerly Known as House of Testing)

B-78 (Basement, 1st, 4th, 5th floor), Sector-5, Gautam Budh Nagar,
Noida-201301, Uttar Pradesh, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2023/0023

(Date of First Accreditation: 12 September 2023 – 11 September 2025)

Valid from: 03 February 2026

Valid until: 02 February 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: www.qai.org.in



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Accreditation Standard: ISO/IEC 17025:2017

| Mechanical Testing | | | |
|------------------------------|--|---|--------------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| Automotive Components | | | |
| 1. | Automotive and Electromechanical Products, Assemblies and other Components | Cold Test | IEC 60068-2-1:2025 |
| 2. | | Cold Test | IS/IEC 60068: Part 2: Sec 1: 2007 |
| 3. | | Composite Temperature/ Humidity Cyclic Test | IEC 60068-2-38:2021 |
| 4. | | Composite Temperature/ Humidity Cyclic Test | IS/IEC 60068: Part 2: Sec 38: 2021 |
| 5. | | Damp Heat, Cyclic (12 H + 12 H Cycle) | IEC 60068-2-30:2025 |
| 6. | | Damp Heat Cyclic (12 H + 12 H Cycle) | IS/IEC 60068: Part 2: Sec 30: 2005 |
| 7. | | Damp Heat (Cyclic) Test | IS 9000 (Part 5/Sec 1 & Sec II):2022 |
| 8. | | Damp Heat, Steady State | IEC 60068-2-78:2025 |
| 9. | | Damp Heat, Steady State | IS 9000 (Part 4): 2023 |
| 10. | | Dry Heat Test | IEC 60068-2-2:2007 |
| 11. | | Dry Heat Test | IS 9000 (Part 3/Sec I To V): 1977 |
| 12. | | High-Temperature Test | JASO D 014-4:2014 |

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|--------------------|--|--------------------------------|---------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Automotive Components | | |
| 13. | Automotive and Electromechanical Products, Assemblies and other Components | Low-Temperature Test, | ISO 16750-4:2023 |
| 14. | | High Temperature Test | ISO 16750-4:2023 |
| 15. | | Temperature Cycling Test | ISO 16750-4:2023 |
| 16. | | Rapid Change of Temperature | ISO 16750-4:2023 |
| 17. | | Cold Water Shock Test | ISO 16750-4:2023 |
| 18. | | Submersion Test | ISO 16750-4:2023 |
| 19. | Automotive and Electromechanical Products, Assemblies and other Components | Salt Spray Test | ISO 16750-4:2023 |
| 20. | | Corrosion Test | ISO 16750-4:2023 |
| 21. | | Salt Spray Combined Cycle Test | ISO 16750-4:2023 |
| 22. | | Humid Heat (Cyclic Test) | ISO 16750-4:2023 |
| 23. | | Atmospheric Pressure Test | ISO 16750-4:2023 |
| 24. | | Salt Spray Test | ASTM B117:2019 |
| 25. | | Salt Spray Test | IEC 60068-2-11:2021 |
| 26. | | Salt Spray Test | IS 5528: 2024 |



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|--------------------|--|--|------------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Automotive Components | | |
| 27. | Automotive and Electromechanical Products, Assemblies and other Components | Salt Spray Test | ISO-10289:1999 |
| 28. | | Salt Spray Test | ISO 9227:2022 |
| 29. | | Salt Spray Test | JIS Z 2371:2015 |
| 30. | | Steady-State High-Temperature/High-Humidity Test | JASO D 014-4:2014 |
| 31. | | Temperature Change Shock Test | JASO D 014-4:2014, Clause No.5.3.2 |
| 32. | | Temperature Cycling | ISO 16750- 4:2023, Clause No.5.3.2 |
| 33. | | Temperature/Humidity Combination Cycle Test | JASO D 014-4:2014 |
| 34. | | Thermal Cycling-Change of Temperature with Specified Change of Temperature | SAE J1455:2017 |
| 35. | | Thermal Shock / Rapid Change of Temperature with Prescribed Time of Transfer | ISO 16750- 4:2023, Clause No.5.3.3 |
| 36. | | Change of Temperature | IEC 60068-2-14:2023 |

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|--------------------|--|--|------------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Automotive Components | | |
| 37. | Automotive and Electromechanical Products, Assemblies and other Components | Change of Temperature | IS/IEC 60068: Part 2: Sec 14: 2023 |
| 38. | | Thermal Shock / Rapid Change of Temperature with Prescribed Time of Transfer | SAE J1455:2017 |
| 39. | | Ingress Protection Test | ISO 20653:2023 |
| 40. | | UV Resistance Test | ASTM G-154:2023 |
| 41. | | UV Resistance Test | ISO 4892-3:2024 |
| 42. | | Hygroscopic Test | IEC 60322: 2001 |
| 43. | | Shock And Vibration Tests | IEC 61373:2010 |
| 44. | | Vibration | MIL 810-H (Method 514.8):2019 |
| 45. | | Vibration | MIL 810-G (Method 514.6):2019 |
| 46. | | Vibration -Sine -Random - Shock | JIS D 1601:1995 |
| 47. | | Vibration -Sine -Random And - Shock | IEC 60068-2-6:2007 |
| 48. | | Vibration -Sine -Random And - Shock | IEC 60068-2-27:2008 |



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|--------------------|--|--|-------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Automotive Components | | |
| 49. | Automotive and Electromechanical Products, Assemblies and other Components | Vibration -Sine -Random and - Shock | IEC 60068-2-64:2008+AMD1:2019 |
| 50. | | Vibration -Sine -Random and - Shock | ISO 16750-3:2023 |
| 51. | | Vibration -Sine -Random and - Shock | JASO D 014-3:2014 |
| 52. | | Vibration -Sine -Random and - Shock | SAE J1211:2012 |
| 53. | | Vibration -Sine -Random and - Shock | SAE J1455: 2017 |
| 54. | | Reference Information Required by the Test House | CI 6- 6.6, IEC 61373:2010 |
| 55. | | Initial Measurements and Preconditioning | CI 7 IEC 61373:2010 |
| 56. | | Functional Random Vibration Test Conditions | CI 8 IEC 61373:2010 |
| 57. | | Simulated Long-Life Testing at Increased Random Vibration Levels | CI 9 IEC 61373:2010 |
| 58. | | Shock Testing Conditions | CI 10-10.7 IEC 61373:2010 |

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| Mechanical Testing | | | |
|--------------------|--|--------------------------------|--|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Automotive Components | | |
| 59. | Automotive and Electromechanical Products, Assemblies and other Components | Cold Start Test | IEC 60571(Subclause 12.2.4):2012 |
| 60. | | Damp Heat Test, Cyclic | IEC 60571(Subclause 12.2.6):2012 |
| 61. | | Dry Heat Test | IEC 60571(Subclause 12.2.5): 2012 |
| 62. | | Salt Mist Test | IEC 60571(Subclause 12.2.11):2012 |
| 63. | | Vibration, Shock and Bump Test | IEC 60571(Subclause 12.2.12):2012 |
| 64. | | Low Temperature Storage Test | IEC 60571(Subclause 12.2.15):2012 |
| 65. | | Salt Mist Test (Loss in Mass) | IEC 60068-2-52:2017 |
| 66. | | Salt Spray | ISO 16750-4:2023 |
| 67. | | Damp Heat (Cyclic)Test | IS 9000: Part 5: Sec 1 and 2: 1981 (Reaffirmed Year: 2022) |
| 68. | | Damp Heat, Cyclic | IEC 60068-2-30:2025 |
| 69. | | High Temperature Test | MIL-STD-810H:2019 |
| 70. | | Humidity | MIL-STD-810H:2019 |
| 71. | | Salt Spray (Loss in Mass) | JSS 55555: 2020 |

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| Mechanical Testing | | | |
|--------------------|--|---|----------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Automotive Components | | |
| 72. | Automotive And Electromechanical Products, Assemblies and other Components | Temperature Shock | MIL-STD-810H:2019 |
| 73. | | Vibration Test | MIL-STD-810H:2019 |
| 74. | | Salt Fog Test | MIL-STD-810H:2019 |
| 75. | | Drip Proof | Test No 11 JSS 55555:2020 |
| 76. | | Shock or Impact Test | Test No 24 JSS 55555:2020 |
| 77. | | Drop Test | Test No. 13 JSS 55555:2020 |
| 78. | | Damp Heat Test | Test No.10 JSS 55555:2020 |
| 79. | | Low Temperature Test | Test No. 20 JSS 55555:2020 |
| 80. | | Toppling Test | Test No. 26 JSS 55555:2020 |
| 81. | | Composite Temperature/ Humidity Cyclic Test | IS/IEC 60068-2-38: 2021 |
| 82. | | Vibration (Sinusoidal) | IEC 60068-2-6:2007 |



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| Mechanical Testing | | | |
|--------------------|--|---|-------------------------------|
| Sl. No. | Product(s)/Material of Test | Specific Tests Performed | Test Method |
| | Automotive Components | | |
| 83. | Automotive And Electromechanical Products, Assemblies and other Components | Vibration, Broadband Random and Guidance | IEC 60068-2-64:2008+AMD1:2019 |
| 84. | | Hammer Test | IEC 60068-2-75:2014/AMD1:2025 |
| 85. | | Resistance to Aging, to Humidity Condition, to Ingress of Solid objects and to Harmful Ingress of Water | IS 14772:2020 |



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| Mechanical Testing | | | |
|--------------------|------------------------------------|--------------------------|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Performance/Durability/Safety Test | | |
| 1. | Domestic Gas Stove | Gas Consumption | IS 4246: 2025 Cl.17 Annex D, Schedule 9 |
| 2. | Domestic Gas Stove | Thermal Efficiency | IS 4246 :2025 Cl.26 Annex F, Schedule 9 |



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| Electrical Testing | | | |
|--------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 1. | Safety of Household and Similar Electrical Appliance | General Requirement | Cl. 4 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 2. | | General Conditions for the Tests | Cl. 5 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 3. | | Classification | Cl. 6 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 4. | | Marking And Instruction | Cl. 7 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 5. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 6. | | Power Input and Current | Cl. 10 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 7. | | Heating | Cl. 11 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 8. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302-1:2024/IEC 60335-1:2020 |

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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 9. | Safety of Household and Similar Electrical Appliance | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 10. | | Transient over Voltage | Cl. 14 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 11. | | Moisture Resistance | Cl. 15 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 12. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 13. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 14. | | Endurance | Cl. 18 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 15. | | Abnormal Operation | Cl. 19 of IS 302-1:2008, A1 To A4:2015/ IS 302-1:2024 /IEC 60335-1:2020 |
| 16. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |

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|--------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 17. | Safety of Household and Similar Electrical Appliance | Mechanical Strength | Cl. 21 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 18. | | Construction | Cl. 22 f IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 19. | | Internal Wiring | Cl. 23 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 20. | | Components | Cl. 24 of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 21. | | Supply Connection and External Flexible Cords | Cl. 25 Of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 22. | | Terminal For External Conductors | Cl. 26 Of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 23. | | Provision For Earthing | Cl. 27 Of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 24. | | Screws And Connection | Cl. 28 Of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |

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|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 25. | Safety of Household and Similar Electrical Appliance | Clearances, Creepage Distance and Solid Insulation | Cl. 29 Of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 26. | | Resistance Heat and Fire | Cl. 30 Of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 27. | | Resistance To Rusting | Cl. 31 Of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 28. | | Routine Tests | Annex A of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 29. | | Battery-Operated Appliances, Separable Batteries and Detachable Batteries for Battery-Operated Appliances | Annex B of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 30. | | Ageing Test on Motors | Annex C of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 31. | | Thermal Motor Protectors | Annex D of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |

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| Electrical Testing | | | |
|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 32. | Safety of Household and Similar Electrical Appliance | Needle-Flame Test | Annex E of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 33. | | Capacitors | Annex F of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 34. | | Safety Isolating Transformers | Annex G of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 35. | | Switches | Annex H of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 36. | | Motors Having Basic Insulation That Is Inadequate for the Rated Voltage of the Appliance | Annex I of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 37. | | Coated Printed Circuit Boards | Annex J of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 38. | | Overvoltage Categories | Annex K of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 39. | | Guidance for the Measurement of Clearances and Creepage Distances | Annex L of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |

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|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 40. | Safety of Household and Similar Electrical Appliance | Pollution Degree | Annex M of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 41. | | Proof Tracking Test | Annex N of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 42. | | Selection And Sequence of the Tests of Clause 30 | Annex O of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 43. | | Guidance for the Application of this Standard to Appliances used in Tropical Climates | Annex P of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 44. | | Sequence of Tests for the Evaluation of Electronic Circuits | Annex Q of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 45. | | Software Evaluation | Annex R of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 46. | | Guidance for the Application of this Standard on Measurement of Power Input and Current Based on the Requirements of 10.1 And 10.2 Concerning the Representative Period | Annex S of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 47. | Safety of Household and Similar Electrical Appliance | UV-C Radiation Effect on Non-Metallic Materials | Annex T of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 48. | | Appliances Intended for Remote Communication Through Public Networks | Annex U of IS 302-1:2008, A1 To A4:2015/IS 302-1:2024/IEC 60335-1:2020 |
| 49. | Safety of Electric Iron | General Requirement | Cl. 4 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 50. | | General Conditions for the Tests | Cl. 5 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 51. | | Classification | Cl. 6 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 52. | | Marking and Instruction | Cl. 7 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 53. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 54. | | Power Input and Current | Cl. 10 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 55. | | Heating | Cl. 11 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 56. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 57. | Safety of Electric Iron | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 58. | | Transient over Voltage | Cl. 14 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 59. | | Moisture Resistance | Cl. 15 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 60. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 61. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 62. | | Abnormal Operation | Cl. 19 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 63. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 64. | | Mechanical Strength | Cl. 21 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 65. | | Construction | Cl. 22 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 66. | | Internal Wiring | Cl. 23 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 67. | Components | Cl. 24 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 | |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 68. | Safety of Electric Iron | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 69. | | Terminal for External Conductors | Cl. 26 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 70. | | Provision for Earthing | Cl. 27 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 71. | | Screws and Connection | Cl. 28 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 72. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 73. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 74. | | Resistance To Rusting | Cl. 31 of IS 302-2-3: 2024/ IEC 60335-2-3:2022 |
| 75. | Electric Iron | General Requirements | Cl. 4 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 76. | | General Notes on Tests | Cl. 5 of IS 366:1991, A1+A2+ A3+A4+ A5+A6: 2011 |
| 77. | | Rating | Cl. 6 of IS 366:1991, A1+A2+A3+ A4+A5+A6: 2011 |
| 78. | | Classification | Cl. 7 of IS 366:1991, A1+A2+A3+ A4+A5+A6: 2011 |
| 79. | | Marking | Cl. 8 of IS 366:1991, A1+A2+A3+ A4+A5+A6: 2011 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|---------------------------------------|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 80. | Electric Iron | Safety Requirements | Cl. 9 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 81. | | Measurement of Heating-Up Time | Cl. 10 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 82. | | Measurement of Sole Plate Temperature | Cl. 11 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 83. | | Measurement of Temperature Distribution | Cl. 12 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 84. | | Measurement of Initial Over Swing Temperature and Heating-Up Excess Temperature | Cl. 13 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 85. | | Measurement of Cyclic Fluctuation of Temperature | Cl. 14 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 86. | | Measurement of Temperature Drop Under Load | Cl. 15 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 87. | | Measurement of Thermostatic Stability | Cl. 16 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |
| 88. | | Finish | Cl. 17 of IS 366:1991, A1+A2+A3+A4+A5+A6: 2011 |

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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 89. | Safety of Cooking Ranges, Hobs, Ovens and Similar Appliances | General Requirement | Cl. 4 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 90. | | General Conditions for the Test | Cl. 5 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 91. | | Classification | Cl. 6 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 92. | | Marking And Instruction | Cl. 7 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 93. | | Protection against Access to Live Parts | Cl. 8 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 94. | | Power Input and Current | Cl. 10 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 95. | | Heating | Cl. 11 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 96. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 97. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 98. | | Transient Over Voltage | Cl. 14 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 99. | Moisture Resistance | Cl. 15 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 | |

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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 100. | Safety of Cooking Ranges, Hobs, Ovens and Similar Appliances | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 101. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 102. | | Abnormal Operation | Cl. 19 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 103. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 104. | | Mechanical Strength | Cl. 21 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 105. | | Construction | Cl. 22 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 106. | | Internal Wiring | Cl. 23 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 107. | | Components | Cl. 24 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 108. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 109. | | Terminal For External Conductors | Cl. 26 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 110. | Provision for Earthing | Cl. 27 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 | |

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| Electrical Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 111. | Safety of Cooking Ranges, Hobs, Ovens and Similar Appliances | Screws and Connection | Cl. 28 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 112. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 113. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 114. | | Resistance to Rusting | Cl. 31 of IS 302-2-6: 2009/ IEC 60335-2-6: 2024 |
| 115. | Safety of Electric Shavers, Hair Clipper and Similar Appliances | General Requirement | Cl. 4 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 116. | | General Condition for the Tests | Cl. 5 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 117. | | Classification | Cl. 6 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 118. | | Marking and Instruction | Cl. 7 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 119. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 120. | | Power Input and Current | Cl. 10 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 121. | | Heating | Cl. 11 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 122. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |

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| Electrical Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 123. | Safety of Electric Shavers, Hair Clipper and Similar Appliances | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 124. | | Transient Over Voltage | Cl. 14 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 125. | | Moisture Resistance | Cl. 15 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 126. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 127. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 128. | | Abnormal Operation | Cl. 19 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 129. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 130. | | Mechanical Strength | Cl. 21 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 131. | | Construction | Cl. 22 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 132. | | Internal Wiring | Cl. 23 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 133. | | Components | Cl. 24 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |

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| Electrical Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 134. | Safety of Electric Shavers, Hair Clipper and Similar Appliances | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 135. | | Terminal For External Conductors | Cl. 26 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 136. | | Provision For Earthing | Cl. 27 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 137. | | Screws And Connection | Cl. 28 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 138. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 139. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 140. | | Resistance To Rusting | Cl. 31 of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 141. | | Battery-Operated Appliances, Separable Batteries and Detachable Batteries For Battery-Operated Appliances | Annex B of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 142. | | Ageing Test on Motors | Annex C of IS 302-2-8: 2024/ IEC 60335-2-8: 2022 |
| 143. | | Safety of Toasters, Grills, Roasters and Similar Appliances | General Requirement |

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| Electrical Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 144. | Safety of Toasters, Grills, Roasters and Similar Appliances | General Condition for the Tests | Cl. 5 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 145. | | Classification | Cl. 6 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 146. | | Marking And Instruction | Cl. 7 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 147. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 148. | | Power Input and Current | Cl. 10 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 149. | | Heating | Cl. 11 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 150. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 151. | | Transient Over Voltage | Cl. 14 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 152. | | Moisture Resistance | Cl. 15 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 153. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |

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|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 154. | Safety of Toasters, Grills, Roasters and Similar Appliances | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 155. | | Abnormal Operation | Cl. 19 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 156. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 157. | | Mechanical Strength | Cl. 21 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 158. | | Construction | Cl. 22 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 159. | | Internal Wiring | Cl. 23 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 160. | | Components | Cl. 24 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 161. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 162. | | Terminal For External Conductors | Cl. 26 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 163. | | Provision For Earthing | Cl. 27 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 164. | | Screws and Connection | Cl. 28 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |

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| Electrical Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 165. | Safety of Toasters, Grills, Roasters and Similar Appliances | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 166. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 167. | | Resistance To Rusting | Cl. 31 of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 168. | | Ageing Test on Motors | Annex C of IS 302-2-9: 2009/ IEC 60335-2-9: 2019 |
| 169. | Safety of Frying Pans, Fryers and Similar Appliances | General Requirement | Cl. 4 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 170. | | General Condition for the Tests | Cl. 5 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 171. | | Classification | Cl. 6 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 172. | | Marking and Instruction | Cl. 7 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 173. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 174. | | Power Input and Current | Cl. 10 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 175. | | Heating | Cl. 11 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |



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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 176. | Safety of Frying Pans, Fryers and Similar Appliances | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 177. | | Transient Over Voltage | Cl. 14 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 178. | | Moisture Resistance | Cl. 15 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 179. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 180. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 181. | | Abnormal Operation | Cl. 19 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 182. | | Stability and Mechanical Hazards | Cl. 20 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 183. | | Mechanical Strength | Cl.21 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 184. | | Construction | Cl. 22 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 185. | | Internal Wiring | Cl. 23 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 186. | Components | Cl. 24 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 | |

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|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 187. | Safety of Frying Pans, Fryers and Similar Appliances | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 188. | | Terminal for External Conductors | Cl. 26 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 189. | | Provision For Earthing | Cl. 27 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 190. | | Screws And Connection | Cl. 28 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 191. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 192. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 193. | | Resistance To Rusting | Cl. 31 of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 194. | | Battery-Operated Appliances, Separable Batteries and Detachable Batteries For Battery-Operated Appliances | Annex B of IS 302-2-13: 2024/ IEC 60335-2-13: 2021 |
| 195. | Electric Kitchen Machines | General Requirements | Cl. 4 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 196. | | General Conditions for the Tests | Cl. 5 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |

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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 197. | Electric Kitchen Machines | Classification | Cl. 6 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 198. | | Marking And Instruction | Cl. 7 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 199. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 200. | | Power Input and Current | Cl. 10 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 201. | | Heating | Cl. 11 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 202. | | Heating | Cl. 11 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 203. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 204. | | Transient Over Voltage | Cl. 14 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 205. | | Moisture Resistance | Cl. 15 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 206. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 207. | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 | |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 208. | Electric Kitchen Machines | Abnormal Operation | Cl. 19 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 209. | | Stability and Mechanical Hazards | Cl. 20 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 210. | | Mechanical Strength | Cl. 21 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 211. | | Construction | Cl. 22 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 212. | | Internal Wiring | Cl. 23 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 213. | | Components | Cl. 24 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 214. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 215. | | Terminal for External Conductors | Cl. 26 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 216. | | Provision For Earthing | Cl. 27 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 217. | | Screws And Connection | Cl. 28 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 218. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 219. | Resistance Heat and Fire | Cl. 30 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 | |

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|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 220. | Electric Kitchen Machines | Resistance To Rusting | Cl. 31 of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 221. | | Ageing Test on Motors | Annex C of IS 302-2-14: 2009/ IEC 60335-2-14: 2025 |
| 222. | Heating Liquids | General Requirements | Cl. 4 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 223. | | General Conditions for the Tests | Cl. 5 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 224. | | Classification | Cl. 6 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 225. | | Marking And Instruction | Cl. 7 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 226. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 227. | | Power Input and Current | Cl. 10 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 228. | | Heating | Cl. 11 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 229. | | Charging of Metal-Ion Batteries | Cl. 12 of IEC 60335-2-15: 2024 |
| 230. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 231. | | Transient Over Voltage | Cl. 14 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 232. | Heating Liquids | Moisture Resistance | Cl. 15 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 233. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 234. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 235. | | Abnormal Operation | Cl. 19 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 236. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 237. | | Mechanical Strength | Cl. 21 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 238. | | Construction | Cl. 22 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 239. | | Internal Wiring | Cl. 23 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 240. | | Components | Cl. 24 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 241. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 242. | | Terminal For External Conductors | Cl. 26 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 243. | | Provision For Earthing | Cl. 27 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 244. | | Screws and Connection | Cl. 28 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 245. | Heating Liquids | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 246. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 247. | | Resistance to Rusting | Cl. 31 of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 248. | | Ageing Test on Motors | Annex C of IS 302-2-15: 2009/ IEC 60335-2-15: 2024 |
| 249. | Storage Water Heaters | General Requirement | Cl. 4 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 250. | | General Conditions for the Tests | Cl. 5 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 251. | | Classification | Cl. 6 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 252. | | Marking and Instruction | Cl. 7 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |



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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 253. | | Protection against access to Live Parts | Cl. 8 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 254. | | Power Input and Current | Cl. 10 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 255. | Storage Water Heaters | Heating | Cl. 11 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 256. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 257. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 258. | | Transient Over Voltage | Cl. 14 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 259. | | Moisture Resistance | Cl. 15 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 260. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 261. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 262. | | Abnormal Operation | Cl. 19 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 263. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 264. | | Mechanical Strength | Cl. 21 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 265. | | Construction | Cl. 22 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 266. | | Internal Wiring | Cl. 23 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 267. | | Components | Cl. 24 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 268. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 269. | Storage Water Heaters | Terminal For External Conductors | Cl. 26 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 270. | | Provision For Earthing | Cl. 27 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 271. | | Screws And Connection | Cl. 28 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 272. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 273. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |



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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 274. | | Resistance To Rusting | Cl. 31 of IS 302-2-21: 2024/ IEC 60335-2-21: 2022 |
| 275. | | General Requirement | Cl. 4 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 276. | | General Conditions for the Tests | Cl. 5 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 277. | | Classification | Cl. 6 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 278. | | Marking and Instruction | Cl. 7 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 279. | | Protection against Access to Live Parts | Cl. 8 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 280. | | Power Input and Current | Cl. 10 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 281. | Storage Water Heaters | Heating | Cl. 11 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 282. | | Charging of Metal-Ion Batteries | Cl. 4 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 283. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 284. | | Transient Over Voltage | Cl. 14 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |



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|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 285. | | Moisture Resistance | Cl. 15 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 286. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 287. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 288. | Storage Water Heaters | Abnormal Operation | Cl. 19 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 289. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 290. | | Mechanical Strength | Cl. 21 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 291. | | Construction | Cl. 22 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 292. | | Internal Wiring | Cl. 23 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 293. | | Components | Cl. 24 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 294. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 295. | | Terminal for External Conductors | Cl. 26 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |

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|--------------------|---------------------------------------|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 296. | | Provision For Earthing | Cl. 27 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 297. | | Screws And Connection | Cl. 28 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 298. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 299. | Storage Water Heaters | Resistance Heat and Fire | Cl. 30 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 300. | | Resistance To Rusting | Cl. 31 of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 301. | | Routine Tests | Annex A of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 302. | | Software Evaluation | Annex R of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 303. | | Additional Requirement for Immersion Heater Units Intended for the Installation in Heat Exchange Closed Water Heaters | Annex AA of IS 302-2-21: 2018+A1/ IEC 60335-2-21: 2012 |
| 304. | Electric Water Heater | General Requirement | Cl. 4 of IS 2082: 2018+A1 |
| 305. | | General Conditions for the Tests | Cl. 5 of IS 2082: 2018+A1 |
| 306. | | Classification | Cl. 6 of IS 2082: 2018+A1 |

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Valid until: 02 February 2028

Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|---|--|----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 307. | Electric Water Heater | Marking And Instruction | Cl. 7 of IS 2082: 2018+A1 |
| 308. | | Safety Requirements | Cl. 8 of IS 2082: 2018+A1 |
| 309. | | General Conditions for Measurements | Cl. 9 of IS 2082: 2018+A1 |
| 310. | | Mounting of the Water Heater | Cl. 10 of IS 2082: 2018+A1 |
| 311. | | Measurements of Stored Water Temperature | Cl. 11 of IS 2082: 2018+A1 |
| 312. | | Thermostat Setting | Cl. 12 of IS 2082: 2018+A1 |
| 313. | | Measurements of Energy Consumption | Cl. 13 of IS 2082: 2018+A1 |
| 314. | | Verification of the Rated Capacity | Cl. 14 of IS 2082: 2018+A1 |
| 315. | | Standing Loss Per 24 Hours | Cl. 15 of IS 2082: 2018+A1 |
| 316. | | Hot Water Output | Cl. 16 of IS 2082: 2018+A1 |
| 317. | | Reheating Time | Cl. 17 of IS 2082: 2018+A1 |
| 318. | | Mixing Factor | Cl. 18 of IS 2082: 2018+A1 |
| 319. | | Deviation From Dial Calibration | Cl. 19 of IS 2082: 2018+A1 |
| 320. | Cyclic Temperature Variation (Differential) | Cl. 20 of IS 2082: 2018+A1 | |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 321. | | Finish | Cl. 21 of IS 2082: 2018+A1 |
| 322. | | General Requirement | Cl. 4 of IS 302-2-23: 2009+A1/ IEC 60335-2-23: 2019 |
| 323. | Skin and Hair Care | General Conditions for the Tests | Cl. 5 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 324. | | Classification | Cl. 6 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 325. | Skin and Hair Care | Marking And Instruction | Cl. 7 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 326. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 327. | | Power Input and Current | Cl. 10 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 328. | | Heating | Cl. 11 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 329. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 330. | | Transient Over Voltage | Cl. 14 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 331. | | Moisture Resistance | Cl. 15 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |



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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 332. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 333. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 334. | | Abnormal Operation | Cl. 19 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 335. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 336. | | Mechanical Strength | Cl. 21 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 337. | | Construction | Cl. 22 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 338. | | Internal Wiring | Cl. 23 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 339. | Skin and Hair Care | Components | Cl. 24 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 340. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 341. | | Terminal for External Conductors | Cl. 26 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 342. | | Provision for Earthing | Cl. 27 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 343. | | Screws and Connection | Cl. 28 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 344. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 345. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 346. | | Resistance To Rusting | Cl. 31 of IS 302-2-23: 2009/ IEC 60335-2-23: 2019 |
| 347. | Room Heater | General Requirement | Cl. 4 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 348. | | General Conditions for the Tests | Cl. 5 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 349. | | Classification | Cl. 6 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 350. | | Marking and Instruction | Cl. 7 of IS 302-2-30:2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 351. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 352. | | Power Input and Current | Cl. 10 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 353. | | Heating | Cl. 11 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 354. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS S 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 355. | | Transient Over Voltage | Cl. 14 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 356. | | Moisture Resistance | Cl. 15 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 357. | Room Heater | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 358. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 359. | | Abnormal Operation | Cl. 19 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 360. | Room Heater | Stability and Mechanical Hazards | Cl. 20 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 361. | | Mechanical Strength | Cl. 21 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 362. | | Construction | Cl. 22 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 363. | | Internal Wiring | Cl. 23 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 364. | | Components | Cl. 24 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 365. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 366. | | Terminal for External Conductors | Cl. 26 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 367. | Provision for Earthing | Cl. 27 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 | |

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| Electrical Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 368. | | Screws and Connection | Cl. 28 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 369. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 370. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 371. | Room Heater | Resistance to Rusting | Cl. 31 of IS 302-2-30: 2007+A1+A2+A3/ IEC 60335-2-30: 2021 |
| 372. | | General Requirement | Cl. 4 of IS 302-2-31:2009/ IEC 60335- 2-31:2024 |
| 373. | | General Conditions for the Tests | Cl. 5 of IS 302-2-31:2009/ IEC 60335- 2-31:2024 |
| 374. | | Classification | Cl. 6 of IS 302-2-31:2009/ IEC 60335- 2-31:2024 |
| 375. | Range Hoods and other Cooking Fume Extractors | Marking And Instruction | Cl. 7 of IS 302-2-31:2009/ IEC 60335- 2-31:2024 |
| 376. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-31:2009/ IEC 60335- 2-31:2024 |
| 377. | | Power Input and Current | Cl. 10 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 378. | | Heating | Cl. 11 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 379. | | Heating | Cl. 11 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 380. | | Charging of Metal-Ion Batteries | Cl. 12 of IEC 60335-2-31: 2024 |
| 381. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 382. | Range Hoods and other Cooking Fume Extractors | Transient Over Voltage | Cl. 14 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 383. | | Moisture Resistance | Cl. 15 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 384. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 385. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 386. | | Abnormal Operation | Cl. 19 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 387. | | Stability and Mechanical Hazards | Cl. 20 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |

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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 388. | Range Hoods and other Cooking Fume Extractors | Mechanical Strength | Cl. 21 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 389. | | Construction | Cl. 22 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 390. | | Internal Wiring | Cl. 23 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 391. | | Components | Cl. 24 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 392. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 393. | | Terminal For External Conductors | Cl. 26 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 394. | | Provision For Earthing | Cl. 27 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 395. | | Screws And Connection | Cl. 28 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 396. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 397. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-31:2009/ IEC 60335-2-31:2024 |
| 398. | Resistance To Rusting | Cl. 31 of IS 302-2-31:2009/ IEC 60335-2-31:2024 | |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 399. | Massage Appliances | General Requirement | Cl. 4 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 400. | | General Conditions for the Tests | Cl. 5 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 401. | | Classification | Cl. 6 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 402. | | Marking and Instruction | Cl. 7 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 403. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 404. | Massage Appliances | Power Input and Current | Cl. 10 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 405. | | Temperature Rise/Heating | Cl. 11 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 406. | | Operation Under Overload Condition of Appliance with Heating Elements | Cl. 12 of IS 302-2-32:1994 |
| 407. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 60335-2-32: 2024 |
| 408. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 409. | | Transient Over Voltage | Cl. 14 of IEC 60335-2-32:2024 |

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|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 410. | | Moisture Resistance | Cl. 15 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 411. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 412. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 413. | | Abnormal Operation | Cl. 19 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 414. | | Stability and Mechanical Hazards | Cl. 20 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 415. | | Mechanical Strength | Cl. 21 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 416. | | Construction | Cl. 22 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 417. | | Internal Wiring | Cl. 23 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 418. | | Components | Cl. 24 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 419. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 420. | Terminal for External Conductors | Cl. 26 of IS 302-2-32:1994/ IEC 60335-2-32:2024 | |

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|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 421. | | Provision for Earthing | Cl. 27 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 422. | | Screws and Connection | Cl. 28 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 423. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 424. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 425. | | Resistance to Rusting | Cl. 31 of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 426. | | Sampling Procedure for Acceptance 'Tests | ANNEX B of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 427. | | Massage Appliances | Electronic Circuits |
| 428. | Measurement of Temperature with Thermometer | | Annex D of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 429. | Alternative Tests for Protectisi) Motor Units | | Annex E of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 430. | Impact Test Apparatus | | Annex F of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 431. | Thermal Control and Overload Release | | Annex G of IS 302-2-32:1994/ IEC 60335-2-32:2024 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 432. | | Measurement Of Creepage Distance and Clearance | ANNEX H of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 433. | | Test For Fire Resisting Properties | ANNEX J of IS 302-2-32:1994/ IEC 60335-2-32:2024 |
| 434. | Instantaneous Water Heater | General Requirement | Cl. 4 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 435. | | General Conditions for the Tests | Cl. 5 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 436. | | Classification | Cl. 6 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 437. | | Marking And Instruction | Cl. 7 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 438. | | | Protection against Access to Live Parts |
| 439. | | Power Input and Current | Cl. 10 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 440. | Instantaneous Water Heater | Heating | Cl. 11 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 441. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 442. | | Transient Over Voltage | Cl. 14 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |

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| Electrical Testing | | | | |
|--------------------|---------------------------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Domestic Electrical Appliances | | | |
| 443. | | Moisture Resistance | Cl. 15 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 444. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 445. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 446. | | Abnormal Operation | Cl. 19 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 447. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 448. | | Mechanical Strength | Cl. 21 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 449. | | Construction | Cl. 22 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 450. | | Internal Wiring | Cl. 23 of IS 302-2-35:2017/ IEC 60335-2-35:2020 | |
| 451. | | Instantaneous Water Heater | Components | Cl. 24 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 452. | | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 453. | Terminal For External Conductors | | Cl. 26 of IS S 302-2-35:2017/ IEC 60335-2-35:2020 | |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 454. | | Provision For Earthing | Cl. 27 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 455. | | Screws And Connection | Cl. 28 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 456. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 457. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 458. | | Resistance To Rusting | Cl. 31 of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 459. | | Routine Tests | Annex A of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 460. | Instantaneous Water Heater | Software Evaluation | Annex R of IS 302-2-35:2017/ IEC 60335-2-35:2020 |
| 461. | Portable Immersion Heaters | General Requirement | Cl. 4 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 462. | | General Conditions for the Tests | Cl. 5 Of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 463. | | Classification | Cl. 6 Of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 464. | | Marking and Instruction | Cl. 7 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 465. | | Protection against Access to Live Parts | Cl. 8 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 466. | | Power Input and Current | Cl. 10 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 467. | | Heating | Cl. 11 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 468. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 469. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 470. | | Transient Over Voltage | Cl. 14 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 471. | | Moisture Resistance | Cl. 15 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 472. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 473. | Portable Immersion Heaters | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 474. | | Abnormal Operation | Cl. 19 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 475. | | Stability and Mechanical Hazards | Cl. 20 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |

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| Electrical Testing | | | | |
|--------------------|---------------------------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Domestic Electrical Appliances | | | |
| 476. | | Mechanical Strength | Cl. 21 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 477. | | Construction | Cl. 22 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 478. | | Internal Wiring | Cl. 23 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 479. | | Components | Cl. 24 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 480. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 481. | | Terminal For External Conductors | Cl. 26 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 482. | | Provision For Earthing | Cl. 27 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 483. | | Screws And Connection | Cl. 28 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |
| 484. | | Portable Immersion Heaters | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 485. | | | Resistance Heat and Fire | Cl. 30 of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 486. | Resistance To Rusting | | Cl. 31 of IS 302-2-74:2024/ IEC 60335-2-74:2024 | |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 487. | | Battery-Operated Appliances, Separable Batteries and Detachable Batteries For Battery-Operated Appliances | Annex B of IS 302-2-74:2024/ IEC 60335-2-74:2024 |
| 488. | Electric Immersion Water Heater | General Requirement | Cl. 4 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 489. | | General Conditions for the Tests | Cl. 5 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 490. | | Classification | Cl. 6 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 491. | | Marking And Instruction | Cl. 7 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 492. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 493. | | Power Input and Current | Cl. 10 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 494. | | Heating | Cl. 11 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 495. | Electric Immersion Water Heater | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 496. | | Transient Over Voltage | Cl. 14 of IS 302-2-201:2008+A1/IS 368 :2014 |

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| Electrical Testing | | | | |
|--------------------|---|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Domestic Electrical Appliances | | | |
| 497. | | Moisture Resistance | Cl. 15 of IS 302-2-201:2008+A1/IS 368 :2014 | |
| 498. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-201:2008+A1/IS 368 :2014 | |
| 499. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-201:2008+A1/IS 368 :2014 | |
| 500. | | Endurance | Cl 18 of IS 368 :2014 | |
| 501. | | Abnormal Operation | Cl. 19 of IS 302-2-201:2008+A1/IS 368 :2014 | |
| 502. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-201:2008+A1/ IS 368 :2014 | |
| 503. | | Electric Immersion Water Heater | Mechanical Strength | Cl. 21 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 504. | | | Construction | Cl. 22 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 505. | | | Internal Wiring | Cl. 23 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 506. | | | Components | Cl. 24 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 507. | Supply Connection and External Flexible Cords | | Cl. 25 of IS 302-2-201:2008+A1/IS 368 :2014 | |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 508. | | Terminal For External Conductors | Cl. 26 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 509. | | Provision For Earthing | Cl. 27 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 510. | | Screws And Connection | Cl. 28 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 511. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 512. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 513. | | Resistance To Rusting | Cl. 31 of IS 302-2-201:2008+A1/IS 368 :2014 |
| 514. | | Electric Stove | General Notes on Tests |
| 515. | Electric Stove | Rating | Cl. 5 of IS 302-2-202:1992+A1+A2 |
| 516. | | Classification | Cl. 6 of IS 302-2-202:1992+A1+A2 |
| 517. | | Marking and Instruction | Cl. 7 of IS 302-2-202:1992+A1+A2 |
| 518. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-202:1992+A1+A2 |
| 519. | | Power Input and Current | Cl. 10 of IS 302-2-202:1992+A1+A2 |
| 520. | | Temperature Rise | Cl. 11 of IS 302-2-202:1992+A1+A2 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|---|-----------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 521. | Electric Stove | Operation Under Overload Condition of Appliance with Heating Elements | Cl. 12 of IS 302-2-202:1992+A1+A2 |
| 522. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-202:1992+A1+A2 |
| 523. | | Moisture Resistance | Cl. 15 of IS 302-2-202:1992+A1+A2 |
| 524. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-202:1992+A1+A2 |
| 525. | | Abnormal Operation | Cl. 19 of IS 302-2-202:1992+A1+A2 |
| 526. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-202:1992+A1+A2 |
| 527. | | Mechanical Strength | Cl. 21 of IS 302-2-202:1992+A1+A2 |
| 528. | | Construction | Cl. 22 of IS 302-2-202:1992+A1+A2 |
| 529. | | Internal Wiring | Cl. 23 of IS 302-2-202:1992+A1+A2 |
| 530. | | Components | Cl. 24 of IS 302-2-202:1992+A1+A2 |
| 531. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-202:1992+A1+A2 |
| 532. | | Terminal For External Conductors | Cl. 26 of IS 302-2-202:1992+A1+A2 |

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| Electrical Testing | | | |
|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 533. | | Provision For Earthing | Cl. 27 of IS 302-2-202:1992+A1+A2 |
| 534. | | Screws And Connection | Cl. 28 of IS 302-2-202:1992+A1+A2 |
| 535. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-202:1992+A1+A2 |
| 536. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-202:1992+A1+A2 |
| 537. | | Resistance To Rusting | Cl. 31 of IS 302-2-202:1992+A1+A2 |
| 538. | | Sampling Procedure for Acceptance Tests | Annex B of IS 302-2 201:2008+A1+A2 |
| 539. | | Electronic Circuits | Annex C of IS 302-2-201:2008+A1+A2 |
| 540. | | Measurement of Temperature with Thermometer | Annex D of IS 302-2-201:2008+A1+A2 |
| 541. | | Impact Test Apparatus | Annex F of IS 302-2-201:2008+A1+A2 |
| 542. | | Electric Stove | Thermal Controls and Overload Releases |
| 543. | Measurement of Creepage Distances and Clearances | | Annex H of IS 302-2-201:2008+A1+A2 |
| 544. | Test For Fire-Resisting Properties | | Annex J of IS 302-2-201:2008+A1+A2 |

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| Electrical Testing | | | |
|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 545. | Electric Call Bells and Buzzers for Indoor Use | General Requirements | Cl. 3 of IS 302-2-203: 1994+A1 |
| 546. | | General Notes on Tests | Cl. 4 Of IS 302-2-203: 1994+A1 |
| 547. | | Rating | Cl. 5 of IS 302-2-203: 1994+A1 |
| 548. | | Classification | Cl. 6 of IS 302-2-203: 1994+A1 |
| 549. | | Marking | Cl. 7 of IS 302-2-203: 1994+A1 |
| 550. | | Protection against Electric Shock | Cl. 8 of IS 302-2-203: 1994+A1 |
| 551. | | Input and Current | Cl. 10 of IS 302-2-203: 1994+A1 |
| 552. | | Temperature Rise | Cl. 11 of IS 302-2-203: 1994+A1 |
| 553. | | Temperature Rise | Cl. 11 of IS 302-2-203: 1994+A1 |
| 554. | | Electric Call Bells and Buzzers for Indoor Use | Electrical Insulation And Leakage Current at Operating Temperature |
| 555. | Radio and Television Interference Suppressions | | Cl. 14 of IS 302-2-203: 1994+A1 |
| 556. | Moisture Resistance | | Cl. 15 Of IS 302-2-203: 1994+A1 |

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| Electrical Testing | | | | |
|--------------------|---------------------------------------|--|-----------------------------------|---------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Domestic Electrical Appliances | | | |
| 557. | | Insulation Resistance and Electric Strength (After Humidity Treatment) | Cl. 16 of IS 302-2-203: 1994+A1 | |
| 558. | | Abnormal Operation | Cl. 19 of IS 302-2-203: 1994+A1 | |
| 559. | | Stability and Mechanical Hazards | Cl. 20 of IS 302-2-203: 1994+A1 | |
| 560. | | Mechanical Strength | Cl. 21 of IS 302-2-203: 1994+A1 | |
| 561. | | Construction | Cl. 22 of IS 302-2-203: 1994+A1 | |
| 562. | | Internal Wiring | Cl. 23 of IS 302-2-203: 1994+A1 | |
| 563. | | Components | Cl. 24 of IS 302-2-203: 1994+A1 | |
| 564. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-203: 1994+A1 | |
| 565. | | Electric Call Bells and Buzzers for Indoor Use | Terminal for External Conductors | Cl. 26 of IS 302-2-203: 1994+A1 |
| 566. | | | Provision for Earthing | Cl. 27 of IS 302-2-203: 1994+A1 |
| 567. | | | Screws and Connection | Cl. 28 of IS 302-2-203: 1994+A1 |
| 568. | | | Creepage Distances and Clearances | Cl. 29 of IS 302-2-203: 1994+A1 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|----------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 569. | | Resistance to Heat, Fire and Tracking | Cl. 30 of IS 302-2-203: 1994+A1 |
| 570. | | Resistance to Rusting | Cl. 31 of IS 302-2-203: 1994+A1 |
| 571. | | Sampling Procedure for Acceptance Tests | Annex B of IS 302-2-203: 1994+A1 |
| 572. | | Electronic Circuits | Annex C of IS 302-2-203: 1994+A1 |
| 573. | | Measurement of Temperature with Thermometer | Annex D of IS 302-2-203: 1994+A1 |
| 574. | | Alternate Test for Protected Motor Units | Annex E of IS 302-2-203: 1994+A1 |
| 575. | | Impact Test Apparatus | Annex F of IS 302-2-203: 1994+A1 |
| 576. | | Measurement Of Creepage Distances and Clearances | Annex H of IS 302-2-203: 1994+A1 |
| 577. | | Test For Fire-Resisting Properties | Annex J of IS 302-2-203: 1994+A1 |
| 578. | | Electric Coffee Maker | General Requirement |
| 579. | General Notes on Test | | Cl. 4 of IS 302-2-206:1994+A1 |
| 580. | Rating | | Cl. 5 of IS 302-2-206:1994+A1 |
| 581. | Classification | | Cl. 6 of IS 302-2-206:1994+A1 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|---|---------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 582. | | Marking | Cl. 7 of IS 302-2-206:1994+A1 |
| 583. | | Protection Against Electric Shock | Cl. 8 of IS 302-2-206:1994+A1 |
| 584. | | Starting of Motor Operated Appliances | Cl. 9 of IS 302-2-206:1994+A1 |
| 585. | | Input | Cl. 10 of IS 302-2-206:1994+A1 |
| 586. | | Temperature Rise | Cl. 11 of IS 302-2-206:1994+A1 |
| 587. | | Operation under overload Conditions of Appliances With Heating Elements | Cl. 12 of IS 302-2-206:1994+A1 |
| 588. | | Electrical Insulation and Leakage Current at Operating Temperature | Cl. 13 of IS 302-2-206:1994+A1 |
| 589. | | Radio and Television Interference Suppressions | Cl. 14 of IS 302-2-203: 1994+A1 |
| 590. | | Moisture Resistance | Cl. 15 of IS 302-2-206:1994+A1 |
| 591. | Electric Coffee Maker | Insulation Resistance And Electric Strength (After Humidity Treatment) | Cl. 16 of IS 302-2-206:1994+A1 |
| 592. | | Overload Protection | Cl. 17 of IS 302-2-206:1994+A1 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 593. | | Endurance | Cl. 18 of IS 302-2-206:1994+A1 |
| 594. | | Abnormal Operation | Cl. 19 of IS 302-2-206:1994+A1 |
| 595. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-206:1994+A1 |
| 596. | | Mechanical Strength | Cl. 21 of IS 302-2-206:1994+A1 |
| 597. | | Construction | Cl. 22 of IS 302-2-206:1994+A1 |
| 598. | | Internal Wiring | Cl. 23 of IS 302-2-206:1994+A1 |
| 599. | | Components | Cl. 24 of IS 302-2-206:1994+A1 |
| 600. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-206:1994+A1 |
| 601. | | Terminal for External Conductors | Cl. 26 of IS 302-2-206:1994+A1 |
| 602. | | Provision for Earthing | Cl. 27 of IS 302-2-206:1994+A1 |
| 603. | | Screws and Connection | Cl. 28 of IS 302-2-206:1994+A1 |
| 604. | Electric Coffee Maker | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-206:1994+A1 |
| 605. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-206:1994+A1 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 606. | | Resistance to Rusting | Cl. 31 of IS 302-2-206:1994+A1 |
| 607. | | Sampling Procedure for Acceptance Tests | Annex B of IS 302-2-206:1994+A1 |
| 608. | | Electronic Circuits | Annex C of IS 302-2-206:1994+A1 |
| 609. | | Measurement of Temperature with Thermometer | Annex D of IS 302-2-206:1994+A1 |
| 610. | | Alternate Test for Protected Motor Units | Annex E of IS 302-2-206:1994+A1 |
| 611. | | Impact Test Apparatus | Annex F of IS 302-2-206:1994+A1 |
| 612. | | Thermal Controls and Overload Releases | Annex G of IS 302-2-206:1994+A1 |
| 613. | | Measurement of Creepage Distances and Clearances | Annex H of IS 302-2-206:1994+A1 |
| 614. | | Test For Fire-Resisting Properties | Annex J of IS 302-2-206:1994+A1 |
| 615. | Low Speed Food Grinding Machines | Rating | Cl. 5 of IS 302-2-209:1994+A1+A2+A3 |
| 616. | Low Speed Food Grinding Machines | Classification | Cl. 6 of IS 302-2-209:1994+A1+A2+A3 |
| 617. | | Marking and Instruction | Cl. 7 of IS 302-2-209:1994+A1+A2+A3 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|---|--------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 618. | | Protection against access to Live Parts | Cl. 8 of IS 302-2-209:1994+A1+A2+A3 |
| 619. | | Starting of Moter-Operated Appliance | Cl. 9 of IS 302-2-209:1994+A1+A2+A3 |
| 620. | | Power Input and Current | Cl. 10 of IS 302-2-209:1994+A1+A2+A3 |
| 621. | | Temperature Rise | Cl. 11 of IS 302-2-209:1994+A1+A2+A3 |
| 622. | | Temperature Rise | Cl. 11 of IS 302-2-209:1994+A1+A2+A3 |
| 623. | | Operation Under Overload Condition of Appliance with Heating Elements | Cl. 12 of IS 302-2-209:1994+A1+A2+A3 |
| 624. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-209:1994+A1+A2+A3 |
| 625. | | Moisture Resistance | Cl. 15 of IS 302-2-209:1994+A1+A2+A3 |
| 626. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-209:1994+A1+A2+A3 |
| 627. | Low Speed Food Grinding Machines | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-209:1994+A1+A2+A3 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 628. | | Abnormal Operation | Cl. 19 of IS 302-2-209:1994+A1+A2+A3 |
| 629. | | Stability and Mechanical Hazards | Cl. 20 of IS IS 302-2-209:1994+A1+A2+A3 |
| 630. | | Mechanical Strength | Cl. 21 of IS 302-2-209:1994+A1+A2+A3 |
| 631. | | Construction | Cl. 22 of IS 302-2-209:1994+A1+A2+A3 |
| 632. | | Internal Wiring | Cl. 23 of IS 302-2-209:1994+A1+A2+A3 |
| 633. | | Components | Cl. 24 of IS 302-2-209:1994+A1+A2+A3 |
| 634. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-209:1994+A1+A2+A3 |
| 635. | | Terminal for External Conductors | Cl. 26 of IS 302-2-209:1994+A1+A2+A3 |
| 636. | | Provision for Earthing | Cl. 27 of IS 302-2-209:1994+A1+A2+A3 |
| 637. | | Screws and Connection | Cl. 28 of IS 302-2-209:1994+A1+A2+A3 |
| 638. | Low Speed Food Grinding Machines | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-209:1994+A1+A2+A3 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|--------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 639. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-209:1994+A1+A2+A3 |
| 640. | | Resistance to Rusting | Cl. 31 of IS 302-2-209:1994+A1+A2+A3 |
| 641. | Air Cleaning Appliance | Classification | Cl. 6 of IS 60335-2-65:2023 |
| 642. | | Marking and Instruction | Cl. 7 of IEC 60335-2-65:2023 |
| 643. | | Protection Against access to Live Parts | Cl. 8 of IEC 60335-2-65:2023 |
| 644. | | Power Input and Current | Cl. 10 of IEC 60335-2-65:2023 |
| 645. | | Heating | Cl. 11 of IEC 60335-2-65:2023 |
| 646. | | Charging of Metal-Ion Batteries | Cl. 12 of IEC 60335-2-65:2023 |
| 647. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IEC 60335-2-65:2023 |
| 648. | | Transient over Voltage | Cl. 14 of IEC 60335-2-65:2023 |
| 649. | Air Cleaning Appliance | Moisture Resistance | Cl. 15 of IEC 60335-2-65:2023 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|-------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 650. | | Leakage Current and Electric Strength | Cl. 16 of IEC 60335-2-65:2023 |
| 651. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IEC 60335-2-65:2023 |
| 652. | | Abnormal Operation | Cl. 19 of IEC 60335-2-65:2023 |
| 653. | | Stability And Mechanical Hazards | Cl. 20 of IEC 60335-2-65:2023 |
| 654. | | Mechanical Strength | Cl. 21 of IEC 60335-2-65:2023 |
| 655. | | Construction | Cl. 22 of IEC 60335-2-65:2023 |
| 656. | | Internal Wiring | Cl. 23 of IEC 60335-2-65:2023 |
| 657. | | Components | Cl. 24 of IEC 60335-2-65:2023 |
| 658. | | Supply Connection and External Flexible Cords | Cl. 25 of IEC 60335-2-65:2023 |
| 659. | | Terminal for External Conductors | Cl. 26 of IEC 60335-2-65:2023 |
| 660. | | Provision for Earthing | Cl. 27 of IEC 60335-2-65:2023 |
| 661. | | Screws and Connection | Cl. 28 of IEC 60335-2-65:2023 |



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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|-------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 662. | Air Cleaning Appliance | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IEC 60335-2-65:2023 |
| 663. | | Resistance Heat and Fire | Cl. 30 of IEC 60335-2-65:2023 |
| 664. | | Resistance to Rusting | Cl. 31 of IEC 60335-2-65:2023 |
| 665. | Oral Hygiene Appliance | Classification | Cl. 6 of IEC 60335-2-52:2021 |
| 666. | | Marking and Instruction | Cl. 7 of IEC 60335-2-52:2021 |
| 667. | | Protection Against Access to Live Parts | Cl. 8 of IEC 60335-2-52:2021 |
| 668. | | Power Input and Current | Cl. 10 of IEC 60335-2-52:2021 |
| 669. | | Heating | Cl. 11 of IEC 60335-2-52:2021 |
| 670. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IEC 60335-2-52:2021 |
| 671. | | Transient Over Voltage | Cl. 14 of IEC 60335-2-52:2021 |
| 672. | | Moisture Resistance | Cl. 15 of IEC 60335-2-52:2021 |
| 673. | | Leakage Current and Electric Strength | Cl. 16 of IEC 60335-2-52:2021 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|-------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 674. | Oral Hygiene Appliance | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IEC 60335-2-52:2021 |
| 675. | | Abnormal Operation | Cl. 19 of IEC 60335-2-52:2021 |
| 676. | | Stability And Mechanical Hazards | Cl. 20 of IEC 60335-2-52:2021 |
| 677. | | Mechanical Strength | Cl. 21 of IEC 60335-2-52:2021 |
| 678. | | Construction | Cl. 22 of IEC 60335-2-52:2021 |
| 679. | | Internal Wiring | Cl. 23 of IEC 60335-2-52:2021 |
| 680. | | Components | Cl. 24 of IEC 60335-2-52:2021 |
| 681. | | Supply Connection and External Flexible Cords | Cl. 25 of IEC 60335-2-52:2021 |
| 682. | | Terminal For External Conductors | Cl. 26 of IEC 60335-2-52:2021 |
| 683. | | Screws and Connection | Cl. 28 of IEC 60335-2-52:2021 |
| 684. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IEC 60335-2-52:2021 |
| 685. | | Resistance Heat and Fire | Cl. 30 of IEC 60335-2-52:2021 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|---|------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 686. | Domestic Electric Food Mixer | Rating | Cl. 5 of IS 4250:1980 |
| 687. | | Classification | Cl. 6 of IS 4250:1980 |
| 688. | | Marking And Instruction | Cl. 7 of IS 4250:1980 |
| 689. | | Protection Against Access to Live Parts | Cl. 8 of IS 4250:1980 |
| 690. | | Power Input and Current | Cl. 10 of IS 4250:1980 |
| 691. | | Temperature Rise | Cl. 11 of IS 4250:1980 |
| 692. | | Temperature Rise | Cl. 11 of IS 4250:1980 |
| 693. | | Operation Under Overload Condition of Appliance with Heating Elements | Cl. 12 of IS 4250:1980 |
| 694. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 4250:1980 |
| 695. | | Moisture Resistance | Cl. 15 of IS 4250:1980 |
| 696. | Leakage Current and Electric Strength | Cl. 16 of IS 4250:1980 | |



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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 697. | Domestic Electric Food Mixer | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 4250:1980 |
| 698. | | Abnormal Operation | Cl. 19 of IS 4250:1980 |
| 699. | | Stability And Mechanical Hazards | Cl. 20 of IS 4250:1980 |
| 700. | | Mechanical Strength | Cl. 21 of IS 4250:1980 |
| 701. | | Construction | Cl. 22 of IS 4250:1980 |
| 702. | | Internal Wiring | Cl. 23 of IS 4250:1980 |
| 703. | | Components | Cl. 24 of IS 4250:1980 |
| 704. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 4250:1980 |
| 705. | | Terminal For External Conductors | Cl. 26 of IS 4250:1980 |
| 706. | | Provision For Earthing | Cl. 27 of IS 4250:1980 |
| 707. | | Screws And Connection | Cl. 28 of IS 4250:1980 |
| 708. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 4250:1980 |

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|--------------------|--|--|------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 709. | | Resistance Heat and Fire | Cl. 30 of IS 4250:1980 |
| 710. | Domestic Electric Food Mixer | Resistance To Rusting | Cl. 31 of IS 4250:1980 |
| 711. | | Finish | Cl. 33 of IS 4250:1980 |
| 712. | | Operational Tests | Cl. 34 of IS 4250:1980 |
| 713. | | Temperature Withstand Test for Bowl | Cl. 35 of IS 4250:1980 |
| 714. | | Test For Controls | Cl. 36 of IS 4250:1980 |
| 715. | | Strength Assembly | Cl. 37 of IS 4250:1980 |
| 716. | | Mineral Filled Sheathed Heating Elements | Classification |
| 717. | Marking And Instruction | | Cl. 7 of IS 4159:2021 |
| 718. | Protection Against Access to Live Parts | | Cl. 8 of IS 4159:2021 |
| 719. | Power Input and Current | | Cl. 10 of IS 4159:2021 |
| 720. | Heating | | Cl. 11 of IS 4159:2021 |
| 721. | Leakage Current and Electric Strength at Operating Temperature | | Cl. 13 Of IS 4159:2021 |

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|--------------------|--|---|------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 722. | | Transient Over Voltage | Cl. 14 Of IS 4159:2021 |
| 723. | | Moisture Resistance | Cl. 15 Of IS 4159:2021 |
| 724. | | Leakage Current and Electric Strength | Cl. 16 Of IS 4159:2021 |
| 725. | | Endurance | Cl. 18 Of IS 4159:2021 |
| 726. | | Abnormal Operation | Cl. 19 Of IS 4159:2021 |
| 727. | | Stability And Mechanical Hazards | Cl. 20 Of IS 4159:2021 |
| 728. | Mineral Filled Sheathed Heating Elements | Mechanical Strength | Cl. 21 Of IS 4159:2021 |
| 729. | | Construction | Cl. 22 Of IS 4159:2021 |
| 730. | | Internal Wiring | Cl. 23 Of IS 4159:2021 |
| 731. | | Components | Cl. 24 Of IS 4159:2021 |
| 732. | | Supply Connection and External Flexible Cords | Cl. 25 Of IS 4159:2021 |
| 733. | | Terminal For External Conductors | Cl. 26 of IS 4159:2021 |
| 734. | | Provision For Earthing | Cl. 27 of IS 4159:2021 |



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|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 735. | | Screws And Connection | Cl. 28 of IS 4159:2021 |
| 736. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 4159:2021 |
| 737. | Mineral Filled Sheathed Heating Elements | Resistance Heat and Fire | Cl. 30 of IS 4159:2021 |
| 738. | | Resistance To Rusting | Cl. 31 of IS 4159:2021 |
| 739. | | General Requirements | Cl. 4 of IS 4250:2025 |
| 740. | Domestic Electric Food Mixer | General Conditions for the Tests | Cl. 5 of IS 4250:2025 |
| 741. | | Classification | Cl. 6 of IS 4250:2025 |
| 742. | | Marking | Cl. 7 of IS 4250:2025 |
| 743. | | Safety Requirements | Cl. 8 of IS 4250:2025 |
| 744. | | Protection Against Access to Live Parts | Cl. 8 of IS 302-2-14: 2009/ IS 4250:2025 |
| 745. | | Power Input and Current | Cl. 10 of IS 302-2-14: 2009/ IS 4250:2025 |
| 746. | | Heating | Cl. 11 of IS 302-2-14: 2009/ IS 4250:2025 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 747. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302-2-14: 2009/ IS 4250:2025 |
| 748. | | Transient Over Voltage | Cl. 14 of IS 302-2-14: 2009/ IS 4250:2025 |
| 749. | | Moisture Resistance | Cl. 15 of IS 302-2-14: 2009/ IS 4250:2025 |
| 750. | | Leakage Current and Electric Strength | Cl. 16 of IS 302-2-14: 2009/ IS 4250:2025 |
| 751. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302-2-14: 2009/ IS 4250:2025 |
| 752. | Domestic Electric Food Mixer | Abnormal Operation | Cl. 19 of IS 302-2-14: 2009/ IS 4250:2025 |
| 753. | | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-14: 2009/ IS 4250:2025 |
| 754. | | Mechanical Strength | Cl. 21 of IS 302-2-14: 2009/ IS 4250:2025 |
| 755. | | Construction | Cl. 22 of IS 302-2-14: 2009/ IS 4250:2025 |
| 756. | | Internal Wiring | Cl. 23 of IS 302-2-14: 2009/ IS 4250:2025 |
| 757. | | Components | Cl. 24 of IS 302-2-14: 2009/ IS 4250:2025 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 758. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302-2-14: 2009/ IS 4250:2025 |
| 759. | | Terminal For External Conductors | Cl. 26 of IS 302-2-14: 2009/ IS 4250:2025 |
| 760. | | Provision For Earthing | Cl. 27 of IS 302-2-14: 2009/ IS 4250:2025 |
| 761. | | Screws And Connection | Cl. 28 of IS 302-2-14: 2009/ IS 4250:2025 |
| 762. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302-2-14: 2009/ IS 4250:2025 |
| 763. | | Resistance Heat and Fire | Cl. 30 of IS 302-2-14: 2009/ IS 4250:2025 |
| 764. | Domestic Electric Food Mixer | Resistance to Rusting | Cl. 31 of IS 302-2-14: 2009/ IS 4250:2025 |
| 765. | | Endurance For Motor and Base Assembly | Cl. 9 of IS 4250:2025 |
| 766. | | Operational Tests | Cl. 10 of IS 4250:2025 |
| 767. | | Temperature Withstand Test for Bowl | Cl. 11 of IS 4250:2025 |
| 768. | | Test for Controls | Cl. 12 of IS 4250:2025 |
| 769. | | Strength of Assembly | Cl. 13 of IS 4250:2025 |

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| Electrical Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 770. | | Schedule of Tests | Cl. 14 of IS 4250:2025 |
| 771. | Electric Instantaneous Water Heaters | General Requirement | Cl.4 of IS 8978: 1992 |
| 772. | | General Notes on Test | Cl.5 of IS 8978: 1992 |
| 773. | | Rating | Cl. 6 of IS 8978: 1992 |
| 774. | | Classification | Cl.7 of IS 8978: 1992 |
| 775. | | Marking | Cl. 8 of IS 8978: 1992 |
| 776. | | Safety Requirement | Cl. 9 of IS 8978: 1992 |
| 777. | | Finish | Cl. 10 of IS 8978: 1992 |
| 778. | | Operation Of Flow Switch | Cl. 11 of IS 8978: 1992 |
| 779. | | Endurance | Cl. 12 of IS 8978: 1992 |
| 780. | Vacuum Cleaners and Water Suction Cleaning Appliances | General Requirement | Cl. 3 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 781. | | General Notes on Tests /General Requirement | Cl. 4 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 782. | | Rating/General Conditions for the Tests | Cl.5 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 783. | | Classification | Cl. 6 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |

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| Electrical Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 784. | | Marking | Cl. 7 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 785. | | Protection Against Access to Live Parts | Cl. 8 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 786. | | Starting of Motor-Operating Appliances | Cl. 9 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 787. | | Input | Cl. 10 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 788. | | Temperature Rise/ Heating | Cl. 11 of IS 302 : Part 2 : Sec 2 : 1997+A1/IEC 60335-2-2:2019 |
| 789. | Vacuum Cleaners and Water Suction Cleaning Appliances | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 790. | | Moisture Resistance | Cl. 15 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 791. | | Insulation Resistance and Electric Strength (After Humidity Treatment) / Leakage Current and Electric Strength | Cl. 16 of IS 302: Part 2: Sec 2 : 1997+A1/IEC 60335-2-2:2019 |
| 792. | | Leakage Current and Electric Strength | Cl. 16 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |

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| Electrical Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 793. | | Overload Protection / Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 794. | | Endurance | Cl. 18 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 795. | | Abnormal Operation | Cl. 19 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 796. | | Stability And Mechanical Hazards | Cl. 20 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 797. | | Mechanical Strength | Cl. 21 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 798. | Vacuum Cleaners and Water Suction Cleaning Appliances | Construction | Cl. 22 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 799. | | Internal Wiring | Cl. 23 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 800. | | Components | Cl. 24 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 801. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302: Part 2 : Sec 2 : 1997+A1/IEC 60335-2-2:2019 |
| 802. | | Terminal For External Conductors | Cl. 26 of IS 302: Part 2 : Sec 2 : 1997+A1/IEC 60335-2-2:2019 |



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| Electrical Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 803. | | Provision for Earthing | Cl. 27 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 804. | | Screws And Connection | Cl. 28 of IS 302: Part 2 : Sec 2 : 1997+A1/IEC 60335-2-2:2019 |
| 805. | Vacuum Cleaners and Water Suction Cleaning Appliances | Creepage Distances, Clearances and Distances Through Insulation / Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 806. | | Resistance To Heat, Fire and Tracking / Resistance Heat and Fire | Cl. 30 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 807. | | Resistance To Rusting | Cl. 31 of IS 302: Part 2: Sec 2: 1997+A1/IEC 60335-2-2:2019 |
| 808. | | General Requirement | Cl. 4 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 809. | Commercial Dispensing Appliances and Vending Machines | General Condition for the Tests | Cl. 5 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 810. | | Classification | Cl. 6 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 811. | | Marking and Instruction | Cl. 7 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |

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| Electrical Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 812. | | Protection against Access to Live Parts | Cl. 8 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 813. | | Power Input and Current | Cl. 10 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 814. | | Heating | Cl. 11 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 815. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 816. | | Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 817. | Commercial Dispensing Appliances and Vending Machines | Transient Over Voltage | Cl. 14 of IS IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 818. | | Moisture Resistance | Cl. 15 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 819. | | Leakage Current and Electric Strength | Cl. 16 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 820. | | Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 821. | | Endurance | Cl. 18 of IS 302: Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |

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| Electrical Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 822. | | Abnormal Operation | Cl. 19 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 823. | | Stability And Mechanical Hazards | Cl. 20 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 824. | | Mechanical Strength | Cl. 21 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 825. | Commercial Dispensing Appliances and Vending Machines | Construction | Cl. 22 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 826. | | Internal Wiring | Cl. 23 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 827. | | Components | Cl. 24 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 828. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 829. | | Terminal For External Conductors | Cl. 26 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 830. | | Provision For Earthing | Cl. 27 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 831. | | Screws And Connection | Cl. 28 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 832. | | Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |

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| Electrical Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 833. | | Resistance Heat and Fire | Cl. 30 of IS 302 : Part 2 : Sec 75 : 2018/ IEC 60335-2-75:2024 |
| 834. | | Resistance to Rusting | Cl. 31 of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 835. | | Aging Test for Elastomeric Parts | Annex AA of IS 302: Part 2: Sec 75: 2018/ IEC 60335-2-75:2024 |
| 836. | Household and Similar Electrical Appliances - Fans | General Requirement | Cl. 4 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 837. | | General Conditions for the Tests | Cl. 5 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 838. | Household and Similar Electrical Appliances - Fans | Classifications | Cl. 6 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 839. | | Marking and Instructions | Cl. 7 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 840. | | Protection Against Access To Live Parts | Cl. 8 of IS 302-2-80 :2017/IEC 60335-2-80: 2024 |
| 841. | | Power Input and Current | Cl. 10 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 842. | | Heating | Cl. 11 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 843. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |



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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 844. | | Leakage Current & Electric Strength At Operating Temperature | Cl. 13 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 845. | | Transient Over Voltages | Cl. 14 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 846. | | Moisture Resistance | Cl. 15 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 847. | | Leakage Current & Electric Strength | Cl. 16 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 848. | | Overload Protection Of Transformer & Associated Circuit | Cl. 17 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 849. | | Abnormal Operation | Cl. 19 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 850. | Household and Similar Electrical Appliances - Fans | Stability And Mechanical Hazards | Cl. 20 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 851. | | Mechanical Strength | Cl. 21 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 852. | | Construction | Cl. 22 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 853. | | Internal Wiring | Cl. 23 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 854. | | Components | Cl. 24 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |

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| Electrical Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 855. | Household and Similar Electrical Appliances - Fans | Supply Connections and External Flexible Cords | Cl. 25 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 856. | | Terminals for External Conductors | Cl. 26 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 857. | | Provision for Earthing | Cl. 27 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 858. | | Screws and Connections | Cl. 28 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 859. | | Clearances, Creepage Distance & Solid Insulation | Cl. 29 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 860. | | Resistance to Heat and Fire | Cl. 30 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 861. | | Resistance to Rusting | Cl. 31 of IS 302-2-80 :2017+A1/IEC 60335-2-80: 2024 |
| 862. | Spin Extractors | General Requirement | Cl. 4 of IS 302-2-4: 1993+A1/ IEC 60335-2-4:2023 |
| 863. | | General Notes on Test | Cl. 5 of IS 302-2-4: 1993+A1/ IEC 60335-2-4:2023 |
| 864. | | Classification | Cl. 6 of IS 302: Part 2: Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 865. | | Marking / Marking and Instruction | Cl. 7 of IS 302: Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 866. | | Protection against access to Live Parts | Cl. 8 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 867. | | Starting of Motor-Operated Appliances | Cl. 9 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 868. | | Input and Current / Power Input and Current | Cl. 10 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 869. | | Heating | Cl. 11 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 870. | | Heating | Cl. 11 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 871. | | Charging of Metal-Ion Batteries | Cl. 12 of IS 302: Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 872. | Spin Extractors | Electrical Insulation And Leakage Current at Operating Temperature/ Leakage Current and Electric Strength at Operating Temperature | Cl. 13 of IS 302: Part 2: Sec 4: 1993+A1/ IEC 60335-2-4:2023 |
| 873. | | Radio and Television Interference Suppressions/ Transient Over Voltage | Cl. 14 of IS 302: Part 2: Sec 4: 1993+A1/ IEC 60335-2-4:2023 |
| 874. | | Moisture Resistance | Cl. 15 of IS 302: Part 2: Sec 4: 1993+A1/ IEC 60335-2-4:2023 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|---------------------------------------|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 875. | | Insulation Resistance And Electric Strength (After Humidity Treatment)/ Leakage Current and Electric Strength | Cl. 16 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 876. | | Overload Protection / Overload Protection of Transformers and Associated Circuit | Cl. 17 of IS 302: Part 2: Sec 4: 1993+A1/ IEC 60335-2-4:2023 |
| 877. | | Abnormal Operation | Cl. 19 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 878. | | Stability And Mechanical Hazards | Cl. 20 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 879. | | Mechanical Strength | Cl. 21 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 880. | Spin Extractors | Construction | Cl. 22 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 881. | | Internal Wiring | Cl. 23 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 882. | | Components | Cl. 24 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 883. | | Supply Connection and External Flexible Cords | Cl. 25 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 884. | | Terminal for External Conductors | Cl. 26 of IS 302: Part 2: Sec 4: 1993+A1/ IEC 60335-2-4:2023 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 885. | | Provision for Earthing | Cl. 27 of IS 302: Part 2: Sec 4: 1993+A1/ IEC 60335-2-4:2023 |
| 886. | | Screws and Connection | Cl. 28 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 887. | | Creepage Distances, Clearances And Distances Through Insulation/ Clearances, Creepage Distance and Solid Insulation | Cl. 29 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 888. | | Resistance To Heat, Fire And Tracking/ Resistance Heat and Fire | Cl. 30 of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 889. | | Resistance To Rusting | Cl. 31 of IS 302: Part 2: Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 890. | Spin Extractors | Sampling Procedure for Acceptance Tests | Annex B of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 891. | | Electronic Circuits | Annex C of IS 302: Part 2: Sec 4: 1993+A1/ IEC 60335-2-4:2023 |
| 892. | | Measurement of Temperature with Thermometer | Annex D of IS 302: Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 893. | | Alternative Requirements for Protected Motor Units | Annex E of IS 302: Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |

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| Electrical Testing | | | |
|--------------------|---------------------------------------|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 894. | | Impact Test Apparatus | Annex F of IS 302: Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 895. | | Thermal Controls and Overload Releases | Annex G of IS of IS 302: Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 896. | | Measurement Of Creepage Distances and Clearances | Annex H of IS 302: Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 897. | | Test For Fire-Resisting Properties | Annex J of IS 302 : Part 2 : Sec 4 : 1993+A1/ IEC 60335-2-4:2023 |
| 898. | Induction Hobs | Household Electric Cooking Appliances | IS 19014:2022 (BEE Schedule 34) |
| 899. | | Performance Tests | CI 3.2 (BEE Schedule 34) |
| 900. | Induction Hobs | Power Measurement | CI 3.2.1 (BEE Schedule 34) |
| 901. | | Energy Consumption (A) Ecw B) Ehob | CI 3.2.2 (BEE Schedule 34) |
| 902. | | Heating Up Time | CI 3.2.3 (BEE Schedule 34) |
| 903. | | Standby Power | CI 3.2.4 (BEE Schedule 34) |
| 904. | | Thermal Efficiency | CI 3.2.5 (BEE Schedule 34) |
| 905. | | Performance Testing Parameters | CI 4.2 (BEE Schedule 34) |

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| Electrical Testing | | | |
|--------------------|--|--|--------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 906. | | Energy Consumption (E _{cw} , E _{hob}) | CI 4.2.1 (BEE Schedule 34) |
| 907. | | Thermal Efficiency | CI 4.2.2 (BEE Schedule 34) |
| 908. | | Heating Up Time | CI 4.2.3 (BEE Schedule 34) |
| 909. | | Standby Power | CI 4.2.4 (BEE Schedule 34) |
| 910. | Induction Hobs | Household Electrical Appliances - Measurement of Standby Power | IEC 62301:2011(BEE Schedule 34) |
| 911. | | General | Cl.6.1 of IS 17681: 2022+A1 |
| 912. | | Sound Pressure Level | Cl.7 of 2022+A1 IS 17681: 2022+A1 |
| 913. | | Cooling Capacity Test | Cl.10.1 of IS 17681: 2022+A1 |
| 914. | Bottled Water Dispensers Specification | Cooling Capacity Test- Floor Standing with Refrigeration | Cl.10.1.2 of IS 17681: 2022+A1 |
| 915. | | Maximum Operating Condition Test | Cl.10.2 of IS 17681: 2022+A1 |
| 916. | | Heating Capacity Test | Cl.10.3 of IS 17681: 2022+A1 |
| 917. | | Annual Energy Consumption Test | Cl.10.4 of IS 17681: 2022+A1 |

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| Electrical Testing | | | |
|--------------------|---|---|------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electrical Appliances | | |
| 918. | | Bottled Water Dispensers Specification | Cl.10.5 of IS 17681: 2022+A1 |
| 919. | | Freeze Up Test | Cl.10.6 of IS 17681: 2022+A1 |
| 920. | | Door Opening and Closing Test | Cl.10.7 of IS 17681:2022+A1 |
| 921. | Bottled Water Dispensers Specification | Door Seal Test | Cl.10.8 of IS 17681:2022+A1 |
| 922. | | Pull Down Test | Cl.10.9 of IS 17681:2022+A1 |
| 923. | Portable Electric Indoor Air Purifier Specification | Principle of Purification | Cl. 4 of IS 17531: 2021 |
| 924. | | Performance Requirements | Cl. 5 of IS 17531: 2021 |
| 925. | | Test Pollutants | Cl. 6 of IS 17531: 2021 |
| 926. | | Apparatus | Cl. 7 of IS 17531: 2021 |
| 927. | | Grading | Cl. 8 of IS 17531: 2021 |
| 928. | | Packing | Cl. 9 of IS 17531: 2021 |
| 929. | | Marking | Cl. 10 of IS 17531: 2021 |
| 930. | | Manufacturer's guarantee | Cl. 11 of IS 17531: 2021 |
| 931. | | Limits of Measurability | ANNEX A of IS 17531: 2021 |
| 932. | | Determination of clean air delivery Rate (cadr) | ANNEX B of IS 17531: 2021 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|-----------------------------|--|---------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 1. | All Electrical Products | Cold (Low Temperature) | Test Number 1, QM 333: 2010 |
| 2. | | Low Temperature | Test Number 20, JSS 55555: 2020 |
| 3. | | Damp Heat Steady State | Test Number 5, QM 333: 2010 |
| 4. | | Tropical Exposure/Damp Heat Cyclic | Test Number 3, QM 333: 2010 |
| 5. | | Damp Heat | Test Number 10, JSS 55555: 2020 |
| 6. | | Dry Heat (High Temperature) | Test Number 2, QM 333: 2010 |
| 7. | | High Temperature | Test Number 17, JSS 55555: 2020 |
| 8. | | Dust | Test Number 14, JSS 55555: 2020 |
| 9. | | Glow Wire Test | IEC 60695-2-10: 2021 |
| 10. | | Glow Wire Test | IS 11000-2-1: 2021 |
| 11. | | Protection Against External Mechanical Impacts (IK Test) | IEC 62262: 2021 |
| 12. | | Degree of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 1(IP1X) | IS/IEC 60529: 2001 +RA 2019 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|-----------------------------|--|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 13. | All Electrical Products | Degree of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 2 (IP2X) | IS/IEC 60529: 2001 +RA 2019 |
| 14. | | Degree of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 3 (IP3X) | IS/IEC 60529: 2001 +RA 2019 |
| 15. | | Degree of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 4 (IP4X) | IS/IEC 60529: 2001 +RA 2019 |
| 16. | | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 5 (IP5X) | IS/IEC 60529: 2001 +RA 2019 |
| 17. | | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 6 (IP6X) | IS/IEC 60529: 2001 +RA 2019 |
| 18. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 1 (IPX1) | IS/IEC 60529: 2001 +RA 2019 |

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| Electrical Testing | | | |
|--------------------|-----------------------------|--|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 19. | All Electrical Products | Degree of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 2 (IPX2) | IS/IEC 60529: 2001 +RA 2019 |
| 20. | | Degree of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 3 (IPX3) | IS/IEC 60529: 2001 +RA 2019 |
| 21. | | Degree of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 4 (IPX4) | IS/IEC 60529: 2001 +RA 2019 |
| 22. | | Degree of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 5 (IPX5) | IS/IEC 60529: 2001 +RA 2019 |
| 23. | | Degree of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 6 (IPX6) | IS/IEC 60529: 2001 +RA 2019 |
| 24. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 7 | IS/IEC 60529: 2001 +RA 2019 |

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| Electrical Testing | | | |
|--------------------|-----------------------------|--|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| | | (IPX7) | |
| 25. | All Electrical Products | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 8 (IPX8) | IS/IEC 60529: 2001 +RA 2019 |
| 26. | | Rapid Cyclic Temperature Changes (Thermal Shock) | Test Number 4, QM 333: 2010 |
| 27. | | Test Na: Rapid Change of Temperature Test Nb: Change of Temperature with Specified Rate of Change | IEC 60068-2-14: 2023 |
| 28. | | Thermal Shock Test | Test Number 22, JSS:55555: 2020 |
| 29. | | Thermal Shock Test | IS: 9000 (Part 14/Sec 1 To 3): 2021 |
| 30. | | Ball Pressure Test (Resistance to Heat Test) | IEC 60695-10-2: 2014 |
| 31. | | Drip Proof | Test No 11 JSS 55555:2020 |
| 32. | | Drop Test | Test Number 13, JSS:55555: 2020 |



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| Electrical Testing | | | |
|--------------------|-----------------------------|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 33. | | Needle Flame Test | IEC 60695-11-5: 2016 |
| 34. | All Electrical Products | Needle Flame Test | IS 11000-2-2: 2008 |
| 35. | | Tropical Exposure | Test Number 27, JSS:55555: 2020 |
| 36. | | Hygroscopic Test | IEC 60322: 2001 |
| 37. | | Functional Random Vibration Test Conditions | CL.8 IEC 61373:2010 |
| 38. | | Simulated Long Life at Increase Random Vibration Levels | CL.9 IEC 61373:2010 |
| 39. | | Visual Inspection, Performance Test, Low Temperature Storage Test, Cold Start Test, Damp Heat Test Cyclic, Dry Heat Test, Vibration, Shock and Bump Test, Insulation Test, Water tightness Test | CI 12 (12.2.1,12.2.2, 12.2.4, 12.2.5, 12.2.6, 12.2.10, 12.2.11, 12.2.12 ,12.2.13, 12.2.14,12.2.15) IEC 60571:2012 |
| 40. | | Salt Mist Test | IEC 60068-2-52:2017 |
| 41. | | Salt Spray | ISO 16750-4:2023 |
| 42. | | Damp Heat (Cyclic)Test | IS 9000: Part 5: Sec 1 AND 2: 1981) |

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| Electrical Testing | | | |
|--------------------|-----------------------------|---|----------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 43. | All Electrical Products | Damp Heat, Cyclic | IEC 60068-2-30:2025 |
| 44. | | High Temperature Test | MIL-STD-810(G):2008 |
| 45. | | Humidity | MIL-STD-810(G):2008 |
| 46. | | Salt Mist | IEC 60068-2-11:2021 |
| 47. | | Salt Spray (Fog) Test | ASTM B117:2019 |
| 48. | | Assignment Of Ratings | ISO 10289:1999 |
| 49. | | Corrosion (Acid), Corrosion (Alkaline), Corrosion (Salt/Salt Fog) | JSS 55555: Test No.7,8, & 9:2020 |
| 50. | | Temperature Shock | MIL-STD-810(G):2008 |
| 51. | | Vibration Test | MIL-STD-810(G):2008 |
| 52. | | Salt Fog Test | MIL-STD-810(G):2008 |
| 53. | | Shock Test | Test No 24 JSS 55555:2020 |
| 54. | | Toppling Test | JSS 55555: Test No. 26:2020 |
| 55. | | Dry Heat Test | IEC 60068-2-2:2025 |



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| Electrical Testing | | | |
|--------------------|-----------------------------|---|--------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 56. | | Damp Heat (Steady State) | IEC 60068-2-78:2025 |
| 57. | All Electrical Products | Composite Temperature/Humidity Cyclic Test | IS/IEC 60068-2-38: 2021 |
| 58. | | Vibration (Sinusoidal) | IEC 60068-2-6:2007 |
| 59. | | Vibration, Broadband Random and Guidance | IEC 60068-2-64:2008+AMD1: 2019 |
| 60. | | Hammer Test | IEC 60068 2-75:2025 |
| 61. | | Resistance To Aging, To Humidity Condition, To Ingress Of Solid Objects and to Harmful Ingress of Water | IS 14772:2020 (Cl:13) |



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| Electrical Testing | | | |
|--------------------|--|--|----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 1. | Lead-Acid Storage Batteries for Motor Vehicles with Light Weight and High Cranking Performance | Material And Constructions and Workmanship | Cl. 4 IS 14257: 2019 |
| 2. | | Capacities, Dimensions, Mass and Layout | Cl. 6 IS 14257: 2019 |
| 3. | | Charging | Cl. 7 IS 14257: 2019 |
| 4. | | Physical Examination | Cl. 9.3.1 IS 14257: 2019 |
| 5. | | Dimensions And Layout | Cl. 9.3.2 IS 14257: 2019 |
| 6. | | Capacity (5 H Rate) Test | Cl. 9.3.4 IS 14257: 2019 |
| 7. | | Temperature Correction Test | Cl. 9.3.4.1 IS 14257: 2019 |
| 8. | | High-Rate Discharge Test | Cl. 9.3.5 IS 14257: 2019 |
| 9. | | Cold Cranking Performance Test (CCA) | Cl. 9.3.6 IS 14257: 2019 |
| 10. | | Reserve Capacity Test | Cl. 9.3.7 IS 14257: 2019 |
| 11. | | Charge Acceptance Test | Cl. 9.3.8 IS 14257: 2019 |
| 12. | | Water Consumption Test | Cl. 9.3.9 IS 14257: 2019 |
| 13. | | Charge Retention Test | Cl. 9.3.10 IS 14257: 2019 |

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| Electrical Testing | | | |
|--------------------|--|---|---------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 14. | | Light Load Endurance (LLE) Test | Cl. 9.3.11 IS 14257: 2019 |
| 15. | | Life Cycle Test | Cl. 9.3.12 IS 14257: 2019 |
| 16. | | Overcharge Endurance Test | Cl. 9.3.13 IS 14257: 2019 |
| 17. | | Electrolyte Retention Test | Cl. 9.3.14 IS 14257: 2019 |
| 18. | Lead-Acid Storage Batteries for Motor Vehicles with Light Weight and High Cranking Performance | Vibration Resistance Test | Cl. 9.3.15 IS 14257: 2019 |
| 19. | | Strength of Terminal Test | Cl. 9.3.16 IS 14257: 2019 |
| 20. | | Robustness To Fastening Test | Cl. 9.3.17 IS 14257: 2019 |
| 21. | | Test For Dry- Charged Battery | Cl. 9.3.18 IS 14257: 2019 |
| 22. | | Robustness of Handles Test | Cl. B-1.1 IS 14257: 2019 |
| 23. | | Residual Capacity Test | Cl. B-1.2 IS 14257: 2019 |
| 24. | | Stationary Cells and Batteries, Lead-Acid Type (With Tubular Positive Plates) | Rating and Designation |
| 25. | Capacity and Dimensions | | Cl. 7 IS 1651: 2013 |
| 26. | Marking and Packing | | Cl. 8 IS 1651: 2013 |
| 27. | First Charge | | Cl. 11.3 IS 1651: 2013 |

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| Electrical Testing | | | |
|--------------------|---|--|-------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 28. | Stationary Cells and Batteries, Lead-Acid Type (With Tubular Positive Plates) | Specific Gravity of Electrolyte | Cl. 11.4 IS 1651: 2013 |
| 29. | | Temperature Factors of Capacity | Cl. 11.6 IS 1651: 2013 |
| 30. | | Verification of Marking and Packing | Cl. 12.3 IS 1651: 2013 |
| 31. | | Verification of Dimension | Cl. 12.4 IS 1651: 2013 |
| 32. | | Test For Capacity | Cl. 12.5 IS 1651: 2013 |
| 33. | | Alternative Rates of Test Discharges | Cl. 12.6 IS 1651: 2013 |
| 34. | | Loss of Capacity on Storage | Cl. 12.7 IS 1651: 2013 |
| 35. | | Endurance Test | Cl. 12.8 IS 1651: 2013 |
| 36. | | Ampere-Hour And Watt-Hour Efficiency Test | Cl.12.9 IS 1651: 2013 |
| 37. | | Test For Voltage During Discharge | Cl. 12.10 IS 1651: 2013 |
| 38. | | Water Loss Test | Cl. 12.11 IS 1651: 2013 |
| 39. | | Test of Suitability of Floating Battery Operation | Cl. 12.12 IS 1651: 2013 |

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| Electrical Testing | | | |
|--------------------|--|---|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 40. | | Short Circuit Current and Internal Resistance Test | Cl. 12.13 IS 1651: 2013 |
| 41. | | Mechanical Strength | Cl. 4 IEC 60896-11:2002 |
| 42. | | Electrolyte Levels | Cl. 5 IEC 60896-11:2002 |
| 43. | | Electrolyte Reserve | Cl. 6 IEC 60896-11:2002 |
| 44. | | Capacity Test | Cl. 7, 14 IEC 60896-11:2002 |
| 45. | | Suitability For Floating Battery Operation | Cl. 8 IEC 60896-11:2002 |
| 46. | Stationary Lead Acid Batteries- Part 11: Vented Type General Requirements and Methods of Test | Stationary Batteries Are Mainly Used in Floating Operation | Cl. 8.1 IEC 60896-11:2002 |
| 47. | | Batteries Operating in Continuous Floating Operation | Cl. 8.2 IEC 60896-11:2002 |
| 48. | | Endurance | Cl. 9 IEC 60896-11:2002 |
| 49. | | Endurance In Cycles | Cl. 9.1 IEC 60896-11:2002 |
| 50. | | Endurance In Overcharge | Cl. 9.2 IEC 60896-11:2002 |
| 51. | | Charge Retention | Cl. 10 IEC 60896-11:2002 |

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| Electrical Testing | | | |
|--------------------|--|---|--------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 52. | | Short-Circuit Current and Internal Resistance | Cl. 11 IEC 60896-11:2002 |
| 53. | | Accuracy of Measuring Instruments | Cl. 12 IEC 60896-11:2002 |
| 54. | | Preparation of Cells and Batteries for Testing | Cl. 13 IEC 60896-11:2002 |
| 55. | | Capacity Test | Cl. 14 IEC 60896-11:2002 |
| 56. | | Test Of Suitability for Floating Battery Operation | Cl. 15 IEC 60896-11:2002 |
| 57. | Stationary Lead Acid Batteries- Part 11: Vented Type General Requirements and Methods of Test | Endurance In Discharge-Charge Cycles | Cl. 16 IEC 60896-11:2002 |
| 58. | | Endurance In Overcharge | Cl. 17 IEC 60896-11:2002 |
| 59. | | Charge Retention Test | Cl. 18 IEC 60896-11:2002 |
| 60. | | Short-Circuit Current and Internal Resistance Determination | Cl. 19 IEC 60896-11:2002 |
| 61. | | Cell And Battery Marking | Cl. 20 IEC 60896-11:2002 |
| 62. | | Marking Of Polarity | Cl. 24 IEC 60896-11:2002 |



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|--------------------|---|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 63. | Stationary Lead- Acid Batteries (With Tubular Positive Plates) In Monobloc Container | Acceptance Tests | Cl. 3.3 IS 13369: 19992 A1: 2000+A2: 2003+A3: 2014 |
| 64. | Stationary Lead- Acid Batteries (With Tubular Positive Plates) In Monobloc Container | Capacity and Dimensions | Cl. 7 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 |
| 65. | | Marking and Packing | Cl. 8 IS 13369: 19992 A1: 2000+A2: 2003+A3: 2014 |
| 66. | | Temperature for Testing | Cl. 10.1 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 |
| 67. | | First Charge | Cl. 10.3 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 |
| 68. | | Specific Gravity of Electrolyte | Cl. 10.4 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 |
| 69. | | Temperature Factors of Capacity | Cl. 10.5 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 |
| 70. | | Acceptance Tests | Cl. 11.1.2 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 |
| 71. | | Verification of Constructional Requirements | Cl. 11.2 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 |
| 72. | Verification of Marking and Packing | Cl. 11.3 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |

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| Electrical Testing | | | | |
|--------------------|---|--|---|---------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 73. | Stationary Lead- Acid Batteries (With Tubular Positive Plates) In Monobloc Container | Verification of Dimensions | Cl. 11.4 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |
| 74. | | Test For Capacity | Cl. 11.5 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |
| 75. | | Loss Of Capacity on Storage | Cl. 11.6 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |
| 76. | | Endurance Test | Cl. 11.7 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |
| 77. | | Ampere-Hour And Watt-Hour Efficiency Test | Cl. 11.8 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |
| 78. | | Ampere-Hour Efficiency Tests | Cl. 11.8.1 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |
| 79. | | Watt-Hour Efficiency Tests | Cl. 11.8.2 IS 13369: 1992 A1: 2000+A2: 2003+A3: 2014 | |
| 80. | | Functional Characteristics | CL 4 IEC 60896-21: 2004 | |
| 81. | | Stationary Lead- Acid Batteries- Part 21: Valve | Accuracy Of Measuring Instruments | CL 5.1 IEC 60896-21: 2004 |
| 82. | | Regulated Types- Methods of Test | Gas Emission | CL 6.1 IEC 60896-21: 2004 |
| 83. | | High Current Tolerance | CL 6.2 IEC 60896-21: 2004 | |

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| Electrical Testing | | | |
|--------------------|--|--|---------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 84. | | Short-Circuit Current and D.C. Internal Resistance | CL 6.3 IEC 60896-21:2004 |
| 85. | | Protection Against Internal Ignition from External Spark Sources | CL 6.4 IEC 60896-21:2004 |
| 86. | | Protection Against Ground Short Propensity | CL 6.5 IEC 60896-21:2004 |
| 87. | | Content And Durability of Required Markings | CL 6.6 IEC 60896-21:2004 |
| 88. | | Material Identification | CL 6.7 IEC 60896-21:2004 |
| 89. | Stationary Lead- Acid Batteries- Part 21: Valve Regulated Types- Methods of Test | Valve Operation | CL 6.8 IEC 60896-21:2004 |
| 90. | | Intercell Connector Performance | CL 6.10 IEC 60896-21:2004 |
| 91. | | Discharge Capacity | CL 6.11 IEC 60896-21:2004 |
| 92. | | Charge Retention During Storage | CL 6.12 IEC 60896-21:2004 |
| 93. | | Float Service with Daily Discharges | CL 6.13 IEC 60896-21:2004 |
| 94. | | Recharge Behaviour | CL 6.14 IEC 60896-21:2004 |

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| Electrical Testing | | | |
|--------------------|--|---|---------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 95. | | Service Life at an Operating Temperature Of 40°C | CL 6.15 IEC 60896-21:2004 |
| 96. | | Impact of a Stress Temperature Of 55°C Or 60°C | CL 6.16 IEC 60896-21:2004 |
| 97. | | Abusive over- Discharge | CL 6.17 IEC 60896-21:2004 |
| 98. | | Thermal Runway Sensitivity | CL 6.18 IEC 60896-21:2004 |
| 99. | Stationary Lead- Acid Batteries- Part 21: Valve Regulated Types- Methods of Test | Low Temperature Sensitivity | CL 6.19 IEC 60896-21:2004 |
| 100. | | Dimensional Stability At Elevated Internal Pressure and Temperatures | CL 6.20 IEC 60896-21:2004 |
| 101. | | Stability Against Mechanical Abuse Units During Installation | CL 6.21 IEC 60896-21:2004 |
| 102. | | Stationary Lead- Acid Batteries- Part 22: Valve Regulated Types- Requirements | Durability Requirements |
| 103. | | Requirement for Gas Emission Information | CL 6.1 IEC 60896-22:2004 |



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| Electrical Testing | | | |
|--------------------|---|--|---------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 104. | | Requirement for High Current Tolerance | CL 6.2 IEC 60896-22:2004 |
| 105. | | Short-Circuit Current and D.C. Internal Resistance | CL 6.3 IEC 60896-22:2004 |
| 106. | Stationary Lead- Acid Batteries- Part 22: Valve Regulated Types- Requirements | Protection Against Internal Ignition from External Spark Sources | CL 6.4 IEC 60896-22:2004 |
| 107. | | Protection Against Ground Short Propensity | CL 6.5 IEC 60896-22:2004 |
| 108. | | Content And Durability of Required Markings | CL 6.6 IEC 60896-22:2004 |
| 109. | | Flammability Rating of The Material | CL 6.9 IEC 60896-22:2004 |
| 110. | | Discharge Capacity Performance | CL 6.11 IEC 60896-22:2004 |
| 111. | | Charge Retention During Storage | CL 6.12 IEC 60896-22:2004 |
| 112. | | Float Service with Daily Discharges | CL 6.13 IEC 60896-22:2004 |
| 113. | | Recharge Behaviour | CL 6.14 IEC 60896-22:2004 |

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| Electrical Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 114. | | Service Life at an Operating Temperature of 40°C | CL 6.15 IEC 60896-22:2004 |
| 115. | | Impact of a Stress Temperature 55°C or 60°C | CL 6.16 IEC 60896-22:2004 |
| 116. | | Impact of Abusive Over- Discharges | CL 6.17 IEC 60896-22:2004 |
| 117. | | Thermal Runway Sensitivity | CL 6.18 IEC 60896-22:2004 |
| 118. | Stationary Lead- Acid Batteries- Part 22: Valve Regulated Types- Requirements | Impact of Low Temperature Service on Capacity | CL 6.19 IEC 60896-22:2004 |
| 119. | | Dimensional Stability at Elevated Internal Pressures and Temperatures | CL 6.20 IEC 60896-22:2004 |
| 120. | | Stability against Mechanical Abuse of Units During Installation | CL 6.21 IEC 60896-22:2004 |
| 121. | | Rating and Designation | CL 7 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 |
| 122. | Stationary Valve Regulated Lead Acid Batteries | Markings on Cell | CL 8 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 |
| 123. | | Test for C 10 Capacity | CL 12.1 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 |
| 124. | | Test for C1 Capacity | CL 12.2 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 |

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| Electrical Testing | | | | |
|--------------------|---|--|--|-------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 125. | Stationary Valve Regulated Lead Acid Batteries | Capacity Test at Other Discharge Rates | CL 12.3 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 126. | | Ampere Hour Efficiency and Watt Hour Efficiency | CL 12.4 & 12.5 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 127. | | Watt Hour Efficiency | CL 12.5 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 128. | | Test For Retention Of Charge | CL 12.6 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 129. | | Test On Separators (Ref to Fig. 1 And Annex B For Test Set Up and Procedure) | CL 12.7 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 130. | | Test For Vent Seal Operation | CL 12.8 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 131. | | Test For Oxygen Recombination Efficiency (Ref to Fig. 2 and Annex C For Test Set Up) | CL 12.9 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 132. | | Endurance Life Cycle Test | CL 12.10 IS 15549: 2005 A1:2012+A2: 2014+A3: 2018 | |
| 133. | | Secondary Cells and Batteries Containing Alkaline or Other | Parameter Measurement Tolerances | CI 4 IS 16048 (Part 1): 2021 |
| 134. | | Non-Acid Electrolytes — | Cell And Battery Designation | Cl. 5 IS 16048 (Part 1): 2021 |
| 135. | Secondary Sealed Cells and Batteries for Portable | Cell And Battery Designation and Marking | Cl. 5.1 IS 16048 (Part 1): 2021 | |

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| Electrical Testing | | | |
|--------------------|---|--|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 136. | Applications Part 1 Nickel-Cadmium | Marking | CL 5.3 IS 16048 (Part 1): 2021 |
| 137. | | Electrical Tests | Cl. 7 IS 16048 (Part 1): 2021 |
| 138. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Secondary Sealed Cells and Batteries for Portable Applications Part 1 Nickel-Cadmium | Charging Procedure for Test Purposes | CL 7.2 IS 16048 (Part 1): 2021 |
| 139. | | Charging Procedure for Cell | Cl. 7.2.1 IS 16048 (Part 1): 2021 |
| 140. | | Charging Procedure for Battery | Cl.7.2.2 IS 16048 (Part 1): 2021 |
| 141. | | Discharge Performance | Cl 7.3 IS 16048 (Part 1): 2021 |
| 142. | | Discharge Performance at 20 °C | Cl 7.3.2 IS 16048 (Part 1): 2021 |
| 143. | | Discharge Performance for Cells at 20 °C | Cl 7.3.2.2 IS 16048 (Part 1): 2021 |
| 144. | | Discharge Performance for Batteries at 20 °C | Cl. 7.3.2.3 IS 16048 (Part 1): 2021 |
| 145. | | Discharge Performance at -18 °C | Cl 7.3.3 IS 16048 (Part 1): 2021 |
| 146. | | Discharge Performance for Rapid Charge Cells (R Cells) | Cl 7.3.4 IS 16048 (Part 1): 2021 |
| 147. | | Charge (Capacity) Retention | Cl 7.4 IS 16048 (Part 1): 2021 |



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| Electrical Testing | | | |
|--------------------|---|---|------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 148. | | Endurance | CL 7.5 IS 16048 (Part 1): 2021 |
| 149. | | Endurance In Cycles | CI 7.5.1 IS 16048 (Part 1): 2021 |
| 150. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — Secondary Sealed Cells and Batteries for Portable Applications Part 1 Nickel-Cadmium | Cylindrical Cells (Accelerated Test Procedures) | CI 7.5.1.4 IS 16048 (Part 1): 2021 |
| 151. | | Permanent Charge Endurance | CI 7.5.2 IS 16048 (Part1): 2021 |
| 152. | | Overcharge | CI 7.7 IS 16048 (Part1): 2021 |
| 153. | | Safety Device Operation | CI 7.8 IS 16048 (Part1): 2021 |
| 154. | | Button Cells or Batteries Storage, Small Prismatic Cells or Batteries Storage, Cylindrical Cells or Batteries Storage | CI 7.9 IS 16048 (Part1): 2021 |
| 155. | | Charge Acceptance At +55 °C For LT, MT or HT Cylindrical Cells | CI 7.10 IS 16048 (Part1): 2021 |
| 156. | | Internal Resistance | CI 7.12 IS 16048 (Part1): 2021 |
| 157. | | Measurement of the Internal AC Resistance | CI 7.12.2 IS 16048 (Part1): 2021 |
| 158. | | Measurement of the Internal DC Resistance | CI 7.12.3 IS 16048 (Part1): 2021 |

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|--------------------|--|--|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 159. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Secondary Sealed Cells and Batteries for Portable Applications – Part 1: Nickel-Cadmium | Cell And Battery Designation and Marking | CI 5 IEC 61951-1:2017+A1:2023 |
| 160. | | Marking | CI 5.3 IEC 61951-1:2017+A1:2023 |
| 161. | | Dimensions | CI 6 IEC 61951-1:2017+A1:2023 |
| 162. | | Charging Procedure for Test Purposes | CI 7.2 IEC 61951-1:2017+A1:2023 |
| 163. | | Charging Procedure for Cell | 7.2.1 IEC 61951-1:2017+A1:2023 |
| 164. | | Charging Procedure for Battery | CI 7.2.2 IEC 61951-1:2017+A1:2023 |
| 165. | | Discharge Performance | CL 7.3 IEC 61951-1:2017+A1:2023 |
| 166. | | Discharge Performance At 20 °C | CI 7.3.2 IEC 61951-1:2017+A1:2023 |
| 167. | | Discharge Performance for Batteries At 20 °C | CI 7.3.2.3 IEC 61951-1:2017+A1:2023 |
| 168. | | Discharge Performance At (-18 °C) | CL 7.3.3 IEC 61951-1:2017+A1:2023 |
| 169. | Discharge Performance for Rapid Charge Cells (R Cells) | CI 7.3.4 IEC 61951-1:2017+A1:2023 | |
| 170. | Charge (Capacity) Retention | CI 7.4 IEC 61951-1:2017+A1:2023 | |



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| Electrical Testing | | | | |
|--------------------|--|---|---|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 171. | Applications – Part 1: Nickel-Cadmium | Endurance | CI 7.5 IEC 61951-1:2017+A1:2023 | |
| 172. | | Endurance In Cycles | CI 7.5.1 IEC 61951-1:2017+A1:2023 | |
| 173. | | Cylindrical Cells (Accelerated Test Procedures) | CI 7.5.1.4 IEC 61951-1:2017+A1:2023 | |
| 174. | | Permanent Charge Endurance | CI 7.5.2 IEC 61951-1:2017+A1:2023 | |
| 175. | | Charge Acceptance at Constant Voltage | CI 7.6 IEC 61951-1:2017+A1:2023 | |
| 176. | | Overcharge | CI 7.7 IEC 61951-1: 2017+A1:2023 | |
| 177. | | Charge Acceptance At +55 °C For LT, MT or HT Cylindrical Cells | CI 7.10 IEC 61951-1:2017+A1:2023 | |
| 178. | | Applications – Part 1: Nickel-Cadmium | Internal Resistance | CL 7.12 IEC 61951-1:2017+A1:2023 |
| 179. | | | Measurement of the Internal AC Resistance | CI. 7.12.1 IEC 61951-1:2017+A1:2023 |
| 180. | | | Measurement of the Internal DC Resistance | CI 7.12.2 IEC 61951-1:2017+A1:2023 |
| 181. | Electrically Propelled Road Vehicles- Dimensions and | Shape of Construction and Constituent Parts of Secondary Lithium-Ion Cell | CI 4 IS 16827: 2018/(ISO/IEC PAS 16898: 2012) | |



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| Electrical Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 182. | Designation of Secondary Lithium-Ion Cells | Shape of Construction | CI 4.1 IS 16827: 2018/ ISO/IEC PAS 16898: 2012 |
| 183. | | Designation of Cell | CI 5 IS 16827: 2018/ ISO/IEC PAS 16898: 2012 |
| 184. | | Dimensions for The Selected Cell Design | CI 7 IS 16827: 2018/ ISO/IEC PAS 16898: 2012 |
| 185. | Household and Commercial Batteries | Short-Circuit | CI 9 UL 2054: 2022 |
| 186. | | Abnormal Charging | CI 10 UL 2054: 2022 |
| 187. | | Abusive Overcharge | CI 11 UL 2054: 2022 |
| 188. | | Forced Discharge | CI 12 UL 2054: 2022 |
| 189. | | Limited Power Source | CI 13 UL 2054: 2022 |
| 190. | | Battery Pack Component Temperature Test | CI 13A UL 2054: 2022 |
| 191. | | Battery Pack Surface Temp. | CI 13B UL 2054: 2022 |
| 192. | | Crush | CI 14 UL 2054: 2022 |
| 193. | | Impact | CI 15 UL 2054: 2022 |
| 194. | | Shock Test | CI 16 UL 2054: 2022 |

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|--------------------|------------------------------------|--------------------------|-------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 195. | | Vibration Test | CI 17 UL 2054: 2022 |
| 196. | | Battery Enclosure Tests | CI 18 UL 2054: 2022 |
| 197. | | 250 N Steady Force | CI 19 UL 2054: 2022 |
| 198. | | Mold Stress Relief | CI 20 UL 2054: 2022 |
| 199. | | Drop Impact | CI 21 UL 2054: 2022 |
| 200. | Household and Commercial Batteries | Heating | CI 23 UL 2054: 2022 |
| 201. | | Temperature Cycling | CI 24 UL 2054: 2022 |
| 202. | | External Short Circuit | CI 10 Edition 6 UL 1642: 2022 |
| 203. | Lithium Batteries | Abnormal Charging | CI 11 Edition 6 UL 1642: 2022 |
| 204. | | Forced Discharge | CI 12 Edition 6 UL 1642: 2022 |
| 205. | | Crush | CI 13 Edition 6 UL 1642: 2022 |
| 206. | | Impact | CI 14 Edition 6 UL 1642: 2022 |
| 207. | | Shock | CI 15 Edition 6 UL 1642: 2022 |
| 208. | | Vibration | CI 16 Edition 6 UL 1642: 2022 |

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| Electrical Testing | | | |
|--------------------|---|------------------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 209. | | Heating | CI 17 Edition 6 UL 1642: 2022 |
| 210. | | Temperature Cycling | CI 18 Edition 6 UL 1642: 2022 |
| 211. | | Low Pressure (Altitude Simulation) | CI 19 Edition 6 UL 1642: 2022 |
| 212. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolyte Portable Sealed Secondary Cells and Batteries Made from them, for use in Portable Application | Altitude Simulation | CI 38.3.4.1 UN 38.3 Eighth Revised Edition: 2023 |
| 213. | | Thermal Test | CI 38.3.4.2 UN 38.3 Eighth Revised Edition: 2023 |
| 214. | | Vibration Test | CI 38.3.4.3 UN 38.3 Eighth Revised Edition: 2023 |
| 215. | | Shock Test | CL 38.3.4.4 UN 38.3 Eighth Revised Edition: 2023 |
| 216. | | External Short Circuit Test | CI 38.3.4.5 UN 38.3 Eighth Revised Edition: 2023 |
| 217. | | Impact/Crush Test | CI 38.3.4.6 UN 38.3 Eighth Revised Edition: 2023 |
| 218. | | Overcharge Test | CI 38.3.4.7 UN 38.3 Eighth Revised Edition: 2023 |
| 219. | | Force Discharge Test | CI 38.3.4.8 UN 38.3 Eighth Revised Edition: 2023 |
| 220. | | | Insulation And Wiring |

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| Electrical Testing | | | |
|--------------------|--|--|--------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 221. | Secondary Cells and Batteries Containing Alkaline or Other | Temperature/Voltage/Current Management | CI 5.4 IS 16805/ IEC 62619: 2018 |
| 222. | Non-Acid Electrolytes- Safety | Terminal Contacts of the Battery Pack and/or Battery System | CI 5.5 IS 16805/ IEC 62619: 2018 |
| 223. | Requirements for Lithium Cells and Batteries, For use in | Assembly of Cells, Modules, or Battery Packs into Battery System | CI 5.6 IS 16805/ IEC 62619: 2018 |
| 224. | Industrial Applications | General | CI 5.6.1 IS 16805/ IEC 62619: 2018 |
| 225. | | Battery System Design | CI 5.6.2 IS 16805/ IEC 62619: 2018 |
| 226. | | Specific Requirements and Tests | CI 7 IS 16805/ IEC 62619: 2018 |
| 227. | Secondary Cells and Batteries Containing Alkaline or Other | Charging Procedures For Test Purposes | CI 7.1 IS 16805/ IEC 62619: 2018 |
| 228. | Non-Acid Electrolytes- Safety | Reasonably Foreseeable Misuse | CI 7.2 IS 16805/ IEC 62619: 2018 |
| 229. | Requirements for Lithium Cells and Batteries, For use in | External Short- Circuit Test (Cell or Cell Block) | CI 7.2.1 IS 16805/ IEC 62619: 2018 |
| 230. | Industrial Applications | Impact Test (Cell or Cell Block) | CI 7.2.2 IS 16805/ IEC 62619: 2018 |
| 231. | | Drop Test (Cell or Cell Block, and Battery System) | CI 7.2.3 IS 16805/ IEC 62619: 2018 |
| 232. | | Whole Drop Test (Cell or Cell Block and Battery System) | CI 7.2.3.2 IS 16805/ IEC 62619: 2018 |

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| Electrical Testing | | | |
|--------------------|---|--|--------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 233. | | Edge And Corner Drop Test (Cell or Cell Block, and Battery System) | CI 7.2.3.3 IS 16805/ IEC 62619: 2018 |
| 234. | | Thermal Abuse Test (Cell or Cell Block) | CI 7.2.4 IS 16805/ IEC 62619: 2018 |
| 235. | | Overcharge Test (Cell or Cell Block) | CI 7.2.5 IS 16805/ IEC 62619: 2018 |
| 236. | | Forced Discharge Test (Cell or Cell Block) | CI 7.2.6 IS 16805/ IEC 62619: 2018 |
| 237. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Safety Requirements for Lithium Cells and Batteries, For use in Industrial Applications | Internal Short Circuit Test (Cell) | CI 7.3.2 IS 16805/ IEC 62619: 2018 |
| 238. | | Propagation Test (Battery System) | CI 7.3.3 IS 16805/ IEC 62619: 2018 |
| 239. | | Battery System Safety (Considering Functional Safety) | CI 8 IS 16805/ IEC 62619: 2018 |
| 240. | | General Requirements | CI 8.1 IS 16805/ IEC 62619: 2018 |
| 241. | | Battery Management System (or Battery Management Unit) | CI 8.2 IS 16805/ IEC 62619: 2018 |
| 242. | | Requirements for the BMS | CI 8.2.1 IS 16805/ IEC 62619: 2018 |
| 243. | | Overcharge Control of Voltage (Battery System) | CI 8.2.2 IS 16805/ IEC 62619: 2018 |



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| Electrical Testing | | | |
|--------------------|--|--|------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 244. | | Overcharge Control of Current (Battery System) | CI 8.2.3 IS 16805/ IEC 62619: 2018 |
| 245. | | Overheating Control (Battery System) | CI 8.2.4 IS 16805/ IEC 62619: 2018 |
| 246. | | Information For Safety | CI 9 IS 16805/ IEC 62619: 2018 |
| 247. | | Marking And Designation | CI 10 IS 16805/ IEC 62619: 2018 |
| 248. | | Parameter Measurement Tolerances | CI 4 IS 16048 (Part 2): 2021 |
| 249. | | Cell And Battery Designation and Marking | CI 5 IS 16048 (Part 2): 2021 |
| 250. | Secondary Cells and Batteries Containing Alkaline or Other | Marking | CI 5.3 IS 16048 (Part 2): 2021 |
| 251. | Non-Acid Electrolytes- Secondary Sealed Cells and | Electrical Tests | CI 7 IS 16048 (Part 2): 2021 |
| 252. | Batteries for Portable Applications Part 2 Nickel- | Charging Procedure for Test Purposes | CI 7.2 IS 16048 (Part 2): 2021 |
| 253. | Metal Hydride | Charging Procedure for Cell | CI 7.2.1 IS 16048 (Part 2): 2021 |
| 254. | | Charging Procedure for Battery | CI 7.2.2 IS 16048 (Part 2): 2021 |
| 255. | | Discharge Performance | CI 7.3 IS 16048 (Part 2): 2021 |

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| Electrical Testing | | | |
|--------------------|---|---|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 256. | | Discharge Performance at 20 °C | CI 7.3.2 IS 16048 (Part 2): 2021 |
| 257. | | Discharge Performance for Cell at 20 °C | CI. 7.3.2.2 IS 16048 (Part 2): 2021 |
| 258. | | Discharge Performance for Batteries At 20 °C | CI 7.3.2.3 IS 16048 (Part 2): 2021 |
| 259. | | Discharge Performance At 0°C | CI 7.3.3 IS 16048 (Part 2): 2021 |
| 260. | | Discharge Performance for Rapid Charge Cells (R Cells) | CI. 7.3.4 IS 16048 (Part 2): 2021 |
| 261. | | Charge (Capacity)Retention | CI 7.4 IS 16048 (Part 2): 2021 |
| 262. | | Endurance | CI 7.5 IS 16048 (Part 2): 2021 |
| 263. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Secondary Sealed Cells and Batteries for Portable Applications Part 2 Nickel- Metal Hydride | Charge Acceptance at Constant Voltage | CI 7.6 IS 16048 (Part 2): 2021 |
| 264. | | Overcharge | CI 7.7 IS 16048 (Part 2): 2021 |
| 265. | | Surface Temperature Limitation Device Operation (For S Cell Only) | CI 7.9 IS 16048 (Part 2): 2021 |
| 266. | | Storage | CI 7.9 IS 16048 (Part 2): 2021 |
| 267. | | Charge Acceptance at +55 °C For LT, MT or HT Cylindrical Cells | CI 7.11 IS 16048 (Part 2): 2021 |
| 268. | | Trickle Charge Acceptance for JT Cylindrical Cells | CI 7.12 IS 16048 (Part 2): 2021 |

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| Electrical Testing | | | |
|--------------------|--|--|------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 269. | | Internal Resistance | Cl. 7.13 IS 16048 (Part 2): 2021 |
| 270. | | Measurement of the Internal AC Resistance | Cl 7.13.2 IS 16048 (Part 2): 2021 |
| 271. | | Measurement of the Internal DC Resistance | Cl 7.13.3 IS 16048 (Part 2): 2021 |
| 272. | | Mechanical Tests | Cl 8 IS 16048 (Part 2): 2021 |
| 273. | | Safety Requirements | Cl 9 IS 16048 (Part 2): 2021 |
| 274. | | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Secondary Sealed Cells and Batteries for Portable Applications Part 2 Nickel-Metal Hydride | Type Approval and Batch Acceptance |
| 275. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Secondary Lithium Cells and Batteries for use In Industrial Applications | Parameter Measurement and Tolerances | Cl 4 IS 16822 / IEC 62620: 2019 |
| 276. | | Marking And Designation | Cl 5 IS 16822 / IEC 62620: 2019 |
| 277. | | Marking | Cl 5.1 IS 16822 / IEC 62620: 2019 |
| 278. | | Cell Designation | Cl 5.2 IS 16822 / IEC 62620: 2019 |
| 279. | | Battery Designation | Cl 5.3 IS 16822 / IEC 62620: 2019 |

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|--------------------|--|---|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 280. | | Electrical Tests | CI 6 IS 16822 / IEC 62620 : 2019 |
| 281. | | General | CI 6.1 IS 16822 / IEC62620 : 2019 |
| 282. | | Charging Procedure For Test Purposes | CI 6.2 IS 16822 / IEC62620 : 2019 |
| 283. | | Discharge Performance | CI 6.3 IS 16822 / IEC62620 : 2019 |
| 284. | | Discharge Performance At +25°C | CI 6.3.1 IS 16822 / IEC62620 : 2019 |
| 285. | | Discharge Performance at Low Temperature | CI 6.3.2 IS 16822 / IEC 62620: 2019 |
| 286. | | High-Rate Permissible Current | CI 6.3.3 IS 16822 / IEC62620 : 2019 |
| 287. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Secondary Lithium Cells and Batteries for use In Industrial Applications | Charge (Capacity) Retention and Recovery | CI 6.4 IS 16822 / IEC62620 : 2019 |
| 288. | | Cell And Battery Internal Resistance | CI 6.5 IS 16822 / IEC62620 : 2019 |
| 289. | | Measurement of the Internal AC Resistance | CI 6.5.2 IS 16822 / IEC62620 : 2019 |
| 290. | | Measurement of the Internal D.C. Resistance | CI 6.5.3 IS 16822 / IEC62620 : 2019 |
| 291. | | Endurance | CI 6.6 IS 16822 / IEC62620 : 2019 |
| 292. | | Endurance In Cycles | CI 6.6.1 IS 16822 / IEC62620 : 2019 |



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|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 293. | | Endurance InStorage at Constant Voltage(Permanent Charge Life) | CI 6.6.2 IS 16822 / IEC62620 : 2019 |
| 294. | | Type Test Conditions | CI 7 IS 16822 / IEC62620 : 2019 |
| 295. | | General | CI 7.1 IS 16822 / IEC62620 : 2019 |
| 296. | | Sample Size | CI 7.2 IS 16822 / IEC62620 : 2019 |
| 297. | | Conditions For Type Approval | CI 7.3 IS 16822 / IEC62620 : 2019 |
| 298. | Secondary Cells and Batteries Containing Alkaline or Other Non-AcidElectrolytes- | Dimensions | CI 7.3.1 IS 16822 / IEC 62620: 2019 |
| 299. | Secondary Lithium Cells and Batteries for use In Industrial Applications | Electrical Tests | CI 7.3.2 IS 16822 / IEC 62620: 2019 |
| 300. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — | Parameter Measurement Tolerances | CL 4 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 301. | Secondary Lithium Cells and Batteries for Portable Applications Part 3 Prismatic | Cell Designation and Marking | CI 5 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 302. | and Cylindrical Lithium Secondary Cells, and Batteries | Cell And BatteryDesignation | CI 5.1 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 303. | | Marking | CI 5.2 IS 16047 (Part 3)/IEC 61960-3: 2018 |



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|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 304. | Made From Them | Providing The Design and Produce Requirement of Batteries | CI 5.3 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 305. | | Electrical Tests | CI 7.1 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 306. | | Charging Procedure for Test Purposes | CL 7.2 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 307. | | Discharge Performance | CI 7.3 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 308. | | Discharge Performance At 20 °C (Rated Capacity) | CI 7.3.1 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 309. | | Discharge Performance At -20 °C | CI 7.3.2 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 310. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — | High-Rate Discharge Performance At 20 °C | CI 7.3.3 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 311. | Secondary Lithium Cells and Batteries for Portable Applications Part 3 Prismatic and Cylindrical Lithium | Charge (Capacity) Retention and Recovery | CI 7.4 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 312. | | Charge (Capacity) Recovery After Long Term Storage | CI 7.5 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 313. | Secondary Cells, and Batteries Made From Them | Endurance In Cycles | CL 7.6 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 314. | | Endurance In Cycles at A Rate of 0,2 It A | CI 7.6. 2 IS 16047 (Part3)/IEC 61960-3:2018 |



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|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 315. | | Endurance In Cycles at A Rate of 0,5 It A (Accelerated Test Procedure) | CI 7.6.3 IS 16047 (Part 3)/IEC 61960-3:2018 |
| 316. | | Battery Internal Resistance | CI 7.7 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 317. | | Measurement of the Internal AC Resistance | CI 7.7.2 IS 16047 (Part 3)/IEC 61960-3:2018 |
| 318. | | Measurement of the Internal DC Resistance | CL 7.7.3 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 319. | | Electrical Tests | CI 8.2.2 IS 16047 (Part 3)/IEC 61960-3: 2018 |
| 320. | | Parameter Measurement Tolerances | CI 4 IEC 61951-2:2017+A1: 2022 |
| 321. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Secondary Sealed Cells and Batteries for Portable Applications –Part 2: Nickel-Metal Hydride | Cell And Battery Designation and Marking | CI 5 IEC 61951-2:2017+A1: 2022 |
| 322. | | Marking | CI 5.3 IEC 61951-2:2017+A1: 2022 |
| 323. | | Dimensions | CI 6 IEC 61951-2:2017+A1: 2022 |
| 324. | | Electrical Tests | CI 7 IEC 61951-2:2017+A1: 2022 |
| 325. | | Charging Procedure for Test Purposes | CI 7.2 IEC 61951-2:2017+A1: 2022 |
| 326. | | Charging Procedure for Cell | CI. 7.2.1 IEC 61951-2:2017+A1: 2022 |



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| Electrical Testing | | | |
|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 327. | | Charging Procedure for Battery | Cl. 7.2.2 IEC 61951-2:2017+A1: 2022 |
| 328. | | Discharge Performance | Cl 7.3 IEC 61951-2:2017+A1: 2022 |
| 329. | | Discharge Performance At 20 °C | CL 7.3.2 IEC 61951-2:2017+A1: 2022 |
| 330. | | Discharge Performance for Cells At 20 °C | Cl 7.3.2.2 IEC 61951-2:2017+A1: 2022 |
| 331. | | Discharge Performance for Batteries At 20 °C | Cl. 7.3.2.3 IEC 61951-2: 2017+A1: 2022 |
| 332. | | Discharge Performance At 0°C | CL 7.3.3 IEC 61951-2:2017+A1: 2022 |
| 333. | Non-Acid Electrolytes – Secondary Sealed Cells and Batteries for Portable Applications –Part 2: Nickel-Metal Hydride | Discharge Performance for Rapid Charge Cells (R Cells) | CL 7.3.4 IEC 61951-2:2017+A1: 2022 |
| 334. | | Charge (Capacity) Retention | Cl 7.4 IEC 61951-2:2017+A1: 2022 |
| 335. | Secondary Cells and Batteries Containing Alkaline or Other | Endurance | Cl 7.5 IEC 61951-2:2017+A1: 2022 |
| 336. | Non-Acid Electrolytes – Secondary Sealed Cells and Batteries for Portable Applications –Part 2: Nickel- | Endurance In Cycles | Cl 7.5.1 IEC 61951-2:2017+A1: 2022 |
| 337. | | Permanent Charge Endurance | Cl 7.5.2 IEC 61951-2:2017+A1: 2022 |



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| Electrical Testing | | | |
|--------------------|---|---|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 338. | Metal Hydride | Charge Acceptance at Constant Voltage | CI 7.6 IEC 61951-2:2017+A1: 2022 |
| 339. | | Overcharge | CI 7.7 IEC 61951-2:2017+A1: 2022 |
| 340. | | Safety Device Operation | CI 7.8 IEC 61951-2:2017+A1: 2022 |
| 341. | | Surface Temperature Limitation Device Operation (For S Cell Only) | CI 7.9 IEC 61951-2:2017+A1: 2022 |
| 342. | | Charge Acceptance At +55 °C For LT, MT Or HT Cylindrical Cells | CI 7.11 IEC 61951-2: 2017+A1: 2022 |
| 343. | | Trickle Charge Acceptance for JT Cylindrical Cells | CI 7.12 IEC 61951-2: 2017+A1: 2022 |
| 344. | | | Internal Resistance |
| 345. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Secondary Sealed Cells and Batteries for Portable Applications –Part 2: Nickel-Metal Hydride | Measurement of the Internal AC Resistance | CL 7.13.2 IEC 61951-2:2017+A1: 2022 |
| 346. | | Measurement of the Internal DC Resistance | CI 7.13.3 IEC 61951-2:2017+A1: 2022 |
| 347. | | Mechanical Tests | CL 8 IEC 61951-2:2017+A1: 2022 |
| 348. | | Safety Requirements | CL 9 IEC 61951-2:2017+A1: 2022 |
| 349. | | Type Approval and Batch Acceptance | CL 10 IEC 61951-2:2017+A1: 2022 |

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| Electrical Testing | | | |
|--------------------|---|--|------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 350. | Secondary Cells and Batteries for Solar Photovoltaic Application General Requirements and Methods of Test | Photovoltaic Energy System | CL 4.1 IS 16270: 2023+A1: 2025 |
| 351. | | Secondary Cells and Batteries | CL 4.2 IS 16270: 2023 A1: 2025 |
| 352. | | Material And Constructions | CL 4.2.1 IS 16270: 2023 A1: 2025 |
| 353. | | General OperatingCondition | CL 4.3 IS 16270: 2023 A1: 2025 |
| 354. | | Autonomy Time | CL 4.3.1 IS 16270: 2023 A1: 2025 |
| 355. | | Typical Charge and Discharge Currents | CL 4.3.2 IS 16270: 2023 A1: 2025 |
| 356. | | Daily Cycle | CL 4.3.3 IS 16270: 2023 A1: 2025 |
| 357. | | Seasonal Cycle | CL 4.3.4 IS 16270: 2023 A1: 2025 |
| 358. | | Period Of HighState of Charge | CL 4.3.5 IS 16270: 2023 A1: 2025 |
| 359. | | Period For Sustained Low State of Charge | CL 4.3.6 IS 16270: 2023 A1: 2025 |
| 360. | | Electrolyte Stratification | CL 4.3.7 IS 16270: 2023 A1: 2025 |
| 361. | | Specific Gravity | CL 4.3.7.1 IS 16270: 2023 A1: 2025 |
| 362. | | Operating Temperature | CL 4.3.9 IS 16270: 2023 A1: 2025 |



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| Electrical Testing | | | |
|--------------------|---|---|-----------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 363. | Secondary Cells and Batteries for Solar Photovoltaic Application General Requirements And Methods of Test | Charge Control | CL 4.3.10 IS 16270: 2023 A1: 2025 |
| 364. | | Physical Protection. | CL 4.3.11 IS 16270: 2023 A1: 2025 |
| 365. | | Mechanical Endurance | CL 5.1 IS 16270: 2023 A1: 2025 |
| 366. | | Charge Efficiency | CL 5.2 IS 16270: 2023 A1: 2025 |
| 367. | | Deep Discharge Protection | CL 5.3 IS 16270: 2023 A1: 2025 |
| 368. | | Marking | CL 5.4 IS 16270: 2023 A1: 2025 |
| 369. | | Functional Characteristics | CL 6 IS 16270: 2023 A1: 2025 |
| 370. | | General Test conditions | CL 7 IS 16270: 2023 A1: 2025 |
| 371. | | Capacity Test | CI 8.1 IS 16270: 2023 A1: 2025 |
| 372. | | Endurance Test | CI 8.2 IS 16270: 2023 A1: 2025 |
| 373. | | Charge Retention Test | CI 8.3 IS 16270: 2023 A1: 2025 |
| 374. | | Cycling Endurance in Photovoltaic Applications (Extreme Conditions) | CI 8.4 IS 16270: 2023 A1: 2025 |
| 375. | | Sulphation Test (Applicable for Lead Acid Battery Only) | CI 8.5 IS 16270: 2023 A1: 2025 |

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| Electrical Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 376. | | Water Loss Test (Valid for Flooded Lead Acid Batteries Only) | Cl 8.6 IS 16270: 2023 A1: 2025 |
| 377. | | Acceptance Test | Cl 9.2 IS 16270: 2023 A1: 2025 |
| 378. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 2 Reliability and Abuse Testing | Voltage Measurement | Cl. 4.2.2 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 379. | | Current Measurement | Cl. 4.2.3 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 380. | | Temperature Measurements | Cl. 4.2.4 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 381. | | Other Measurements | Cl. 4.2.5 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 382. | | Tolerance | Cl. 4.3 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 383. | | Test Temperature | Cl. 4.4 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 384. | | Electrical Measurement | Cl. 5 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 385. | | Capacity | Cl. 5.2 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 386. | | SOC Adjustment | Cl. 5.3 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 387. | | Reliability And Abuse Tests | Cl. 6 IS 16893 (Part 2) / IEC 62660-2:2018 |

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| Electrical Testing | | | |
|--------------------|-------------------------------|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 388. | | Mechanical Test | Cl. 6.1 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 389. | | Vibration | Cl. 6.1.1 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 390. | | Mechanical Shock | Cl. 6.1.2 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 391. | | Crush | Cl. 6.1.3 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 392. | | Thermal Test | Cl. 6.2 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 393. | | High Temperature Endurance | Cl. 6.2.1 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 394. | | Temperature Cycling | Cl. 6.2.2 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 395. | | Test Without Electrical Operation | Cl. 6.2.2.1.1 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 396. | | Test With Electrical Operation | Cl. 6.2.2.1.2 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 397. | | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 2 | Electrical Test |
| 398. | Reliability and Abuse Testing | External Short Circuit | Cl. 6.3.1 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 399. | | Overcharge | Cl. 6.3.2 IS 16893 (Part 2) / IEC 62660-2:2018 |

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| Electrical Testing | | | |
|--------------------|--|----------------------------|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 400. | | Forced Discharge | Cl. 6.3.3 IS 16893 (Part 2) / IEC 62660-2:2018 |
| 401. | | Range Of Measuring Devices | Cl. 4.2.1 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 402. | | Voltage Measurement | Cl. 4.2.2 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 403. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 3 Safety Requirements | Current Measurement | Cl. 4.2.3 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 404. | | Temperature Measurements | Cl. 4.2.4 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 405. | | Other Measurements | Cl. 4.2.5 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 406. | | Tolerance | Cl. 4.3 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 407. | | Test Temperature | Cl. 4.4 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 408. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 3 Safety Requirements | Electrical Measurement | Cl. 5 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 409. | | Capacity | Cl. 5.2 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 410. | | SOC Adjustment | Cl. 5.3 IS 16893 (Part 3)/ IEC 62660-3:2018 |
| 411. | | Safety Tests | Cl. 6 IS 16893 (Part 3)/ IEC 62660- 3:2018 |

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| Electrical Testing | | | | |
|--------------------|-----------------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 412. | | Mechanical Tests | Cl. 6.2 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 413. | | Vibration | Cl. 6.2.1 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 414. | | Mechanical Shock | Cl. 6.2.2 IS 16893 (Part 3)/ IEC 62660-3:2018 | |
| 415. | | Crush | Cl. 6.2.3 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 416. | | Thermal Test | Cl. 6.3 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 417. | | High Temperature Endurance | Cl. 6.3.1 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 418. | | Temperature Cycling | Cl. 6.3.2 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 419. | | Electrical Tests | Cl. 6.4 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 420. | | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 3 Safety Requirements | External Short Circuit | Cl. 6.4.1 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 421. | | | Overcharge | Cl. 6.4.2 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 422. | Forced Discharge | | Cl. 6.4.3 IS 16893 (Part 3) / IEC 62660-3:2018 | |
| 423. | Internal Short Circuit Test | | Cl. 6.4.4 IS 16893 (Part 3) / IEC 62660-3:2018 | |

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| Electrical Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 424. | | Forced Internal Short Circuit Test | Cl. 6.4.4.2.1 IS 16893 (Part 3) / IEC 62660-3:2018 |
| 425. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells and for Batteries Made From Them for use In Portable Applications Part 1 Nickel Systems | Parameter Measurement Tolerances | Cl.4 IS 16046 (Part1):2018 + A1: 2020 |
| 426. | | General Safety Considerations | Cl.5 IS 16046 (Part1):2018 + A1: 2020 |
| 427. | | General | Cl.5.1 IS 16046 (Part1):2018 +A1: 2020 |
| 428. | | Insulation And Wiring | Cl.5.2 IS 16046 (Part1): 2018 + A1: 2020 |
| 429. | | Venting | Cl.5.3 IS 16046 (Part1): 2018 + A1: 2020 |
| 430. | | Temperature, Voltage and Current Management | Cl.5.4 IS 16046 (Part1): 2018 + A1: 2020 |
| 431. | | Terminal Contacts | Cl.5.5 IS 16046 (Part1): 2018 + A1: 2020 |
| 432. | | Assembly of Cells into Batteries | Cl.5.6 IS 16046 (Part1): 2018 + A1: 2020 |
| 433. | | Quality Plan | Cl.5.7 IS 16046 (Part1): 2018 + A1: 2020 |
| 434. | | Type Test and Sample Size | Cl.6 IS 16046 (Part1): 2018 + A1: 2020 |
| 435. | Specific Requirements and Tests | Cl. 7 IS 16046 (Part1):2018 + A1: 2020 | |

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|--------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 436. | | Charging Procedure for Test Purposes | Cl. 7.1 IS 16046 (Part1): 2018 + A1: 2020 |
| 437. | | Intended Use | Cl. 7.2 IS 16046 (Part1): 2018 + A1: 2020 |
| 438. | | Continuous Low-Rate Charging (Cells) | Cl. 7.2.1 IS 16046 (Part1): 2018 + A1: 2020 |
| 439. | | Vibration | Cl. 7.2.2 IS 16046 (Part1): 2018 + A1: 2020 |
| 440. | | Case Stress at High Ambient Temperature (Batteries) | Cl. 7.2.3 IS 16046 (Part1):2018 + A1: 2020 |
| 441. | | Temperature Cycling | Cl. 7.2.4 IS 16046 (Part1):2018 + A1: 2020 |
| 442. | | Reasonably Foreseeable Misuse | Cl. 7.3 IS 16046 (Part1): 2018 + A1: 2020 |
| 443. | Secondary Cells and Batteries Containing Alkaline or Other | Incorrect Installation (Cells) | Cl. 7.3.1 IS 16046 (Part1):2018 + A1: 2020 |
| 444. | Non-Acid Electrolytes - Safety Requirements for Portable | External Short Circuit | Cl. 7.3.2 IS 16046 (Part1):2018 + A1: 2020 |
| 445. | Sealed Secondary Cells and for Batteries Made from | Free Fall | Cl. 7.3.3 IS 16046 (Part1): 2018 + A1: 2020 |
| 446. | Them for use In Portable Applications Part 1 Nickel | Mechanical Shock (Crash Hazard) | Cl. 7.3.4 IS 16046 (Part1):2018 + A1: 2020 |
| 447. | Systems | Thermal Abuse (Cells) | Cl. 7.3.5 IS 16046 (Part1):2018 + A1: 2020 |

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|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 448. | | Crushing Of Cells | Cl. 7.3.6 IS 16046 (Part1):2018 + A1: 2020 |
| 449. | | Low Pressure (Cells) | Cl. 7.3.7 IS 16046 (Part1): 2018 + A1: 2020 |
| 450. | | Overcharge | Cl. 7.3.8 IS 16046 (Part1):2018 + A1: 2020 |
| 451. | | Forced Discharge (Cells) | Cl. 7.3.9 IS 16046 (Part1): 2018 + A1: 2020 |
| 452. | | General | Cl. 8.1 IS 16046 (Part1): 2018 + A1: 2020 |
| 453. | | Small Cell and Battery Safety Information | Cl. 8.2 IS 16046 (Part1): 2018 + A1: 2020 |
| 454. | | Marking | Cl. 9 IS 16046 (Part1): 2018 + A1: 2020 |
| 455. | Secondary Cells and Batteries Containing Alkaline or Other | Cell Marking | Cl. 9.1 IS 16046 (Part1): 2018 + A1: 2020 |
| 456. | Non-Acid Electrolytes - Safety Requirements for Portable | Battery Marking | Cl. 9.2 IS 16046 (Part1): 2018 + A1: 2020 |
| 457. | Sealed Secondary Cells and for Batteries Made from | Caution For Ingestion of Small Cells and Batteries | Cl. 9.3 IS 16046 (Part1):2018 + A1: 2020 |
| 458. | Them for use In Portable Applications Part 1 Nickel | Packaging | Cl. 10 IS 16046 (Part1):2018 + A1: 2020 |



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|--------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 459. | Systems | Recommendations To Equipment Manufacturers and Battery Assemblers | Annex A IS 16046 (Part1): 2018 + A1: 2020 |
| 460. | | Recommendations To the End-Users | Annex B IS 16046 (Part1):2018 + A1: 2020 |
| 461. | | General Safety Considerations | Cl.5 IEC 62133-1: 2017 |
| 462. | | General | Cl. 5.1 IEC 62133-1: 2017 |
| 463. | | Insulation And Wiring | Cl.5.2 IEC 62133-1: 2017 |
| 464. | | Venting | Cl.5.3 IEC 62133-1: 2017 |
| 465. | | Temperature, Voltage and Current Management | Cl.5.4 IEC 62133-1: 2017 |
| 466. | Secondary Cells and Batteries Containing Alkaline or Other | Terminal Contacts | Cl.5.5 IEC 62133-1: 2017 |
| 467. | Non-Acid Electrolytes - Safety Requirements for Portable | Assembly Of Cells into Batteries | Cl.5.6 IEC 62133-1 : 2017 |
| 468. | Sealed Secondary Cells and for Batteries Made from | Type Test and Sample Size | Cl.6 IEC 62133-1 : 2017 |
| 469. | Them for Use in Portable Applications Part 1 Nickel | Specific Requirements and Tests | Cl. 7 IEC 62133-1: 2017 |

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Valid until: 02 February 2028

Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | | |
|--------------------|---------------------------------|--|-----------------------------|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 470. | Systems | Charging Procedure for Test Purposes | Cl. 7.1 IEC 62133-1: 2017 | |
| 471. | | Intended Use | Cl. 7.2 IEC 62133-1: 2017 | |
| 472. | | Continuous Low-Rate Charging (Cells) | Cl. 7.2.1 IEC 62133-1: 2017 | |
| 473. | | Vibration | Cl. 7.2.2 IEC 62133-1: 2017 | |
| 474. | | Case Stress at High Ambient Temperature (Batteries) | Cl. 7.2.3 IEC 62133-1: 2017 | |
| 475. | | Temperature Cycling | Cl. 7.2.4 IEC 62133-1: 2017 | |
| 476. | | Reasonably Foreseeable Misuse | Cl. 7.3 IEC 62133-1: 2017 | |
| 477. | | Incorrect Installation (Cells) | Cl. 7.3.1 IEC 62133-1: 2017 | |
| 478. | | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells and for Batteries Made from Them for Use in Portable Applications Part 1 Nickel | External Short Circuit | Cl. 7.3.2 IEC 62133-1: 2017 |
| 479. | | | Free Fall | Cl. 7.3.3 IEC 62133-1: 2017 |
| 480. | Mechanical Shock (Crash Hazard) | | Cl. 7.3.4 IEC 62133-1: 2017 | |
| 481. | Thermal Abuse (Cells) | | Cl. 7.3.5 IEC 62133-1: 2017 | |
| 482. | Low Pressure (Cells) | | Cl. 7.3.7 IEC 62133-1: 2017 | |

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| Electrical Testing | | | |
|--------------------|-----------------------------|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 483. | Systems | Overcharge | Cl. 7.3.8 IEC 62133-1: 2017 |
| 484. | | Forced Discharge (Cells) | Cl. 7.3.9 IEC 62133-1: 2017 |
| 485. | | Information For Safety | Cl. 8 IEC 62133-1: 2017 |
| 486. | | General | Cl. 8.1 IEC 62133-1: 2017 |
| 487. | | Small Cell and Battery Safety Information | Cl. 8.2 IEC 62133-1: 2017 |
| 488. | | Marking | Cl. 9 IEC 62133-1: 2017 |
| 489. | | Cell Marking | Cl. 9.1 IEC 62133-1: 2017 |
| 490. | | Battery Marking | Cl. 9.2 IEC 62133-1: 2017 |
| 491. | | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — Safety Requirements for Portable Sealed Secondary Cells and For Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | Caution For Ingestion of Small Cells and Batteries |



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| Electrical Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 492. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — Safety Requirements for Portable Sealed Secondary Cells and For Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | Packaging | Cl. 10 IEC 62133-1: 2017 |
| 493. | | Recommendations To Equipment Manufacturers and Battery Assemblers | Annex A IEC 62133-1: 2017 |
| 494. | | Recommendations To the End-Users | Annex B IEC 62133-1: 2017 |
| 495. | | Parameter Measurement Tolerances | Cl. 4 IS 16046 (Part2) :2018 +A1: 2020 |
| 496. | | General Safety Considerations | Cl. 5 IS 16046 (Part2) :2018 +A1: 2020 |
| 497. | | General | Cl. 5.1 IS 16046 (Part2):2018 +A1: 2020 |
| 498. | | Insulation And Wiring | Cl. 5.2 IS 16046 (Part2):2018+ A1 : 2020 |
| 499. | | Venting | Cl. 5.3 IS 16046 (Part2):2018+ A1 : 2020 |
| 500. | | Temperature, Voltage and Current Management | Cl. 5.4 IS 16046 (Part2):2018+ A1 : 2020 |
| 501. | | Terminal Contacts | Cl. 5.5 IS 16046 (Part2): 2018 + A1 : 2020 |
| 502. | Assembly Of Cells into Batteries | Cl. 5.6 IS 16046 (Part2):2018+ A1 : 2020 | |

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| Electrical Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 503. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — Safety Requirements for Portable Sealed Secondary Cells and For Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | General | Cl. 5.6.1 IS 16046 (Part2):2018+ A1 : 2020 |
| 504. | | Design Recommendation | Cl. 5.6.2 IS 16046 (Part2):2018+ A1 : 2020 |
| 505. | | Mechanical Protection for Cells and Components of Batteries | Cl. 5.6.3 IS 16046 (Part2):2018+ A1 : 2020 |
| 506. | | Quality Plan | Cl. 5.7 IS 16046 (Part2): 2018+ A1 : 2020 |
| 507. | | Battery Safety Components | Cl. 5.8 IS 16046 (Part2):2018+A1 : 2020 |
| 508. | | Type Test and Sample Size | Cl. 6 IS 16046 (Part2):2018+A1 : 2020 |
| 509. | | Specific Requirements and Tests | Cl. 7 IS 16046 (Part2):2018+A1 : 2020 |
| 510. | | Charging Procedures for Test Purposes | Cl. 7.1 IS 16046 (Part2):2018+A1 : 2020 |
| 511. | | First Procedure | Cl. 7.1.1 IS 16046 (Part2):2018+A1 : 2020 |
| 512. | | Second Procedure | Cl. 7.1.2 IS 16046 (Part2):2018+A1 : 2020 |
| 513. | | Intended Use | Cl. 7.2 IS 16046 (Part2):2018+A1 : 2020 |
| 514. | | Continuous Charging at Constant Voltage (Cells) | Cl. 7.2.1 IS 16046 (Part2):2018+A1 : 2020 |

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| Electrical Testing | | | |
|--------------------|---|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 515. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — Safety Requirements for Portable Sealed Secondary Cells and For Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | Case Stress at High Ambient Temperature (Battery) | Cl. 7.2.2 IS 16046 (Part2):2018+A1: 2020 |
| 516. | | Reasonably Foreseeable Misuse | Cl. 7.3 IS 16046 (Part2):2018+A1: 2020 |
| 517. | | External Short-Circuit (Cell) | Cl. 7.3.1 IS 16046(Part2):2018+A1 : 2020 |
| 518. | | External Short-Circuit (Battery) | Cl. 7.3.2 IS 16046 (Part2):2018+A1 : 2020 |
| 519. | | Free Fall | Cl. 7.3.3 IS 16046 (Part2):2018+A1 : 2020 |
| 520. | | Thermal Abuse (Cells) | Cl. 7.3.4 IS 16046 (Part2):2018+A1 : 2020 |
| 521. | | Crush (Cells) | Cl. 7.3.5 IS 16046 (Part2):2018+A1 : 2020 |
| 522. | | Over-Charging of Battery | Cl. 7.3.6 IS 16046 (Part2):2018+A1 : 2020 |
| 523. | | Forced Discharge (Cells) | Cl. 7.3.7 IS 16046 (Part2):2018+A1 : 2020 |
| 524. | | Mechanical Tests (Batteries) | Cl. 7.3.8 IS 16046 (Part2):2018+A1 : 2020 |
| 525. | | Vibration | Cl. 7.3.8.1 IS 16046 (Part2):2018+A1 : 2020 |
| 526. | | Mechanical Shock | Cl. 7.3.8.2 IS 16046 (Part2):2018+A1 : 2020 |

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| Electrical Testing | | | | |
|--------------------|---|---|---|----------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 527. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes — Safety Requirements for Portable Sealed Secondary Cells and For Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | Information For Safety | Cl. 8 IS 16046 (Part2):2018+A1 : 2020 | |
| 528. | | General | Cl. 8.1 IS 16046 (Part2):2018+A1 : 2020 | |
| 529. | | Small Cell and Battery Safety Information | Cl. 8.2 IS 16046 (Part2):2018+A1 : 2020 | |
| 530. | | Marking | Cl. 9 IS 16046 (Part2):2018+A1 : 2020 | |
| 531. | | Cell Marking | Cl. 9.1 IS 16046 (Part2):2018+A1: 2020 | |
| 532. | | Battery Marking | Cl. 9.2 IS 16046 (Part2):2018+A1: 2020 | |
| 533. | | Caution For Ingestion of Small Cells and Batteries | Cl. 9.3 IS 16046 (Part2):2018+A1 : 2020 | |
| 534. | | Packaging And Transport | Cl. 10 IS 16046 (Part2):2018+A1 : 2020 | |
| 535. | | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety | Parameter Measurement Tolerances | Cl. 4 IEC 62133-2: 2017+A1: 2021 |
| 536. | | Requirements for Portable Sealed Secondary Cells and for Batteries Made from Them for Use in Portable | General Safety Considerations | Cl. 5 IEC 62133-2: 2017+A1: 2021 |
| 537. | | General | Cl. 5.1 IEC 62133-2 : 2017+A1: 2021 | |
| 538. | | Insulation And Wiring | Cl. 5.2 IEC 62133-2: 2017+A1: 2021 | |

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| Electrical Testing | | | | |
|--------------------|-------------------------------------|---|---|--------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 539. | Applications Part 2 Lithium Systems | Venting | Cl. 5.3 IEC 62133-2: 2017+A1: 2021 | |
| 540. | | Temperature, Voltage and Current Management | Cl. 5.4 IEC 62133-2: 2017+A1: 2021 | |
| 541. | | Terminal Contacts | Cl. 5.5 IEC 62133-2: 2017+A1: 2021 | |
| 542. | | Assembly Of Cells into Batteries | Cl. 5.6 IEC 62133-2: 2017+A1: 2021 | |
| 543. | | General | Cl. 5.6.1 IEC 62133-2: 2017+A1: 2021 | |
| 544. | | Design Recommendation | Cl. 5.6.2 IEC 62133-2 : 2017+A1: 2021 | |
| 545. | | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety | Mechanical Protection for Cells and Components of Batteries | Cl. 5.6.3 IEC 62133-2: 2017+A1: 2021 |
| 546. | | Requirements for Portable Sealed Secondary Cells and for Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | Quality Plan | Cl. 5.7 IEC 62133-2 : 2017+A1: 2021 |
| 547. | | | Battery Safety Components | Cl. 5.8 IEC 62133-2 : 2017+A1: 2021 |
| 548. | | | Type Test and Sample Size | Cl. 6 IEC 62133-2 : 2017+A1: 2021 |
| 549. | | Specific Requirements and Tests | Cl. 7 IEC 62133-2 : 2017+A1: 2021 | |
| 550. | | Charging Procedures for Test Purposes | Cl. 7.1 IEC 62133-2 : 2017+A1: 2021 | |

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| Electrical Testing | | | |
|--------------------|---|---|---------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 551. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells and for Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | First Procedure | Cl. 7.1.1 IEC 62133-2 : 2017+A1: 2021 |
| 552. | | Second Procedure | Cl. 7.1.2 IEC 62133-2 : 2017+A1: 2021 |
| 553. | | Intended Use | Cl. 7.2 IEC 62133-2 : 2017+A1: 2021 |
| 554. | | Continuous Charging at Constant Voltage (Cells) | Cl. 7.2.1 IEC 62133-2 : 2017+A1: 2021 |
| 555. | | Case Stress at High Ambient Temperature (Battery) | Cl. 7.2.2 IEC 62133-2 : 2017+A1: 2021 |
| 556. | | Reasonably Foreseeable Misuse | Cl. 7.3 IEC 62133-2: 2017+A1: 2021 |
| 557. | | External Short-Circuit (Cell) | Cl. 7.3.1 IEC 62133-2 : 2017+A1: 2021 |
| 558. | | External Short-Circuit (Battery) | Cl. 7.3.2 IEC 62133-2 : 2017+A1: 2021 |
| 559. | | Free Fall | Cl. 7.3.3 IEC 62133-2 : 2017+A1: 2021 |
| 560. | | Thermal Abuse (Cells) | Cl. 7.3.4 IEC 62133-2 : 2017+A1: 2021 |
| 561. | | Crush (Cells) | Cl. 7.3.5 IEC 62133-2 : 2017+A1: 2021 |
| 562. | | Over-Charging of Battery | Cl. 7.3.6 IEC 62133-2 : 2017+A1: 2021 |

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| Electrical Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 563. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells and for Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | Forced Discharge (Cells) | Cl. 7.3.7 IEC 62133-2: 2017+A1: 2021 |
| 564. | | Mechanical Tests (Batteries) | Cl. 7.3.8 IEC 62133-2: 2017+A1: 2021 |
| 565. | | Vibration | Cl. 7.3.8.1 IEC 62133-2: 2017+A1: 2021 |
| 566. | | Mechanical Shock | Cl. 7.3.8.2 IEC 62133-2: 2017+A1: 2021 |
| 567. | | Design Evaluation- Forced Internal Short-Circuit (Cell) | Cl. 7.3.9 IEC 62133-2: 2017+A1: 2021 |
| 568. | | Information for Safety | Cl. 8 IEC 62133-2: 2017+A1: 2021 |
| 569. | | General | Cl. 8.1 IEC 62133-2: 2017+A1: 2021 |
| 570. | | Small Cell and Battery Safety Information | Cl. 8.2 IEC 62133-2: 2017+A1: 2021 |
| 571. | | Marking | Cl. 9 IEC 62133-2: 2017+A1: 2021 |
| 572. | | Cell Marking | Cl. 9.1 IEC 62133-2: 2017+A1: 2021 |
| 573. | | Battery Marking | Cl. 9.2 IEC 62133-2: 2017+A1: 2021 |
| 574. | | Caution For Ingestion of Small Cells and Batteries | Cl. 9.3 IEC 62133-2: 2017+A1: 2021 |

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| Electrical Testing | | | |
|--------------------|---|------------------------------------|------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 575. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Safety Requirements for Portable Sealed Secondary Cells and for Batteries Made from Them for Use in Portable Applications Part 2 Lithium Systems | Other Information | Cl. 9.4 IEC 62133-2: 2017+A1: 2021 |
| 576. | | Packaging and Transport | Cl. 10 IEC 62133-2: 2017+A1: 2021 |
| 577. | Multipurpose Dry Batteries | Designation of Cells and Batteries | Cl. 4 IS 8144: 2025 |
| 578. | | Dimensions | Cl. 5 IS 8144: 2025 |
| 579. | | Terminals | Cl. 6 IS 8144: 2025 |
| 580. | | Marking | Cl. 8 IS 8144: 2025 |
| 581. | | Tests | Cl. 9 IS 8144: 2025 |
| 582. | | Type Tests | Cl. 9.2 IS 8144: 2025 |
| 583. | | Lot Acceptance Tests | Cl. 9.3 IS 8144: 2025 |
| 584. | | Initial Life Test | Cl. 9.4 IS 8144: 2025 |

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| Electrical Testing | | | |
|--------------------|-----------------------------|--|-----------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 585. | Multipurpose Dry Batteries | Delayed Life Test | Cl. 9.5 IS 8144: 2025 |
| 586. | | Leakage Test | Cl. 9.6 IS 8144: 2025 |
| 587. | | Delayed Life Test Under Dry Heat Conditions | Cl. 9.7 IS 8144: 2025 |
| 588. | Primary Batteries-General | Requirements | Cl. 4 IS 6303: 2018 |
| 589. | | General | Cl. 4.1 IS 6303: 2018 |
| 590. | | Performance | Cl. 4.2 IS 6303: 2018 |
| 591. | | Performance-Testing | Cl. 5 IS 6303: 2018 |
| 592. | | Discharge Testing | Cl. 5.2 IS 6303: 2018 |
| 593. | | Conformance Check to a Specified Minimum Average Duration | Cl. 5.3 IS 6303: 2018 |
| 594. | | Calculation Method for the Specified Value of Minimum Average Duration | Cl. 5.4 IS 6303: 2018 |
| 595. | OCV Testing | Cl. 5.5 IS 6303: 2018 | |



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| Electrical Testing | | | |
|--------------------|-----------------------------|---|-----------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 596. | Primary Batteries-General | Battery Dimensions | Cl. 5.6 IS 6303: 2018 |
| 597. | | Leakage And Deformation | Cl. 5.7 IS 6303: 2018 |
| 598. | | Performance-Test Conditions | Cl. 6 IS 6303: 2018 |
| 599. | | Per-Discharge Conditioning | Cl. 6.1 IS 6303: 2018 |
| 600. | | Commencement Of Discharge Tests After Storage | Cl. 6.2 IS 6303: 2018 |
| 601. | | Discharge Test Conditions | Cl. 6.3 IS 6303: 2018 |
| 602. | | Load Resistance | Cl. 6.4 IS 6303: 2018 |
| 603. | | Time Periods | Cl. 6.5 IS 6303: 2018 |
| 604. | | Test Condition Tolerances | Cl. 6.6 IS 6303: 2018 |
| 605. | | Activation of 'P' System Batteries | Cl. 6.7 IS 6303: 2018 |
| 606. | | Measuring Equipment | Cl. 6.8 IS 6303: 2018 |
| 607. | | Discharge Test Equipment and Procedure | Cl. 6.9 IS 6303: 2018 |
| 608. | | Sampling And Quality Assurance | Cl. 7 IS 6303: 2018 |

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|--------------------|---|---------------------------------------|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 609. | | Sampling For Periodical Tests | Cl. 7.1 IS 6303: 2018 |
| 610. | Primary Batteries-General | Sampling Of Lot Acceptance And AQL | Cl. 7.2 IS 6303: 2018 |
| 611. | | Battery Packaging | Cl. 8 IS 6303: 2018 |
| 612. | | General | Cl. 4.1 IEC 61427-1: 2013 |
| 613. | | Photovoltaic Energy System | Cl. 4.2 IEC 61427-1: 2013 |
| 614. | Secondary Cells and Batteries for Renewable Energy Storage-General Requirements and Methods of Test Part 1: Photovoltaic Off-Grid Application | Secondary Cells and Batteries | Cl. 4.3 IEC 61427-1: 2013 |
| 615. | | General Operating Condition | Cl. 4.4 IEC 61427-1: 2013 |
| 616. | | Autonomy Time | Cl. 4.4.2 IEC 61427-1: 2013 |
| 617. | | Typical Charge and Discharge Currents | Cl. 4.4.3 IEC 61427-1: 2013 |
| 618. | | Daily Cycle | Cl. 4.4.4 IEC 61427-1: 2013 |



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Scope of Accreditation

HT Product Services Private Limited Services.

(Formerly Known as House of Testing)

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QAI/CIA/TL/2023/0023

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Valid until: 02 February 2028

Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|--|--|------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 619. | | Seasonal Cycle | Cl. 4.4.5 IEC 61427-1: 2013 |
| 620. | Secondary Cells and Batteries for Renewable Energy Storage- | Period of High State of Charge | Cl. 4.4.6 IEC 61427-1: 2013 |
| 621. | General Requirements and Methods of Test Part 1: | Period For Sustained Low State of Charge | Cl. 4.4.7 IEC 61427-1: 2013 |
| 622. | Photovoltaic Off-Grid Application | Electrolyte Stratification | Cl. 4.4.8 IEC 61427-1: 2013 |
| 623. | Secondary Cells and Batteries for Renewable Energy Storage- General Requirements and Methods of Test Part 1: Photovoltaic Off-Grid Application | Operating Temperature | Cl. 4.4.10 IEC 61427-1: 2013 |
| 624. | | Charge Control | Cl. 4.4.11 IEC 61427-1: 2013 |
| 625. | | Physical Protection | Cl. 4.4.12 IEC 61427-1: 2013 |
| 626. | | General requirements | Cl. 5 IEC 61427-1: 2013 |
| 627. | | Mechanical Endurance | Cl. 5.1 IEC 61427-1: 2013 |
| 628. | | Charge Efficiency | Cl. 5.2 IEC 61427-1: 2013 |
| 629. | | Deep Discharge Protection | Cl. 5.3 IEC 61427-1: 2013 |
| 630. | Marking | Cl. 5.4 IEC 61427-1: 2013 | |
| 631. | Functional Characteristics | Cl. 6 IEC 61427-1 : 2013 | |

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| Electrical Testing | | | |
|--------------------|--|---|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 632. | | General Test Conditions | Cl. 7 IEC 61427-1 : 2013 |
| 633. | Secondary Cells and Batteries for Renewable Energy Storage- General Requirements and Methods of Test Part 1: Photovoltaic Off-Grid Application | Capacity Test | Cl. 8.1 IEC 61427-1 : 2013 |
| 634. | | Generic Cycling Endurance Test | Cl. 8.2 IEC 61427-1 : 2013 |
| 635. | | Charge Retention Test | Cl. 8.3 IEC 61427-1 : 2013 |
| 636. | | Cycling Endurance in Photovoltaic Applications (Extreme Conditions) | Cl. 8.4 IEC 61427-1 : 2013 |
| 637. | | Recommended Use of Tests | Cl. 9 IEC 61427-1 : 2013 |
| 638. | | Acceptance Test | Cl. 9.2 IEC 61427-1 : 2013 |
| 639. | | Secondary Cells and Batteries for Renewable Energy Storage- General Requirements and Methods of Test Part 2: On-Grid Applications | Cell Designation |
| 640. | Battery Designation | | Cl. 5.3 IEC 62620 : 2014+A1: 2023 |
| 641. | Discharge Performance at Low Temperature | | Cl. 6.3.2 IEC 62620 : 2014+A1: 2023 |
| 642. | Electrical Tests | | Cl. 7.3.2 IEC 62620 : 2014+A1: 2023 |
| 643. | Secondary Cells and Batteries Containing Alkaline or Other | Parameter Measurement Tolerances | Cl. 4 IEC 62619: 2022 |

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| Electrical Testing | | | | |
|--------------------|--|---|--|-------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Cells And Batteries | | | |
| 644. | Non-Acid Electrolytes- Safety Requirements for Secondary Lithium Cells and Batteries, For Use in Industrial Applications | General Safety Considerations | Cl. 5 IEC 62619: 2022 | |
| 645. | | Insulation And Wiring | Cl. 5.2 IEC 62619: 2022 | |
| 646. | | Venting | Cl. 5.3 IEC 62619: 2022 | |
| 647. | | Temperature/Voltage/Current Management | Cl. 5.4 IEC 62619: 2022 | |
| 648. | | Terminal Contacts of the Battery Pack And/or Battery System | Cl. 5.5 IEC 62619: 2022 | |
| 649. | | Assembly Of Cells, Modules, Or Battery Packs into Battery System | Cl. 5.6 IEC 62619: 2022 | |
| 650. | | General | Cl. 5.6.1 IEC 62619: 2022 | |
| 651. | | Battery System Design | Cl. 5.6.2 IEC 62619: 2022 | |
| 652. | | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Safety Requirements for Secondary Lithium Cells and Batteries, For Use in Industrial Applications | Operating Region of Lithium Cells and Battery Systems for Safe Use | Cl. 5.7 IEC 62619: 2022 |
| 653. | | | System Lock (Or System Lock Function) | Cl. 5.8 IEC 62619: 2022 |
| 654. | Quality Plan | | Cl. 5.9 IEC 62619: 2022 | |
| 655. | Type Test Conditions | | Cl. 6 IEC 62619: 2022 | |
| 656. | Specific Requirements and Tests | | Cl. 7 IEC 62619: 2022 | |

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| Electrical Testing | | | |
|--------------------|---|--|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 657. | | Charging Procedures for Test Purposes | Cl. 7.1 IEC 62619: 2022 |
| 658. | | Reasonably Foreseeable Misuse | Cl. 7.2 IEC 62619: 2022 |
| 659. | | External Short- Circuit Test (Cell or Cell Block) | Cl. 7.2.1 IEC 62619: 2022 |
| 660. | | Impact Test (Cell or Cell Block) | Cl. 7.2.2 IEC 62619: 2022 |
| 661. | | Drop Test (Cell or Cell Block, And Battery System) | Cl. 7.2.3 IEC 62619: 2022 |
| 662. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Safety Requirements for Secondary Lithium Cells and Batteries, For Use in Industrial Applications | Whole Drop Test (Cell or Cell Block and Battery System) | Cl. 7.2.3.2 IEC 62619: 2022 |
| 663. | | Edge And Corner Drop Test (Cell or Cell Block, And Battery System) | Cl. 7.2.3.3 IEC 62619: 2022 |
| 664. | | Thermal Abuse Test (Cell or Cell Block) | Cl. 7.2.4 IEC 62619: 2022 |
| 665. | | Overcharge Test (Cell or Cell Block) | Cl. 7.2.5 IEC 62619: 2022 |
| 666. | | Forced Discharge Test (Cell or Cell Block) | Cl. 7.2.6 IEC 62619: 2022 |
| 667. | | Considerations For Internal Short-Circuit- Design Evaluation | Cl. 7.3 IEC 62619: 2022 |
| 668. | | Internal Short Circuit Test (Cell) | Cl. 7.3.2 IEC 62619: 2022 |

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| Electrical Testing | | | |
|--------------------|---|---|---------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 669. | | Propagation Test (Battery System) | Cl. 7.3.3 IEC 62619: 2022 |
| 670. | Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes- Safety Requirements for Secondary Lithium Cells and Batteries, For Use in Industrial Applications | Battery System Safety (Considering Functional Safety) | Cl. 8 IEC 62619: 2022 |
| 671. | | General Requirements | Cl. 8.1 IEC 62619: 2022 |
| 672. | | Battery Management System (or Battery Management Unit) | Cl. 8.2 IEC 62619: 2022 |
| 673. | | Requirements For The BMS | Cl. 8.2.1 IEC 62619: 2022 |
| 674. | | Overcharge Control of Voltage (Battery System) | Cl. 8.2.2 IEC 62619: 2022 |
| 675. | | Overcharge Control of Current (Battery System) | Cl. 8.2.3 IEC 62619: 2022 |
| 676. | | Overheating Control (Battery System) | Cl. 8.2.4 IEC 62619: 2022 |
| 677. | | Information For Safety | Cl. 10 IEC 62619: 2022 |
| 678. | | Marking And Designation | Cl. 11 IEC 62619: 2022 |
| 679. | | Packaging And Transport | Cl. 12 IEC 62619: 2022 |
| 680. | | Secondary Lithium-Ion Cells for the Propulsion of Electric Road | Test Conditions |
| 681. | General | | Cl. 4.1 IEC 62660-2: 2018 |

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| Electrical Testing | | | |
|--------------------|---|-----------------------------|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 682. | Vehicles Part 2 Reliability and Abuse Testing | Voltage Measurement | Cl. 4.2.2 IEC 62660-2: 2018 |
| 683. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 2 Reliability and Abuse Testing | Current Measurement | Cl. 4.2.3 IEC 62660-2: 2018 |
| 684. | | Temperature Measurements | Cl. 4.2.4 IEC 62660-2: 2018 |
| 685. | | Other Measurements | Cl. 4.2.5 IEC 62660-2: 2018 |
| 686. | | Tolerance | Cl. 4.3 IEC 62660-2: 2018 |
| 687. | | Test Temperature | Cl. 4.4 IEC 62660-2: 2018 |
| 688. | | Electrical Measurement | Cl. 5 IEC 62660-2: 2018 |
| 689. | | General Charge Conditions | Cl. 5.1 IEC 62660-2: 2018 |
| 690. | | Capacity | Cl. 5.2 IEC 62660-2: 2018 |
| 691. | | SOC Adjustment | Cl. 5.3 IEC 62660-2: 2018 |
| 692. | | Reliability And Abuse Tests | Cl. 6 IEC 62660-2: 2018 |
| 693. | | General | Cl. 6.1 IEC 62660-2: 2018 |
| 694. | | Mechanical Test | Cl. 6.2 IEC 62660-2: 2018 |
| 695. | | Vibration | Cl. 6.2.1 IEC 62660-2: 2018 |

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| Electrical Testing | | | |
|--------------------|---|----------------------------|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 696. | | Mechanical Shock | Cl. 6.2.2 IEC 62660-2: 2018 |
| 697. | | Crush | Cl. 6.2.3 IEC 62660-2: 2018 |
| 698. | | Thermal Test | Cl. 6.3 IEC 62660-2: 2018 |
| 699. | | High Temperature Endurance | Cl. 6.3.1 IEC 62660-2: 2018 |
| 700. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 2 Reliability and Abuse Testing | Temperature Cycling | Cl. 6.3.2 IEC 62660-2: 2018 |
| 701. | | Electrical Test | Cl. 6.4 IEC 62660-2: 2018 |
| 702. | | External Short Circuit | Cl. 6.4.1 IEC 62660-2: 2018 |
| 703. | | Overcharge | Cl. 6.4.2 IEC 62660-2: 2018 |
| 704. | | Forced Discharge | Cl. 6.4.3 IEC 62660-2: 2018 |
| 705. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 3 Safety Requirements | Measuring Instruments | Cl. 4.2 IEC 62660-3: 2022 |
| 706. | | Range Of Measuring Devices | Cl. 4.2.1 IEC 62660-3: 2022 |
| 707. | | Voltage Measurement | Cl. 4.2.2 IEC 62660-3: 2022 |
| 708. | | Current Measurement | Cl. 4.2.3 IEC 62660-3: 2022 |
| 709. | | Temperature Measurements | Cl. 4.2.4 IEC 62660-3: 2022 |

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| Electrical Testing | | | |
|--------------------|---|---------------------------|-----------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 710. | | Other Measurements | Cl. 4.2.5 IEC 62660-3: 2022 |
| 711. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 3 Safety Requirements | Tolerance | Cl. 4.3 IEC 62660-3: 2022 |
| 712. | | Thermal Stabilization | Cl. 4.4 IEC 62660-3: 2022 |
| 713. | | Electrical Measurement | Cl. 5 IEC 62660-3: 2022 |
| 714. | | General Charge Conditions | Cl. 5.1 IEC 62660-3: 2022 |
| 715. | | Capacity | Cl. 5.2 IEC 62660-3: 2022 |
| 716. | | SOC Adjustment | Cl. 5.3 IEC 62660-3: 2022 |
| 717. | | Safety Tests | Cl. 6 IEC 62660-3: 2022 |
| 718. | | Mechanical Tests | Cl. 6.2 IEC 62660-3: 2022 |
| 719. | | Mechanical Shock | Cl. 6.2.1 IEC 62660-3: 2022 |
| 720. | | Crush | Cl. 6.2.2 IEC 62660-3: 2022 |
| 721. | | Thermal Test | Cl. 6.3 IEC 62660-3: 2022 |



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|--------------------|---|------------------------------------|---------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Cells And Batteries | | |
| 722. | | High Temperature Endurance | Cl. 6.3.1 IEC 62660-3: 2022 |
| 723. | Secondary Lithium-Ion Cells for the Propulsion of Electric Road Vehicles Part 3 Safety Requirements | Temperature Cycling | Cl. 6.3.2 IEC 62660-3: 2022 |
| 724. | | Electrical Tests | Cl. 6.4 IEC 62660-3: 2022 |
| 725. | | External Short Circuit | Cl. 6.4.1 IEC 62660-3: 2022 |
| 726. | | Overcharge | Cl. 6.4.2 IEC 62660-3: 2022 |
| 727. | | Forced Discharge | Cl. 6.4.3 IEC 62660-3: 2022 |
| 728. | | Internal Short Circuit Test | Cl. 6.4.4 IEC 62660-3: 2022 |
| 729. | | Forced Internal Short Circuit Test | Cl. 6.4.4.2.1 IEC 62660-3: 2022 |



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|--------------------|--|---|---------------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 1. | Self-Ballasted Led Lamps for General Lighting Services | Marking | Cl. No.: 5 IS 16102 (Part 1):2012 |
| 2. | | Cap Interchangeability | Cl. No.: 6.1 IS 16102 (Part 1):2012 |
| 3. | | Bending Moment, Axial Pull and Mass | Cl. No.: 6 IS 16102 (Part 1):2012 |
| 4. | | Protection Against Accidental Contact with Live Parts | Cl. No.: 7 IS 16102 (Part 1):2012 |
| 5. | | Insulation Resistance | Cl. No.: 8.1.1 IS 16102 (Part 1):2012 |
| 6. | | Electric Strength | Cl. No.: 8.2 IS 16102 (Part 1):2012 |
| 7. | | Mechanical Strength | Cl. No.: 9 IS 16102 (Part 1):2012 |
| 8. | | Cap Temperature Rise | Cl. No.: 10 IS 16102 (Part 1):2012 |
| 9. | | Resistance to Heat | Cl. No.: 11 IS 16102 (Part 1):2012 |
| 10. | | Resistance to Flame and Ignition | Cl. No.: 12 IS 16102 (Part 1):2012 |
| 11. | | Fault Condition | Cl. No.: 13 IS 16102 (Part 1):2012 |
| 12. | | Creepage Distances and Clearances | Cl. No.: 14 IS 16102 (Part 1):2012 |
| 13. | | Selection of Lamps for Tests | Cl. No.: 15 IS 16102 (Part 1):2012 |

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|--------------------|--|--|-------------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 14. | Self-Ballasted Led Lamps for General Lighting Services | Conditions of Compliance | Cl. No.: 16 IS 16102 (Part 1):2012 |
| 15. | Luminaires Part 1 General Requirements and Test | Construction | Cl. No.: 4 IS 10322 (Part 1): 2014 |
| 16. | | External And Internal Wiring | Cl. No.: 5 IS 10322 (Part 1): 2014 |
| 17. | | Provision For Earthing | Cl. No.: 7 IS 10322 (Part 1): 2014 |
| 18. | | Protection Against Electric Shock | Cl. No.: 8 IS 10322 (Part 1): 2014 |
| 19. | | Resistance To Dust, Solid Objects and Moisture | Cl. No.: 9 IS 10322 (Part 1): 2014 |
| 20. | | Insulation Resistance and Electric Strength | Cl. No.: 10 IS 10322 (Part 1): 2014 |
| 21. | | Creepage Distances and Clearances | Cl. No.: 11 IS 10322 (Part 1): 2014 |
| 22. | | Endurance Tests and Thermal Tests | Cl. No.: 12 IS 10322 (Part 1): 2014 |
| 23. | | Resistance To Heat, Fire and Tracking | Cl. No.: 13 IS 10322 (Part 1): 2014 |
| 24. | | Screw Terminals | Cl. No.: 14 IS 10322 (Part 1): 2014 |
| 25. | | Screwless Terminals And Electrical Connections | Cl. No.: 15 IS 10322 (Part 1): 2014 |

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|--------------------|--|---|---|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 26. | Fixed General-Purpose Luminaires | Classification of Luminaire | Cl. No.: 5 IS 10322 (Part-5/Section-1): 2012 |
| 27. | Fixed General-Purpose Luminaires | Marking | Cl. No.: 6 IS 10322 (Part-5/Section-1): 2012 |
| 28. | | Construction | Cl. No.: 7 IS 10322 (Part-5/Section-1): 2012 |
| 29. | | Creepage Distances and Clearances | Cl. No.: 8 IS 10322 (Part-5/Section-1): 2012 |
| 30. | | Provision For Earthing | Cl. No.: 9 IS 10322 (Part-5/Section-1): 2012 |
| 31. | | Terminals | Cl. No.: 10 IS 10322 (Part-5/Section-1): 2012 |
| 32. | | External and Internal Wiring | Cl. No.: 11 IS 10322 (Part-5/Section-1): 2012 |
| 33. | | Protection Against Electric Shock | Cl. No.: 12 IS 10322 (Part-5/Section-1): 2012 |
| 34. | | Endurance Tests and Thermal Tests | Cl. No.: 13 IS 10322 (Part-5/Section-1): 2012 |
| 35. | | Resistance To Dust and Moisture | Cl. No.: 14 IS 10322 (Part-5/Section-1): 2012 |
| 36. | | Insulation Resistance and Electric Strength | Cl. No.: 15 IS 10322 (Part-5/Section-1): 2012 |

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|--------------------|--|---------------------------------------|---|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 37. | Fixed General-Purpose Luminaires | Resistance To Heat, Fire and Tracking | Cl. No.: 16IS 10322 (Part-5/Section-1): 2012 |
| 38. | Recessed Luminaires | Classification Of Luminaires | Cl. No.: 5 IS 10322 (Part-5/Section-2): 2012 |
| 39. | | Marking | Cl. No.: 6 IS 10322 (Part-5/Section-2): 2012 |
| 40. | | Construction | Cl. No.: 7 IS 10322 (Part-5/Section-2): 2012 |
| 41. | | Creepage Distances and Clearances | Cl. No.: 8 IS 10322 (Part-5/Section-2): 2012 |
| 42. | | Provision For Earthing | Cl. No.: 9 IS 10322 (Part-5/Section-2): 2012 |
| 43. | | Terminals | Cl. No.: 10 IS 10322 (Part-5/Section-2): 2012 |
| 44. | | External And Internal Wiring | Cl. No.: 11 IS 10322 (Part-5/Section-2): 2012 |
| 45. | | Protection Against Electric Shock | Cl. No.: 12 IS 10322 (Part-5/Section-2): 2012 |
| 46. | | Endurance Tests and Thermal Tests | Cl. No.: 13 IS 10322 (Part-5/Section-2): 2012 |
| 47. | | Resistance To Dust and Moisture | Cl. No.: 14 IS 10322 (Part-5/Section-2): 2012 |



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|--------------------|---|---|---|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 48. | Recessed Luminaires | Insulation Resistance and Electric Strength | Cl. No.: 15 IS 10322 (Part-5/Section-2): 2012 |
| 49. | | Resistance to Heat, Fire and Tracking | Cl. No.: 16 IS 10322 (Part-5/Section-2): 2012 |
| 50. | | Photometric Tests | Cl. No.: 17 IS 10322 (Part-5/Section-2): 2012 |
| 51. | Luminaires For Road and Street Lighting | Classification of Luminaires | Cl. No.: 5 IS 10322 (Part-5/Section-3): 2012 |
| 52. | | Marking | Cl. No.: 6 IS 10322 (Part-5/Section-3): 2012 |
| 53. | | Construction | Cl. No.: 7 IS 10322 (Part-5/Section-3): 2012 |
| 54. | | Creepage Distances and Clearances | Cl. No.: 8 IS 10322 (Part-5/Section-3): 2012 |
| 55. | | Provision For Protective Earthing | Cl. No.: 9 IS 10322 (Part-5/Section-3): 2012 |
| 56. | | Terminals | Cl. No.: 10 IS 10322 (Part-5/Section-3): 2012 |
| 57. | | External And Internal Wiring | Cl. No.: 11 IS 10322 (Part-5/Section-3): 2012 |
| 58. | | Protection Against Electric Shock | Cl. No.: 12 IS 10322 (Part-5/Section-3): 2012 |

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|--------------------|--|---|--|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 59. | Luminaires For Road and Street Lighting | Endurance Tests and Thermal Tests | Cl. No.: 13 IS 10322 (Part-5/Section-3): 2012 |
| 60. | | Resistance To Dust and Moisture | Cl. No.: 14 IS 10322 (Part-5/Section-3): 2012 |
| 61. | | Insulation Resistance and Electric Strength | Cl. No.: 15 IS 10322 (Part-5/Section-3): 2012 |
| 62. | | Resistance To Heat, Fire and Tracking | Cl. No.: 16 IS 10322 (Part-5/Section-3): 2012 |
| 63. | | Photometric Tests | Cl. No.: 17 IS 10322 (Part-5/Section-3): 2012 |
| 64. | Flood Light | Classification of Luminaires | Cl. No.: 5 IS 10322 (Part-5/Section-5): 2013 |
| 65. | | Marking | Cl. No.: 6 IS 10322 (Part-5/Section-5): 2013 |
| 66. | | Construction | Cl. No.: 7 IS 10322 (Part-5/Section-5): 2013 |
| 67. | | Creepage Distance and Clearances | Cl. No.: 8 IS 10322 (Part-5/Section-5): 2013 |
| 68. | | Provision For Earthing | Cl. No.: 9 IS 10322 (Part-5/Section-5): 2013 |
| 69. | | Terminals | Cl. No.: 10 IS 10322 (Part-5/Section-5): 2013 |

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|--------------------|--|---|--|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 70. | Flood Light | External And Internal Wiring | Cl. No.: 11 IS 10322 (Part-5/Section-5): 2013 |
| 71. | | Protection Against Electric Shock | Cl. No.: 12 IS 10322 (Part-5/Section-5): 2013 |
| 72. | | Endurance Tests and Thermal Tests | Cl. No.: 13 IS 10322 (Part-5/Section-5): 2013 |
| 73. | | Resistance to Dust and Moisture | Cl. No.: 14 IS 10322 (Part-5/Section-5): 2013 |
| 74. | | Insulation Resistance and Electric Strength | Cl. No.: 15 IS 10322 (Part-5/Section-5): 2013 |
| 75. | | Resistance to Heat, Fire and Tracking | Cl. No.: 16 IS 10322 (Part-5/Section-5): 2013 |
| 76. | | Photometric Requirements | Cl. No.: 17 IS 10322 (Part-5/Section-5): 2013 |
| 77. | Hand Lamps | Classification of Luminaires | Cl. No.: 5 IS 10322 (Part-5/Section-6): 2013 |
| 78. | | Marking | Cl. No.: 6 IS 10322 (Part-5/Section-6): 2013 |
| 79. | | Construction | Cl. No.: 7 IS 10322 (Part-5/Section-6): 2013 |
| 80. | | Creepage Distance and Clearance | Cl. No.: 8 IS 10322 (Part-5/Section-6): 2013 |

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|--------------------|-----------------------------------|---|---|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 81. | Hand Lamps | Provision For Earthing | Cl. No.: 9 IS 10322 (Part-5/Section-6): 2013 |
| 82. | | Terminals | Cl. No.: 10 IS 10322 (Part-5/Section-6): 2013 |
| 83. | | External And Internal Wiring | Cl. No.: 11 IS 10322 (Part-5/Section-6): 2013 |
| 84. | | Protection Against Electric Shock | Cl. No.: 12 IS 10322 (Part-5/Section-6): 2013 |
| 85. | | Endurance Tests and Thermal Tests | Cl. No.: 13 IS 10322 (Part-5/Section-6): 2013 |
| 86. | | Resistance to Dust and Moisture | Cl. No.: 14 IS 10322 (Part-5/Section-6): 2013 |
| 87. | | Insulation Resistance and Electric Strength | Cl. No.: 15 IS 10322 (Part-5/Section-6): 2013 |
| 88. | | Resistance To Heat, Fire and Tracking | Cl. No.: 16 IS 10322 (Part-5/Section-6): 2013 |
| 89. | Lighting Chains | General Test Requirements | Cl. No.: 4 IS 10322 (Part-5/Section-7): 2017 |
| 90. | | Classification Of Luminaires | Cl. No.: 5 IS 10322 (Part-5/Section-7): 2017 |
| 91. | | Marking | Cl. No.: 6 IS 10322 (Part-5/Section-7): 2017 |

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|--------------------|-----------------------------------|--|--|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 92. | Lighting Chains | Construction | Cl. No.: 7 IS 10322 (Part-5/Section-7): 2017 |
| 93. | | Creepage Distances and Clearances | Cl. No.: 8 IS 10322 (Part-5/Section-7): 2017 |
| 94. | | Provisions For Earthing | Cl. No.: 9 IS 10322 (Part-5/Section-7): 2017 |
| 95. | | Terminals | Cl. No.: 10 IS 10322 (Part-5/Section-7): 2017 |
| 96. | | External And Internal Wiring | Cl. No.: 11 IS 10322 (Part-5/Section-7): 2017 |
| 97. | | Protection Against Electric Shock | Cl. No.: 12 IS 10322 (Part-5/Section-7): 2017 |
| 98. | | Endurance Tests and Thermal Tests | Cl. No.: 13 IS 10322 (Part-5/Section-7): 2017 |
| 99. | | Resistance To Dust, Solid Objects and Moisture | Cl. No.: 14 IS 10322 (Part-5/Section-7): 2017 |
| 100. | | Insulation Resistance and Electric Strength | Cl. No.: 15 IS 10322 (Part-5/Section-7): 2017 |
| 101. | | Heat, Fire and Tracking | Cl. No.: 16 IS 10322 (Part-5/Section-7): 2017 |

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|--------------------|-----------------------------------|---|--|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 102. | Emergency Lighting | Classification of Luminaires | Cl. No.: 5 IS 10322 (Part-5/Section-8): 2013 |
| 103. | | Marking | Cl. No.: 6 IS 10322 (Part-5/Section-8): 2013 |
| 104. | | Construction | Cl. No.: 7 IS 10322 (Part-5/Section-8): 2013 |
| 105. | | Creepage Distances and Clearances | Cl. No.: 8 IS 10322 (Part-5/Section-8): 2013 |
| 106. | | Provision For Earthing | Cl. No.: 9 IS 10322 (Part-5/Section-8): 2013 |
| 107. | | Terminals | Cl. No.: 10 IS 10322 (Part-5/Section-8): 2013 |
| 108. | | External And Internal Wiring | Cl. No.: 11 IS 10322 (Part-5/Section-8): 2013 |
| 109. | | Protection Against Electric Shock | Cl. No.: 12 IS 10322 (Part-5/Section-8): 2013 |
| 110. | | Endurance Test and Thermal Test | Cl. No.: 13 IS 10322 (Part-5/Section-8): 2013 |
| 111. | | Resistance To Dust and Moisture | Cl. No.: 14 IS 10322 (Part-5/Section-8): 2013 |
| 112. | | Insulation Resistance and Electric Strength | Cl. No.: 15 IS 10322 (Part-5/Section-8): 2013 |

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|--------------------|--|--|--|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 113. | Emergency Lighting | Resistance To Heat, Fire and Tracking | Cl. No.: 16 IS 10322 (Part-5/Section-8): 2013 |
| 114. | | Functional Safety | Cl. No.: 17 IS 10322 (Part-5/Section-8): 2013 |
| 115. | | Changeover Operation | Cl. No.: 18 IS 10322 (Part-5/Section-8): 2013 |
| 116. | | High Temperature Operation | Cl. No.: 19 IS 10322 (Part-5/Section-8): 2013 |
| 117. | | Battery Chargers for Self-Contained Emergency Luminaires | Cl. No.: 20 IS 10322 (Part-5/Section-8): 2013 |
| 118. | | Test Devices for Emergency Operation | Cl. No.: 21 IS 10322 (Part-5/Section-8): 2013 |
| 119. | | Rest Mode and Inhibition Mode Facilities | Cl. No.: 22 IS 10322 (Part-5/Section-8): 2013 |
| 120. | Rope Lights | Classification Of Luminaires | Cl. No.: 21.5 IS 10322 (Part-5/Section-9): 2017 |
| 121. | | Marking | Cl. No.: 21.6 IS 10322 (Part-5/Section-9): 2017 |
| 122. | | Construction | Cl. No.: 21.7 IS 10322 (Part-5/Section-9): 2017 |
| 123. | | Creepage Distances and Clearances | Cl. No.: 21.8 IS 10322 (Part-5/Section-9): 2017 |

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|--------------------|---|--|---|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 124. | Rope Lights | Provisions For Earthing | Cl. No.: 21.9 IS 10322 (Part-5/Section-9): 2017 |
| 125. | | Terminals | Cl. No.: 21.10 IS 10322 (Part-5/Section-9): 2017 |
| 126. | | External And Internal Wiring | Cl. No.: 21.11 IS 10322 (Part-5/Section-9): 2017 |
| 127. | | Protection Against Electric Shock | Cl. No.: 21.12 IS 10322 (Part-5/Section-9): 2017 |
| 128. | | Endurance Tests and Thermal Tests | Cl. No.: 21.13 IS 10322 (Part-5/Section-9): 2017 |
| 129. | | Resistance To Dust, Solid Objects and Moisture | Cl. No.: 21.14 IS 10322 (Part-5/Section-9): 2017 |
| 130. | | Insulation Resistance and Electric Strength | Cl. No.: 21.15 IS 10322 (Part-5/Section-9): 2017 |
| 131. | | Resistance To Heat, Fire and Tracking | Cl. No.: 21.16 IS 10322 (Part-5/Section-9): 2017 |
| 132. | D.C. Or A.C. Supplied Electronic Control gear for LED Modules | Classification | Cl. No.: 6 IS 15885 (Part 2/Sec 13): 2012 |
| 133. | | Marking | Cl. No.: 7 IS 15885 (Part 2/Sec 13): 2012 |

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|--------------------|--|---|---|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 134. | D.C. Or A.C. Supplied Electronic Controlgear for LED Modules | Protection Against Accidental Contact with Live Parts | Cl. No.: 8 IS 15885 (Part 2/Sec 13): 2012 |
| 135. | | Terminals | Cl. No.: 9 IS 15885 (Part 2/Sec 13): 2012 |
| 136. | | Provisions For Protective Earthing | Cl. No.: 10 IS 15885 (Part 2/Sec 13): 2012 |
| 137. | | Moisture Resistance and Insulation | Cl. No.: 11 IS 15885 (Part 2/Sec 13): 2012 |
| 138. | | Electric Strength | Cl. No.: 12 IS 15885 (Part 2/Sec 13): 2012 |
| 139. | | Thermal Endurance Test for Windings of Ballasts | Cl. No.: 13 IS 15885 (Part 2/Sec 13): 2012 |
| 140. | | Fault Conditions | Cl. No.: 14 IS 15885 (Part 2/Sec 13): 2012 |
| 141. | | Transformer Heating | Cl. No.: 15 IS 15885 (Part 2/Sec 13): 2012 |
| 142. | | Construction | Cl. No.: 16 IS 15885 (Part 2/Sec 13): 2012 |
| 143. | | Creepage Distances and Clearances | Cl. No.: 17 IS 15885 (Part 2/Sec 13): 2012 |
| 144. | Screws, Current-Carrying Parts and Connections | Cl. No.: 18 IS 15885 (Part 2/Sec 13): 2012 | |

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| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 145. | D.C. Or A.C. Supplied Electronic Control gear for LED Modules | Resistance To Heat, Fire and Tracking | Cl. No.: 19 IS 15885 (Part 2/Sec 13): 2012 |
| 146. | | Resistance To Corrosion | Cl. No.: 20 IS 15885 (Part 2/Sec 13): 2012 |
| 147. | Safety of Lamp Control gear | Classification | Cl. No.: 6 IS 15885 (Part 1): 2011 |
| 148. | | Marking | Cl. No.: 7 IS 15885 (Part 1): 2011 |
| 149. | | Terminals | Cl. No.: 8 IS 15885 (Part 1): 2011 |
| 150. | | Provisions For Protective Earthing | Cl. No.: 9 IS 15885 (Part 1): 2011 |
| 151. | | Protection Against Accidental Contact with Live Parts | Cl. No.: 10 IS 15885 (Part 1): 2011 |
| 152. | | Moisture Resistance and Insulation | Cl. No.: 11 IS 15885 (Part 1): 2011 |
| 153. | | Electric Strength | Cl. No.: 12 IS 15885 (Part 1): 2011 |
| 154. | | Thermal Endurance Test for Windings Of Ballasts | Cl. No.: 13 IS 15885 (Part 1): 2011 |
| 155. | | Fault Condition | Cl. No.: 14 IS 15885 (Part 1): 2011 |

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|--------------------|-----------------------------------|---|-------------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 156. | Safety of Lamp Controlgear | Construction | Cl. No.: 15 IS 15885 (Part 1): 2011 |
| 157. | | Creepage Distances and Clearances | Cl. No.: 16 IS 15885 (Part 1): 2011 |
| 158. | | Screws, Current-Carrying Parts and Connections | Cl. No.: 17 IS 15885 (Part 1): 2011 |
| 159. | | Resistance To Heat, Fire and Tracking | Cl. No.: 18 IS 15885 (Part 1): 2011 |
| 160. | | Resistance to Corrosion | Cl. No.: 19 IS 15885 (Part 1): 2011 |
| 161. | Led Modules for General Lighting | Classification | Cl. No.: 6 IS 16103 (Part 1): 2012 |
| 162. | | Marking | Cl. No.: 7 IS 16103 (Part 1): 2012 |
| 163. | | Terminals | Cl. No.: 8 IS 16103 (Part 1): 2012 |
| 164. | | Provisions For Protective Earthing | Cl. No.: 9 IS 16103 (Part 1): 2012 |
| 165. | | Protection Against Accidental Contact with Live Parts | Cl. No.: 10 IS 16103 (Part 1): 2012 |
| 166. | | Moisture Resistance and Insulation | Cl. No.: 11 IS 16103 (Part 1): 2012 |

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|--------------------|--|--|-------------------------------------|---------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method | |
| | Lamps, Luminaires and Accessories | | | |
| 167. | Led Modules for General Lighting | Electric Strength | Cl. No.: 12 IS 16103 (Part 1): 2012 | |
| 168. | | Fault Conditions | Cl. No.: 13 IS 16103 (Part 1): 2012 | |
| 169. | | Construction | Cl. No.: 15 IS 16103 (Part 1): 2012 | |
| 170. | | Creepage Distances and Clearances | Cl. No.: 16 IS 16103 (Part 1): 2012 | |
| 171. | | Screws, Current-Carrying Parts and Connections | Cl. No.: 17 IS 16103 (Part 1): 2012 | |
| 172. | | Resistance To Heat, Fire and Tracking | Cl. No.: 18 IS 16103 (Part 1): 2012 | |
| 173. | | Resistance To Corrosion | Cl. No.: 19 IS 16103 (Part 1): 2012 | |
| 174. | | Heat Management | Cl. No.: 21 IS 16103 (Part 1): 2012 | |
| 175. | | D.C. Or A.C. Supplied Electronic Control Gear for Led Modules - Performance Requirements | Classification | Cl. No.: 5 IS 16104: 2012 |
| 176. | | | Marking | Cl. No.: 6 IS 16104: 2012 |
| 177. | Output Voltage and Current | | Cl. No.: 7 IS 16104: 2012 | |
| 178. | Total Circuit Power | | Cl. No.: 8 IS 16104: 2012 | |

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| 179. | D.C. Or A.C. Supplied Electronic Control Gear for Led Modules - Performance Requirements | Circuit Power Factor | Cl. No.: 9 IS 16104: 2012 |
| 180. | | Supply Current | Cl. No.: 10 IS 16104: 2012 |
| 181. | | Operational Tests for Abnormal Conditions | Cl. No.: 12 IS 16104: 2012 |
| 182. | | Endurance | Cl. No.: 13 IS 16104: 2012 |
| 183. | Bayonet Lamp holders | General Conditions for Test | Cl. 5 of IS 1258: 2024/IEC 61184: 2017) |
| 184. | | Standard Ratings | Cl. 6 of IS 1258: 2024/IEC 61184: 2017) |
| 185. | | (Classification) | Cl. 7 of IS 1258: 2024/IEC 61184: 2017) |
| 186. | | Marking | Cl. 8 of IS 1258: 2024/IEC 61184: 2017) |
| 187. | | Dimensions | Cl. 9 of IS 1258: 2024/IEC 61184: 2017) |
| 188. | | (Protection Against Electric Shock) | Cl. 10 of IS 1258: 2024/IEC 61184: 2017) |
| 189. | | Terminals | Cl. 11 of IS 1258: 2024/IEC 61184: 2017) |
| 190. | | Provision For Earthing) | Cl. 12 of IS 1258: 2024/IEC 61184: 2017) |

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| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 191. | Bayonet Lamp holders | Construction | Cl. 13 of IS 1258: 2024/IEC 61184: 2017) |
| 192. | | Switched Lamp holders | Cl. 14 of IS 1258: 2024/IEC 61184: 2017) |
| 193. | | Moisture Resistance, Insulation Resistance and Electrical Strength | Cl. 15 of IS 1258: 2024/IEC 61184: 2017) |
| 194. | | Mechanical Strength | Cl. 16 of IS 1258: 2024/IEC 61184: 2017) |
| 195. | | Screws, Current-Carrying Parts and Connections | Cl. 17 of IS 1258: 2024/IEC 61184: 2017) |
| 196. | | Creepage Distances and Clearances | Cl. 18 of IS 1258: 2024/IEC 61184: 2017) |
| 197. | | General Resistance to Heat | Cl. 19 of IS 1258: 2024/IEC 61184: 2017) |
| 198. | | Resistance To Heat, Re and Tracking | Cl. 20 of IS 1258: 2024/IEC 61184: 2017) |
| 199. | | (Resistance To Excessive Residual Stresses (Season Cracking) and to Rusting | Cl. 21 of IS 1258: 2024/IEC 61184: 2017) |
| 200. | | Season Cracking/Corrosion Test | Cl. Annex A of IS 1258: 2024/IEC 61184: 2017) |

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| Electrical Testing | | | |
|--------------------|-----------------------------------|---|------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 201. | Flashlight | Material And Construction | Cl. 4 of IS 2083:2024 |
| 202. | | Finish | Cl. 5 of IS 2083:2024 |
| 203. | | Dimensions | Cl. 6 of IS 2083:2024 |
| 204. | | Marking | Cl. 7 of IS 2083:2024 |
| 205. | | Tests | Cl. 8 of IS 2083:2024 |
| 206. | | Test For Finish | Cl. 9 of IS 2083:2024 |
| 207. | | Test For Mechanical Assembly | Cl. 10 of IS 2083:2024 |
| 208. | | Drop Test | Cl. 11 of IS 2083:2024 |
| 209. | | Climatic Tests | Cl. 12 of IS 2083:2024 |
| 210. | | Life Test for Switch | Cl. 13 of IS 2083:2024 |
| 211. | | Insulation Resistance Test | Cl. 14 of IS 2083:2024 |
| 212. | | Test For Contact Resistance of the Switch | Cl. 15 of IS 2083:2024 |
| 213. | | Light Distribution Test | Cl. 16 of IS 2083:2024 |

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| Electrical Testing | | | |
|--------------------|-----------------------------------|--|-------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 214. | Flashlight | Lumen Depreciation Test for Led Flashlight | Cl. 17 of IS 2083:2024 |
| 215. | | Circuit Current of Led Flashlight | Cl. 18 of IS 2083:2024 |
| 216. | | Test For Charging Current in Built-In Rechargeable Battery-Operated Flashlights | Cl. 19 of IS 2083:2024 |
| 217. | | Test For Ingress Protection | Cl. 21 of IS 2083:2024 |
| 218. | | Over Charge Protection in Rechargeable Flashlights with Built-In Charger/Separate Charger/ Solar Charger | Cl. 22 of IS 2083:2024 |
| 219. | | Endurance Test for Rechargeable Flashlights | Cl. 23 of IS 2083:2024 |
| 220. | | Thermal Test | Cl. 24 of IS 2083:2024 |
| 221. | | Sampling Plan and Criteria for Conformity for Flashlights | ANNEX B of IS 2083:2024 |
| 222. | | Requirements For Led/Led Modules as Light Source of Flashlight | ANNEX C of IS 2083:2024 |



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| Electrical Testing | | | |
|--------------------|--|---|----------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 223. | Flashlight | Accelerated Aging Test for Rubber or Other Elastomeric Compound | ANNEX D of IS 2083:2024 |
| 224. | Self-Ballasted Led Lamps for General Lighting Services | Marking | Cl. No.: 5 IEC 62560:2015 |
| 225. | | Cap Interchangeability | Cl. No.: 6 IEC 62560:2015 |
| 226. | | Protection Against Accidental Contact with Live Parts | Cl. No.: 7 IEC 62560:2015 |
| 227. | | Insulation Resistance and Electric Strength | Cl. No.: 8 IEC 62560:2015 |
| 228. | | Mechanical Strength | Cl. No.: 9 IEC 62560:2015 |
| 229. | | Cap Temperature Rise | Cl. No.: 10 IEC 62560:2015 |
| 230. | | Resistance to Heat | Cl. No.: 11 IEC 62560:2015 |
| 231. | | Resistance to Flame and Ignition | Cl. No.: 12 IEC 62560:2015 |
| 232. | | Fault Conditions | Cl. No.: 13 IEC 62560:2015 |
| 233. | | Creepage Distances and Clearances | Cl. No.: 14 IEC 62560:2015 |

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| Electrical Testing | | | |
|--------------------|---|--|-----------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 234. | Luminaires Part 1 General Requirements and Test | Classification of Luminaries | Cl. No.: 5 IEC 60598-1:2024 |
| 235. | | Marking | Cl. No.: 6 IEC 60598-1:2024 |
| 236. | | Construction | Cl. No.: 7 IEC 60598-1:2024 |
| 237. | Luminaires Part 1 General Requirements and Test | External and Internal Wiring | Cl. No.: 8 IEC 60598-1:2024 |
| 238. | | Provision for Earthing | Cl. No.: 9 IEC 60598-1:2024 |
| 239. | | Protection against Electric Shock | Cl. No.:10 IEC 60598-1:2024 |
| 240. | | Resistance To Dust, Solid Objects and Moisture | Cl. No.:11 IEC 60598-1:2024 |
| 241. | | Insulation Resistance and Electric Strength | Cl. No.:12 IEC 60598-1:2024 |
| 242. | | Creepage Distances and Clearances | Cl. No.:13 IEC 60598-1:2024 |
| 243. | | Endurance Tests and Thermal Tests | Cl. No.:14 IEC 60598-1:2024 |
| 244. | | Resistance to Heat, Fire and Tracking | Cl. No.:15 IEC 60598-1:2024 |
| 245. | | Screw Terminals | Cl. No.:16 IEC 60598-1:2024 |
| 246. | | Screwless Terminals and Electrical Connections | Cl. No.:17 IEC 60598-1:2024 |

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| Electrical Testing | | | |
|--------------------|--|--|----------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 247. | Fixed General-Purpose Luminaires | Classification of Luminaire | Cl. No.:1.5 IEC 60598-2-1: 2020 |
| 248. | | Marking | Cl. No.:1.6 IEC 60598-2-1: 2020 |
| 249. | | Construction | Cl. No.:1.7 IEC 60598-2-1: 2020 |
| 250. | | Creepage Distances and Clearances | Cl. No.:1.8 IEC 60598-2-1: 2020 |
| 251. | | Provision for Earthing | Cl. No.:1.9 IEC 60598-2-1: 2020 |
| 252. | | Terminals | Cl. No.:1.10 IEC 60598-2-1: 2020 |
| 253. | | External and Internal Wiring | Cl. No.:1.11 IEC 60598-2-1: 2020 |
| 254. | | Protection against Electric Shock | Cl. No.:1.12 IEC 60598-2-1: 2020 |
| 255. | | Endurance Tests and Thermal Tests | Cl. No.:1.13 IEC 60598-2-1: 2020 |
| 256. | | Resistance To Dust and Moisture | Cl. No.:1.14 IEC 60598-2-1: 2020 |
| 257. | | Insulation Resistance and Electric Strength, Touch Current and Productive Conductor Current. | Cl. No.:1.15 IEC 60598-2-1: 2020 |
| 258. | | Resistance to Heat, Fire and Tracking | Cl. No.:1.16 IEC 60598-2-1: 2020 |

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|--------------------|--|---|---------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 259. | Recessed Luminaires | Classification of Luminaires | Cl. No.:2.5 IEC 60598-2-2:2023 |
| 260. | | Marking | Cl. No.:2.6 IEC 60598-2-2:2023 |
| 261. | | Construction | Cl. No.:2.7 IEC 60598-2-2:2023 |
| 262. | | Creepage Distances and Clearances | Cl. No.:2.8 IEC 60598-2-2:2023 |
| 263. | | Provision for Earthing | Cl. No.:2.9 IEC 60598-2-2:2023 |
| 264. | | Terminals | Cl. No.:2.10 IEC 60598-2-2:2023 |
| 265. | | External and Internal Wiring | Cl. No.:2.11 IEC 60598-2-2:2023 |
| 266. | | Protection against Electric Shock | Cl. No.:2.12 IEC 60598-2-2:2023 |
| 267. | | Endurance Tests and Thermal Tests | Cl. No.:2.13 IEC 60598-2-2:2023 |
| 268. | | Resistance To Dust and Moisture | Cl. No.:2.14 IEC 60598-2-2:2023 |
| 269. | | Insulation Resistance and Electric Strength | Cl. No.:2.15 IEC 60598-2-2:2023 |
| 270. | | Resistance To Heat, Fire and Tracking | Cl. No.:2.16 IEC 60598-2-2:2023 |

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| Electrical Testing | | | |
|--------------------|--|---|----------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 271. | Luminaires For Road and Street Lighting | Classification of Luminaires | Cl. No.: 3.4 IEC 60598-2-3:2002 |
| 272. | | Marking | Cl. No.: 3.5 IEC 60598-2-3:2002 |
| 273. | | Construction | Cl. No.: 3.6 IEC 60598-2-3:2002 |
| 274. | | Creepage Distances and Clearances | Cl. No.: 3.7 IEC 60598-2-3:2002 |
| 275. | | Provision of Earthing | Cl. No.: 3.8 IEC 60598-2-3:2002 |
| 276. | | Terminals | Cl. No.: 3.9 IEC 60598-2-3:2002 |
| 277. | | External and Internal Wiring | Cl. No.: 3.10 IEC 60598-2-3:2002 |
| 278. | | Protection against Electric Shock | Cl. No.: 3.11 IEC 60598-2-3:2002 |
| 279. | | Endurance Tests and Thermal Tests | Cl. No.: 3.12 IEC 60598-2-3:2002 |
| 280. | | Resistance to Dust and Moisture | Cl. No.: 3.13 IEC 60598-2-3:2002 |
| 281. | | Insulation Resistance and Electric Strength | Cl. No.: 3.14 IEC 60598-2-3:2002 |
| 282. | | Resistance To Heat, Fire and Tracking | Cl. No.: 3.15 IEC 60598-2-3:2002 |

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| Electrical Testing | | | |
|--------------------|-----------------------------------|---|-----------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 283. | Flood Light | Marking | Cl. No.: 5.5 IEC 60598-2-5:2015 |
| 284. | | Construction | Cl. No.: 5.6 IEC 60598-2-5:2015 |
| 285. | | Creepage Distance and Clearances | Cl. No.: 5.7 IEC 60598-2-5:2015 |
| 286. | | Provision For Earthing | Cl. No.: 5.8 IEC 60598-2-5:2015 |
| 287. | Flood Light | Terminals | Cl. No.: 5.9 IEC 60598-2-5:2015 |
| 288. | | External And Internal Wiring | Cl. No.: 5.10 IEC 60598-2-5:2015 |
| 289. | | Protection Against Electric Shock | Cl. No.: 5.11 IEC 60598-2-5:2015 |
| 290. | | Endurance Tests and Thermal Tests | Cl. No.: 5.12 IEC 60598-2-5:2015 |
| 291. | | Resistance To Dust and Moisture | Cl. No.: 5.13 IEC 60598-2-5:2015 |
| 292. | | Insulation Resistance and Electric Strength | Cl. No.: 5.14 IEC 60598-2-5:2015 |
| 293. | | Resistance To Heat, Fire and Tracking | Cl. No.: 5.15 IEC 60598-2-5:2015 |
| 294. | Lighting Chains | Classification Of Luminaires | Cl. No.: 20.5 IEC 60598-2-20:2022 |

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| Electrical Testing | | | |
|--------------------|--------------------------------------|--|------------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 295. | Lighting Chains | Marking | Cl. No.: 20.6 IEC 60598-2-20:2022 |
| 296. | | Construction | Cl. No.: 20.7 IEC 60598-2-20:2022 |
| 297. | | Creepage Distances and Clearances | Cl. No.: 20.8 IEC 60598-2-20:2022 |
| 298. | | Provisions For Earthing | Cl. No.: 20.9 IEC 60598-2-20:2022 |
| 299. | | Terminals | Cl. No.: 20.10 IEC 60598-2-20:2022 |
| 300. | | External And Internal Wiring | Cl. No.: 20.11 IEC 60598-2-20:2022 |
| 301. | | Protection Against Electric Shock | Cl. No.: 20.12 IEC 60598-2-20:2022 |
| 302. | | Endurance Tests and Thermal Tests | Cl. No.: 20.13 IEC 60598-2-20:2022 |
| 303. | | Resistance To Dust, Solid Objects and Moisture | Cl. No.: 20.14 IEC 60598-2-20:2022 |
| 304. | | Insulation Resistance and Electric Strength | Cl. No.: 20.15 IEC 60598-2-20:2022 |
| 305. | Resistance To Heat Fire and Tracking | Cl. No.: 20.16 IEC 60598-2-20:2022 | |

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|--------------------|--|---|------------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 306. | Emergency Lighting | Classification Of Luminaires | Cl. No.: 22.5 IEC 60598-2-22:2021 |
| 307. | | Marking | Cl. No.: 22.6 IEC 60598-2-22:2021 |
| 308. | | Construction | Cl. No.: 22.7 IEC 60598-2-22:2021 |
| 309. | | Creepage Distances and Clearances | Cl. No.: 22.8 IEC 60598-2-22:2021 |
| 310. | Emergency Lighting | Provision For Earthing | Cl. No.: 22.9 IEC 60598-2-22:2021 |
| 311. | | Terminals | Cl. No.: 22.10 IEC 60598-2-22:2021 |
| 312. | | External and Internal Wiring | Cl. No.: 22.11 IEC 60598-2-22:2021 |
| 313. | | Protection against Electric Shock | Cl. No.: 22.12 IEC 60598-2-22:2021 |
| 314. | | Endurance Test and Thermal Test | Cl. No.: 22.13 IEC 60598-2-22:2021 |
| 315. | | Resistance To Dust and Moisture | Cl. No.: 22.14 IEC 60598-2-22:2021 |
| 316. | | Insulation Resistance and Electric Strength | Cl. No.: 22.15 IEC 60598-2-22:2021 |
| 317. | | Resistance To Heat, Fire and Tracking | Cl. No.: 22.16 IEC 60598-2-22:2021 |
| 318. | | Photometric Data | Cl. No.: 22.17 IEC 60598-2-22:2021 |

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|--------------------|--|--|-------------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 319. | Emergency Lighting | Changeover Operation | Cl. No.: 22.18 IEC 60598-2-22:2021 |
| 320. | | High Temperature Operation | Cl. No.: 22.19 IEC 60598-2-22:2021 |
| 321. | | Battery Chargers for Self-Contained Emergency Luminaires | Cl. No.: 22.20 IEC 60598-2-22:2021 |
| 322. | | Test Devices for Emergency Operation | Cl. No.: 22.21 IEC 60598-2-22:2021 |
| 323. | Rope Lights | Classification Of Luminaires | Cl. No.: 21.5 IEC 60598-2-21:2014 |
| 324. | | Protection Against Electric Shock | Cl. No.: 21.5.2 IEC 60598-2-21:2014 |
| 325. | | Protection Against Dust Solid Object and Moisture | Cl. No.: 21.5.3 IEC 60598-2-21:2014 |
| 326. | | Marking | Cl. No.: 21.6 IEC 60598-2-21:2014 |
| 327. | | Construction | Cl. No.: 21.7 IEC 60598-2-21:2014 |
| 328. | | Creepage Distances and Clearances | Cl. No.: 21.8 IEC 60598-2-21:2014 |
| 329. | | Provisions For Earthing | Cl. No.: 21.9 IEC 60598-2-21:2014 |
| 330. | | Terminals | Cl. No.: 21.10 IEC 60598-2-21:2014 |

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|--------------------|--|---|------------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 331. | Rope Lights | External and Internal Wiring | Cl. No.: 21.11 IEC 60598-2-21:2014 |
| 332. | | Protection Against Electric Shock | Cl. No.: 21.12 IEC 60598-2-21:2014 |
| 333. | | Endurance Tests and Thermal Tests | Cl. No.: 21.13 IEC 60598-2-21:2014 |
| 334. | | Resistance To Dust Solid Objects and Moisture | Cl. No.: 21.14 IEC 60598-2-21:2014 |
| 335. | | Insulation Resistance and Electric Strength | Cl. No.: 21.15 IEC 60598-2-21:2014 |
| 336. | | Resistance To Heat Fire and Tracking | Cl. No.: 21.16 IEC 60598-2-21:2014 |
| 337. | D.C. Or A.C. Supplied Electronic Controlgear for LED Modules | Terminals | Cl. No.: 7 IEC 61347-2-13:2024 |
| 338. | | Earthing | Cl. No.: 8 IEC 61347-2-13:2024 |
| 339. | | Protection against accidental contact with live parts | Cl. No.: 9 IEC 61347-2-13:2024 |
| 340. | | Insulation Resistance and Electrical Strength | Cl. No.: 10 IEC 61347-2-13:2024 |

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|--------------------|--|---|---------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 341. | D.C. or A.C. Supplied Electronic Controlgear for LED Modules | Fault Conditions | Cl. No.: 11 IEC 61347-2-13:2024 |
| 342. | | Construction | Cl. No.: 12 IEC 61347-2-13:2024 |
| 343. | | Creepage Distances and Clearances | Cl. No.: 13 IEC 61347-2-13:2024 |
| 344. | | Screws, Current-Carrying Parts and Connections | Cl. No.: 14 IEC 61347-2-13:2024 |
| 345. | | Resistance To Heat, Fire and Tracking | Cl. No.: 15 IEC 61347-2-13:2024 |
| 346. | | Output Working Voltage | Cl. No.: 17 IEC 61347-2-13:2024 |
| 347. | Led Modules for General Lighting | Marking | Cl. No.:6 IEC 62031:2018 |
| 348. | | Terminals | Cl. No.:7 IEC 62031:2018 |
| 349. | | Earthing | Cl. No.:8 IEC 62031:2018 |
| 350. | | Protection against Accidental Contact with Live Parts | Cl. No.:9 IEC 62031:2018 |
| 351. | | Moisture Resistance and Insulation | Cl. No.:10 IEC 62031:2018 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electrical Testing | | | |
|--------------------|--|---|---------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 352. | Led Modules for General Lighting | Electric Strength | Cl. No.:11 IEC 62031:2018 |
| 353. | | Fault Conditions | Cl. No.:12 IEC 62031:2018 |
| 354. | | Construction | Cl. No.:14 IEC 62031:2018 |
| 355. | | Creepage Distances and Clearances | Cl. No.:15 IEC 62031:2018 |
| 356. | | Screws, Current-Carrying Parts and Connections | Cl. No.:16 IEC 62031:2018 |
| 357. | | Resistance To Heat, Fire and Tracking | Cl. No.:17 IEC 62031:2018 |
| 358. | | Resistance To Corrosion | Cl. No.:18 IEC 62031:2018 |
| 359. | | D.C. Or A.C. Supplied Electronic Control Gear for Led Modules- Performance Requirements | Classification |
| 360. | Marking | | Cl. No.:6 IEC 62384:2020 |
| 361. | Output Voltage and Current | | Cl. No.:7 IEC 62384:2020 |
| 362. | Total Circuit Power | | Cl. No.:8 IEC 62384:2020 |
| 363. | Circuit Power Factor | | Cl. No.:9 IEC 62384:2020 |

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| Electrical Testing | | | |
|--------------------|---|-----------------------------------|----------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 364. | D.C. Or A.C. Supplied Electronic Control Gear for Led Modules- Performance Requirements | Supply Current | Cl. No.:10 IEC 62384:2020 |
| 365. | | Endurance | Cl. No.:12 IEC 62384:2020 |
| 366. | Hand Lamps | Classification of Luminaires | Cl. No.: 8.5 IEC 60598-2-8:2013 |
| 367. | | Marking | Cl. No.: 8.6 IEC 60598-2-8:2013 |
| 368. | | Construction | Cl. No.: 8.7 IEC 60598-2-8:2013 |
| 369. | | Creepage Distance and Clearance | Cl. No.: 8.8 IEC 60598-2-8:2013 |
| 370. | | Provision For Earthing | Cl. No.: 8.9 IEC 60598-2-8:2013 |
| 371. | | Terminals | Cl. No.: 8.10 IEC 60598-2-8:2013 |
| 372. | | External And Internal Wiring | Cl. No.: 8.11 IEC 60598-2-8:2013 |
| 373. | | Protection Against Electric Shock | Cl. No.: 8.12 IEC 60598-2-8:2013 |
| 374. | | Endurance Tests and Thermal Tests | Cl. No.: 8.13 IEC 60598-2-8:2013 |
| 375. | | Resistance To Dust and Moisture | Cl. No.: 8.14 IEC 60598-2-8:2013 |

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| Electrical Testing | | | |
|--------------------|-----------------------------------|---|----------------------------------|
| Sl. No. | Product(S)/Material Of Test | Specific Tests Performed | Test Method |
| | Lamps, Luminaires and Accessories | | |
| 376. | Hand Lamps | Insulation Resistance and Electric Strength | Cl. No.: 8.15 IEC 60598-2-8:2013 |
| 377. | | Resistance To Heat, Fire and Tracking | Cl. No.: 8.16 IEC 60598-2-8:2013 |



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| Electronic Testing | | | |
|--------------------|--|--------------------------|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| 1. | | Components | Cl 1.5, Cl. 1.5.1, Cl. 1.5.2, Cl. 1.5.3, Cl. 1.5.4, Cl. 1.5.5, Cl. 1.5.6, Cl. 1.5.7, Cl. 1.5.8, Cl. 1.5.9 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 2. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI | Power Interface | Cl 1.6, Cl 1.6.1, Cl 1.6.2, Cl. 1.6.3, Cl. 1.6.4 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 3. | Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Marking And Instructions | Cl 1.7, Cl 1.7.1, Cl 1.7.2, Cl. 1.7.3, Cl. 1.7.4, Cl. 1.7.5, Cl. 1.7.6, Cl. 1.7.7, Cl. 1.7.8, Cl. 1.7.9, Cl. 1.7.10, Cl. 1.7.11, Cl. 1.7.12, Cl. 1.7.13, Cl. 1.7.14 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 4. | | Protection From Hazards | Cl. 2, Cl. 2.1, Cl. 2.1.1, Cl. 2.1.1.1, Cl. 2.1.1.2, Cl. 2.1.1.3, Cl. 2.1.1.4, Cl. 2.1.1.5, Cl. 2.1.1.6, Cl. 2.1.1.7, Cl. 2.1.1.8, Cl. 2.1.1.9, Cl. 2.1.2, Cl. 2.1.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |



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| Electronic Testing | | | |
|--------------------|---|------------------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| 5. | | SELV Circuit | Cl. 2.2, Cl. 2.2.1, Cl. 2.2.2, Cl. 2.2.3, Cl. 2.2.4 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 6. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ | TNV Circuit | Cl. 2.3, Cl. 2.3.1, Cl. 2.3.2, Cl. 2.3.2.1, Cl. 2.3.2.2, Cl. 2.3.2.3, Cl. 2.3.2.4, Cl. 2.3.3, Cl. 2.3.4, Cl. 2.3.5 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 7. | Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Limited Current Circuit | Cl.2.4, Cl. 2.4.1, Cl. 2.4.2, Cl. 2.4.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 8. | Scanner/Copier/ Servers and Other Information Technology Equipment | Limited Power Source | Cl. 2.5 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 9. | | Provision For Earthing and Bonding | Cl. 2.6, Cl. 2.6.1, Cl. 2.6.2, Cl. 2.6.3, Cl. 2.6.3.1, Cl. 2.6.3.2, Cl. 2.6.3.3, Cl. 2.6.3.4, Cl. 2.6.3.5, Cl. 2.6.4, Cl. 2.6.4.1, Cl. 2.6.4.2, Cl. 2.6.4.3, Cl. 2.6.5, Cl. 2.6.5.1, Cl. 2.6.5.2, Cl. 2.6.5.3, Cl. 2.6.5.4, Cl. 2.6.5.5, |



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| Electronic Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | | | Cl. 2.6.5.6, Cl. 2.6.5.7, Cl. 2.6.5.8 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 10. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI | Overcurrent And Earth Fault Protection in Primary Circuit | Cl. 2.7, Cl. 2.7.1, Cl. 2.7.2, Cl. 2.7.3, Cl. 2.7.4, Cl. 2.7.5, Cl. 2.7.6, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 11. | Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Safety Interlock | Cl. 2.8, Cl. 2.8.1, Cl. 2.8.2, Cl. 2.8.3, Cl. 2.8.4, Cl. 2.8.5, Cl. 2.8.6, Cl. 2.8.7, Cl. 2.8.7.1, Cl. 2.8.7.2, Cl. 2.8.7.3, Cl. 2.8.7.4, Cl. 2.8.8 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 12. | | Electrical Insulation | Cl 2, Cl. 2.9, Cl. 2.9.1, Cl. 2.9.2, Cl. 2.9.3, Cl. 2.9.4 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |



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| Electronic Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| 13. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Clearances, Creepage Distances and Distance Through Insulation | Cl.2, Cl. 2.10, Cl. 2.10.1, Cl. 2.10.1.1, Cl. 2.10.1.2, Cl. 2.10.1.3, Cl. 2.10.1.4, Cl. 2.10.1.5, Cl. 2.10.1.6, Cl. 2.10.1.7, Cl. 2.10.2, Cl. 2.10.2.1, Cl. 2.10.2.2, Cl. 2.10.2.3, Cl. 2.10.3, Cl. 2.10.3.1, Cl. 2.10.3.2, Cl. 2.10.3.3, Cl. 2.10.3.4, Cl. 2.10.3.5, Cl. 2.10.3.6, Cl. 2.10.3.7, Cl. 2.10.3.8, Cl. 2.10.3.9, Cl. 2.10.4, Cl. 2.10.4.1, Cl. 2.10.4.2, Cl. 2.10.4.3, Cl. 2.10.5, Cl. 2.10.5.1, Cl. 2.10.5.2, Cl. 2.10.5.3, Cl. 2.10.5.4, Cl. 2.10.5.5, Cl. 2.10.5.6, Cl. 2.10.5.7, Cl. 2.10.5.8, Cl. 2.10.5.9, Cl. 2.10.5.10, Cl. 2.10.5.11, Cl. 2.10.5.12, Cl. 2.10.5.13, Cl. 2.10.5.14, Cl. 2.10.6, Cl. 2.10.6.1, Cl. 2.10.6.2, Cl. 2.10.6.3, Cl. 2.10.6.4, Cl. 2.10.7, Cl. 2.10.8, Cl. 2.10.8.1, Cl. 2.10.8.2, Cl. 2.10.8.3, Cl. 2.10.8.4, Cl. 2.10.9, Cl. 2.10.10, Cl. 2.10.11, Cl. 2.10.12, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |



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| Electronic Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| 14. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Wiring, Connections and Supply (General) | Cl 3, Cl. 3.1, Cl. 3.1.1, Cl. 3.1.2, Cl. 3.1.3, Cl. 3.1.4, Cl. 3.1.5, Cl. 3.1.6, Cl. 3.1.7, Cl. 3.1.8, Cl. 3.1.9, Cl. 3.1.10, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 15. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Connection To Mains Supply | Cl. 3.2, Cl. 3.2.1, Cl. 3.2.1.1. Cl. 3.2.1.2, Cl. 3.2.2, Cl. 3.2.3, Cl. 3.2.4, Cl. 3.2.5, Cl. 3.2.5.1, |

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| Electronic Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Scanner/Copier/ Servers and Other Information Technology Equipment | | Cl. 3.2.5.2 Cl. 3.2.6, Cl. 3.2.7, Cl. 3.2.8, Cl. 3.2.9 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 16. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Connection To Mains Supply | Cl 3, Cl. 3.3, Cl. 3.3.1, Cl. 3.3.2, Cl. 3.3.3, Cl. 3.3.4, Cl. 3.3.5, Cl. 3.3.6, Cl. 3.3.7, Cl. 3.3.8 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 17. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB | Disconnection From the Mains Supply | Cl. 3.4, Cl. 3.4.1, Cl. 3.4.2, |



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| Electronic Testing | | | |
|--------------------|--|------------------------------|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | Cl. 3.4.3, Cl. 3.4.4, Cl. 3.4.5, Cl. 3.4.6, Cl. 3.4.7, Cl. 3.4.8, Cl. 3.4.9, Cl. 3.4.10, Cl. 3.4.11 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 18. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Interconnection Of Equipment | Cl. 3.5, Cl. 3.5.1, Cl. 3.5.2, Cl. 3.5.3, Cl. 3.5.4, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |



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| Electronic Testing | | | |
|--------------------|---|-----------------------------------|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| 19. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Physical Requirements (Stability) | Cl 4, Cl. 4.1 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 20. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Mechanical Strength | Cl. 4.2, Cl. 4.2.1, Cl. 4.2.2, Cl. 4.2.3, Cl. 4.2.4, Cl. 4.2.5, Cl. 4.2.6, Cl. 4.2.7, Cl. 4.2.8, Cl. 4.2.9, Cl. 4.2.10 |

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| Electronic Testing | | | |
|--------------------|---|--------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | | | IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 21. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Design And Construction | Cl 4.3, Cl. 4.3.1, Cl. 4.3.2, Cl. 4.3.3, Cl. 4.3.4, Cl. 4.3.5, Cl. 4.3.6, Cl. 4.3.7, Cl. 4.3.8, Cl. 4.3.9, Cl. 4.3.10, Cl. 4.3.11, Cl. 4.3.12, Cl. 4.3.13, Cl. 4.3.13.1, Cl. 4.3.13.2, Cl. 4.3.13.3, Cl. 4.3.13.4, Cl. 4.3.13.5, Cl. 4.3.13.6 |



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| Electronic Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | | | IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 22. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Protection Against Hazardous Moving Parts | Cl. 4.4, Cl. 4.4, Cl. 4.4.1, Cl. 4.4.2, Cl. 4.4.3, Cl. 4.4.4, Cl. 4.4.5 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 23. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Thermal Requirements | Cl. 4.5, Cl. 4.5.1, Cl. 4.5.2, Cl. 4.5.3, Cl. 4.5.4, Cl. 4.5.5, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |



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| Electronic Testing | | | |
|--------------------|--|--------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 24. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Openings In Enclosure | Cl. 4.6, Cl. 4.6.1, Cl. 4.6.2, Cl. 4.6.3, Cl. 4.6.4, Cl. 4.6.4.1, Cl. 4.6.4.2, Cl. 4.6.5 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 25. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Resistance To Fire | Cl. 4.7, Cl. 4.7.1, Cl. 4.7.2, Cl. 4.7.2.1, Cl. 4.7.2.2, Cl. 4.7.3, Cl. 4.7.3.1, Cl. 4.7.3.2, Cl. 4.7.3.3, Cl. 4.7.3.4, |



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| Electronic Testing | | | |
|--------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Scanner/Copier/ Servers and Other Information Technology Equipment | | Cl. 4.7.3.5, Cl. 4.7.3.6 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 26. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Electrical Requirements and Simulated Abnormal Conditions (Touch Current and Protective Conductor Current) | Cl 5, Cl. 5.1, Cl. 5.1.1, Cl. 5.1.2, Cl. 5.1.2.1, Cl. 5.1.2.2, Cl. 5.1.2.3, Cl. 5.1.3, Cl. 5.1.4, Cl. 5.1.5, Cl. 5.1.6, Cl. 5.1.7, Cl. 5.1.7.1, Cl. 5.1.7.2, Cl. 5.1.8, Cl. 5.1.8.1, Cl. 5.1.8.2 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |

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| Electronic Testing | | | |
|--------------------|---|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| 27. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Electric Strength | CI 5.2, CI 5.2.1, CI 5.2.2, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 28. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Abnormal Operating and Fault Conditions | CI 5.3, CI 5.3.1, CI 5.3.2, CI 5.3.3, CI 5.3.4, CI 5.3.5, CI 5.3.6, CI 5.3.7, CI 5.3.8, CI 5.3.9, CI 5.3.9.1, CI 5.3.9.2 |



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|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | | | IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 29. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Connection To Telecommunication Networks | CI 6, CI 6.1, CI 6.1.1, CI 6.1.2, CI 6.1.2.1, CI 6.1.2, CI 6.1.2.2, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 30. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Protection Of Equipment Users from Overvoltages on Telecommunication Networks | CI 6.2, CI 6.2.1, CI 6.2.2, CI 6.2.2.1, CI 6.2.2.2, CI 6.2.2.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |

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| Electronic Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 31. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Protection of Telecommunication Wiring System from Overheating | CI 6.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 32. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Connection To Cable Distribution Systems (General) | CI 7, CI 7.1 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |

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| Electronic Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 33. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Protection Of Cable Distribution System Service Persons, And Users of Other Equipment Connected to The System, From Hazardous Voltages in the Equipment | CI 7.2 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 34. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Protection Of Equipment Users from Overvoltages on the Cable Distribution System | CI 7.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |



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| Electronic Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 35. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Insulation Between Primary Circuits and Cable Distribution Systems | CI 7.4, CI 7.4.1, CI 7.4.2, CI 7.4.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 36. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / | Tests For Resistance to Heat and Fore | Annex A, A.1, A.1.1, A.1.2, A.1.3, A.1.4, A.1.5, A.1.6, A.2, A.2.1, A.2.2, A.2.3, A.2.4, A.2.5, A.2.6, A.2.7, A.3, A.3.1, A.3.2, A.3.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |

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|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Scanner/Copier/ Servers And Other Information Technology Equipment | | |
| 37. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Motor Tests Under Abnormal Conditions | Annex B, B.1, B.2, B.3, B.4, B.5, B.6, B.6.1, B.6.2, B.6.3, B.6.4, B.7, B.7.1, B.7.2, B.7.3, B.7.4, B.8, B.9, B.10 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 38. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Transformers | Annex C, C.1, C.2 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |



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|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 39. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Measuring Instruments for Touch Current Tests | Annex D, D.1, D.2 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 40. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Temperature Rise of Windings | Annex E IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |

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|--------------------|--|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 41. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Measurement Of Clearances and Creepage Distances | Annex F IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 42. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Alternative Method for Determining Minimum Clearances | Annex G, G.1, G.1.1, G.1.2, G.2, G.2.1, G.2.2, G.2.3, G.2.4, G.3, G.4, G.4.1, G.4.2, G.4.3, G.4.4, G.5, G.6 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |

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| Electronic Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 43. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Ionizing Radiation | Annex H IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 44. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Table of Electrochemical Potentials | Annex J IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |



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|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 45. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Thermal Controls | Annex K, K.1, K.2, K.3, K.4, K.5, K.6 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 46. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Normal Load Conditions for Some Types of Electrical Business Equipment | Annex L, L.1, L.2, L.3, L.4, L.5, L.6, L.7 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |



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| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 47. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Criteria For Telephone Ringing Signals | Annex M, M.1, M.2, M.3, M.3.1, M.3.1.1, M.3.1.2, M.3.1.3, M.3.1.4, M.3.2, M.3.2.1, M.3.2.2, M.3.2.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 48. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Impulse Test Generator | Annex N, N.1, N.2 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |



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| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 49. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Normative References | Annex P IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 50. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Voltage Dependent Resistors (Vdrs) | Annex Q IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |



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| Electronic Testing | | | |
|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 51. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Examples Of Requirements for Quality Control Programmes | Annex R, R.1, R.2, IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |
| 52. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Procedure For Impulse Testing | Annex S, S.1, S.2, S.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2: 2013 |

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| Electronic Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 53. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers And Other Information Technology Equipment | Guidance On Protection Against Ingress of Water | Annex T IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 54. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Insulated Winding Wires for Use Without Interleaved Insulation | Annex U, U.1, U.2, U.2.1, U.2.2, U.2.3, U.2.4, U3, U.3.1, U.3.2 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |



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| Electronic Testing | | | |
|--------------------|--|-------------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 55. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | AC Power Distribution Systems | Annex V, V.1, V.2, V.3, V.4 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 56. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Summation Of Touch Currents | Annex W, W.1, W.1.1, W.1.2, W.2, W.2..1, W.2.2, W.2.3 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |

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| Electronic Testing | | | |
|--------------------|--|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 57. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Maximum Heating Effect in Transformer Tests | Annex X, X.1, X.2 IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 58. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Ultraviolet Light Conditioning Test | Annex Y, Y.1, Y.2, Y.3, Y.4 IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |

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| Electronic Testing | | | |
|--------------------|--|--------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 59. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Overvoltage Categories | Annex Z IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 60. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Mandrel Test | Annex AA IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |



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| Electronic Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 61. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Change In Second Edition | Annex BB IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 62. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Evaluation Of Integrated Circuit (IC) Current Limiters | Annex CC IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |



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| Electronic Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |
| 63. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | Requirements For the Mounting Means Of Rack-Mounted Equipment | Annex DD IS 13252 (Part 1): 2010 + A1: 2013 + A2 : 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |
| 64. | CPU / Disk Drives / Optical Devices /Solid State Drives /DIMM/ Main Board/GPU/USB Devices/Wi-Fi Hub/ PCI Extension Cards / Keyboards/ Monitors / Vdus / Modem/ Network Devices/Personal Computers / Laptop / Note | Household And Home/Office Document/Media Shredders | Annex EE IS 13252 (Part 1): 2010 + A1: 2013 + A2: 2015 / IEC 60950-1: 2005 + A1:2009 + A2 : 2013 |

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| Electronic Testing | | | |
|--------------------|--|--------------------------|-------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | IT Equipment | | |
| | Book/Tablets/ Printers / Scanner/Copier/ Servers and Other Information Technology Equipment | | |

| Electronic Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 1. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | General Requirements (General) | Cl. 3, Cl. 3.1, IS 616: 2017 /IEC 60065:2014 |
| 2. | | Designation of Classes | Cl. 3.2 IS 616: 2017/IEC 60065:2014 |
| 3. | | Constructions And Components Not Specifically Covered | Cl. 3.3 IS 616: 2017 /IEC 60065:2014 |

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| Electronic Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 4. | | Components And Subassemblies That Comply with IEC 62368-1 | Cl. 3.4 IS 616: 2017 /IEC 60065:2014 |
| 5. | | General Test Conditions (Conduct of Tests) | Cl. 4, Cl. 4.1, Cl. 4.1.1, Cl. 4.1.2, Cl. 4.1.3, Cl. 4.1.4, Cl. 4.1.5, Cl. 4.1.6, Cl. 4.1.7 IS 616: 2017/IEC 60065:2014 |
| 6. | | Normal Operating Conditions | Cl. 4.2, Cl. 4.2.1, Cl. 4.2.2, Cl. 4.2.3, Cl. 4.2.4, Cl. 4.2.5, Cl. 4.2.6, Cl. 4.2.7, Cl. 4.2.8, Cl. 4.2.9, Cl. 4.2.10, Cl. 4.2.10.1, Cl. 4.2.10.2, Cl. 4.2.11, Cl. 4.2.12, Cl. 4.2.13 IS 616: 2017/IEC 60065:2014 |
| 7. | | Fault Conditions | Cl. 4.3.1, Cl. 4.3.2, Cl. 4.3.3, Cl. 4.3.4, Cl. 4.3.5, Cl. 4.3.6, Cl. 4.3.7, Cl. 4.3.8, Cl. 4.3.9, Cl. 4.3.10, Cl. 4.3.11, Cl. 4.3.12, Cl. 4.3.13, Cl. 4.3.14, Cl. 4.3.15, Cl. 4.3.16, Cl. 4.3.17 IS 616: 2017/IEC 60065:2014 |
| 8. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Marking And Instructions (General Requirements) | Cl. 5, Cl. 5.1 IS 616: 2017/IEC 60065:2014 |
| 9. | | Identification And Supply Ratings | Cl. 5.2 IS 616: 2017/IEC 60065:2014 |

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| Electronic Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 10. | | Terminals | Cl. 5.3 IS 616: 2017/IEC 60065:2014 |
| 11. | | Caution Marking | Cl. 5.4 IS 616: 2017/IEC 60065:2014 |
| 12. | | Instructions | Cl. 5.5 IS 616: 2017/IEC 60065:2014 |
| 13. | | Heating Under Normal Operating Conditions (General) | Cl. 7, Cl. 7.1, Cl. 7.1.1, Cl. 7.1.2, Cl. 7.1.3, Cl. 7.1.4, Cl. 7.1.5, Cl. 7.1.6 IS 616: 2017/IEC 60065:2014 |
| 14. | | Heat Resistance of Insulating Material | Cl. 7.2 IS 616: 2017 /IEC 60065:2014 |
| 15. | | Constructional Requirements with Regard to The Protection Against Electric Shock | Cl. 8, Cl. 8.1, Cl. 8.2, Cl. 8.3, Cl. 8.4, Cl. 8.5, Cl. 8.6, Cl. 8.6, Cl. 8.8, Cl. 8.9, Cl. 8.10, Cl. 8.11, Cl. 8.12, Cl. 8.13, Cl. 8.14, Cl. 8.15, Cl. 8.16, Cl. 8.17, Cl. 8.18, Cl. 8.19, Cl. 8.20, Cl. 8.21 IS 616: 2017 /IEC 60065:2014 |
| 16. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Electric Shock Hazard Under Normal Operating Condition | Cl. 9, Cl. 9.1, Cl. 9.1.1.1 IS 616: 2017/IEC 60065:2014 |
| 17. | | Determination of Hazardous Live Parts | Cl. 9.1.1.2 IS 616: 2017/IEC 60065:2014 |

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|--------------------|---|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 18. | | Determination of Accessible Parts | Cl. 9.1.1.3 IS 616: 2017/IEC 60065:2014 |
| 19. | | Shafts of Operating Knobs, Handles, Levers and the Like | Cl. 9.1.2 IS 616: 2017/IEC 60065:2014 |
| 20. | | Openings of The Enclosure | Cl. 9.1.3 IS 616: 2017/IEC 60065:2014 |
| 21. | | Terminals | Cl. 9.1.4 IS 616: 2017/IEC 60065:2014 |
| 22. | | Pre-Set Controls | Cl. 9.1.5 IS 616: 2017/IEC 60065:2014 |
| 23. | | Withdrawal of Mains Plug | Cl. 9.1.6 IS 616: 2017/IEC 60065:2014 |
| 24. | | Resistance to External Forces | Cl. 9.1.7 IS 616: 2017/IEC 60065:2014 |
| 25. | | Removal of Protective Covers | Cl. 9.2 IS 616: 2017/IEC 60065:2014 |
| 26. | | Insulation Requirements | Cl. 10, Cl. 10.1 IS 616: 2017/IEC 60065:2014 |
| 27. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Surge Test | Cl. 10.2 IS 616: 2017/IEC 60065:2014 |
| 28. | | Humidity Treatment | Cl. 10.3 IS 616: 2017/IEC 60065:2014 |



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| Electronic Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 29. | | Insulation Resistance and Dielectric Strength | Cl. 10.4, Cl. 10.4.1, Cl. 10.4.2 IS 616: 2017/IEC 60065:2014 |
| 30. | | Fault Conditions | Cl. 11, Cl. 11.1 IS 616: 2017/IEC 60065:2014 |
| 31. | | Heating | Cl. 11.2, Cl. 11.2.1, Cl. 11.2.2, Cl. 11.2.3, Cl. 11.2.4, Cl. 11.2.5, Cl. 11.2.6, Cl. 11.2.7, Cl. 11.2.8 IS 616: 2017 /IEC 60065:2014 |
| 32. | | Mechanical Strength | Cl. 12, Cl. 12.1, Cl. 12.1.1, Cl. 12.1.2, Cl. 12.1.3, Cl. 12.1.4, Cl. 12.1.5, Cl. 12.1.6 IS 616: 2017/IEC 60065:2014 |
| 33. | | Fixing of Actuating Elements | Cl. 12.2 IS 616: 2017/IEC 60065:2014 |
| 34. | | Remote Control Devices Held in Hand | Cl. 12.3 IS 616: 2017/IEC 60065:2014 |
| 35. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Drawers | Cl. 12.4 IS 616: 2017/IEC 60065:2014 |
| 36. | | Antenna Coaxial Sockets Mounted on The Apparatus | Cl. 12.5 IS 616: 2017/IEC 60065:2014 |
| 37. | | Telescoping Or Rod Antennas | Cl. 12.6, Cl. 12.6.1, Cl. 12.6.1.2 |

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|--------------------|---|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| | | | IS 616: 2017/IEC 60065:2014 |
| 38. | | Apparatus Containing Coin / Button Cell Batteries | Cl. 12.7, Cl. 12.7.1, Cl. 12.7.2 IS 616: 2017 /IEC 60065:2014 |
| 39. | | Tests | Cl. 12.7.3, Cl. 12.7.3.1, Cl. 12.7.3.2, Cl. 12.7.3.3, Cl. 12.7.3.4, Cl. 12.7.3.5, Cl. 12.7.3.6 IS 616: 2017/IEC 60065:2014 |
| 40. | | Compliance | Cl. 12.7.4, IS 616: 2017/IEC 60065:2014 |
| 41. | | Clearances And Creepage Distances | Cl. 13, Cl. 13.1- Cl. 13.7 IS 616: 2017/IEC 60065:2014 |
| 42. | | Determination of working voltage | Cl. 13.2 IS 616: 2017/IEC 60065:2014 |
| 43. | | Clearances | Cl. 13.3, Cl. 13.3.1, Cl. 13.3.2, Cl.13.3.3, Cl. 13.3.4 IS 616: 2017 /IEC 60065:2014 |
| 44. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Creepage Distances | Cl. 13.4 IS 616: 2017/IEC 60065:2014 |
| 45. | | Printed Boards | Cl. 13.5, Cl. 13.5.1, Cl. 13.5.2 IS 616: 2017/IEC 60065:2014 |



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|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 46. | | Jointed Insulation | Cl. 13.6 IS 616: 2017/IEC 60065:2014 |
| 47. | | Enclosed And Sealed Parts | Cl. 13.7 IS 616: 2017/IEC 60065:2014 |
| 48. | | The Distances Between Conductive Parts | Cl. 13.8 IS 616: 2017/IEC 60065:2014 |
| 49. | | Components (General) | Cl. 14, Cl. 14.1 IS 616: 2017/IEC 60065:2014 |
| 50. | | Resistors | Cl. 14, Cl. 14.2 IS 616: 2017/IEC 60065:2014 |
| 51. | | Capacitors And RC-Units | Cl. 14, Cl. 14.3, Cl. 14.3.1, Cl. 14.3.2, Cl. 14.3.3, Cl. 14.3.4, Cl. 14.3.5, Cl. 14.3.6 IS 616: 2017/IEC 60065:2014 |
| 52. | | Inductors And Windings | Cl. 14, Cl. 14.4, Cl. 14.4.1, Cl. 14.4.2, Cl. 14.4.3, Cl. 14.4.4, Cl. 14.4.5, Cl. 14.4.6 IS 616: 2017/IEC 60065:2014 |
| 53. | | Separation Between Windings | Cl. 14, Cl. 14.5, Cl. 14.5.1, Cl. 14.5.2, Cl. 14.5.3, Cl. 14.4.4 IS 616: 2017/IEC 60065:2014 |
| 54. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | High Voltage Components and Assemblies | Cl. 14, Cl. 14.5, Cl. 14.5.1, Cl. 14.5.2, Cl. 14.5.3, Cl. 14.5.4 IS 616: 2017/IEC 60065:2014 |

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|--------------------|-----------------------------|--------------------------------------|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 55. | | Protective Devices | Cl. 14, Cl. 14.6, Cl. 14.6.1, Cl. 14.6.2, Cl. 14.6.3, Cl. 14.6.4, Cl. 14.6.5 IS 616: 2017/IEC 60065:2014 |
| 56. | | Switches | Cl. 14, Cl. 14.7, Cl. 14.7.1, Cl. 14.7.2, Cl. 14.7.3, Cl. 14.7.4, Cl. 14.7.5 IS 616: 2017/IEC 60065:2014 |
| 57. | | Safety Interlocks | Cl. 14, Cl. 14.8, IS 616: 2017/IEC 60065:2014 |
| 58. | | Voltage Setting Devices and the Like | Cl. 14, Cl. 14.9, IS 616: 2017/IEC 60065:2014 |
| 59. | | Motors | Cl. 14, Cl. 14.10, Cl. 14.10.1, Cl. 14.10.2, Cl. 14.10.3, Cl. 14.10.4 IS 616: 2017/IEC 60065:2014 |
| 60. | | Batteries | Cl. 14, Cl. 14.11, Cl. 14.11.1, Cl. 14.11.2, Cl. 14.11.3, Cl. 14.11.4, Cl. 14.11.5 IS 616: 2017/IEC 60065:2014 |
| 61. | | Optocouplers | Cl. 14, Cl. 14.12 IS 616: 2017/IEC 60065:2014 |
| 62. | | Surge Suppression Varistors | Cl. 14, Cl. 14.13 IS 616: 2017/IEC 60065:2014 |



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| Electronic Testing | | | |
|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 63. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Terminals (Plugs and Sockets) | Cl. 15, Cl. 15.1, Cl. 15.1.1, Cl. 15.1.2, Cl. 15.1.3 IS 616: 2017/IEC 60065:2014 |
| 64. | | Provisions For Protective Earthing | Cl. 15, Cl. 15.2 IS 616: 2017/IEC 60065:2014 |
| 65. | | Terminals for External Flexible Cords and for Permanent Connection To The Mains Supply | Cl. 15, Cl. 15.3, Cl. 15.3.1, Cl. 15.3.2, Cl. 15.3.3, Cl. 15.3.4, Cl. 15.3.5, Cl. 15.3.6, Cl. 15.3.7, Cl. 15.3.8, Cl. 15.3.9 IS 616: 2017/IEC 60065:2014 |
| 66. | | Devices Forming a part of the Mains Plug | Cl. 15, Cl. 15.4, Cl. 15.4.1, Cl. 15.4.2, Cl. 15.4.3 IS 616: 2017/IEC 60065:2014 |
| 67. | | External Flexible Cords | Cl. 16, Cl. 16.1, Cl. 16.2, Cl. 16.3, Cl. 16.4, Cl. 16.5, Cl. 16.6, Cl. 16.7 IS 616: 2017/IEC 60065:2014 |
| 68. | | Electrical Connections and Mechanical Fixings | Cl. 17, Cl. 17.1, Cl. 17.2, Cl. 17.3, Cl. 17.4, Cl. 17.5, Cl. 17.6, Cl. 17.7, Cl. 17.8, Cl. 17.9 IS 616: 2017/IEC 60065:2014 |
| 69. | | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Mechanical Strength of Picture Tubes and Protection Against the Effects of Implosion |



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|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 70. | | Stability and Mechanical Hazards (Stability Requirements) | Cl. 19, Cl. 19.1 IS 616: 2017/IEC 60065:2014 |
| 71. | | Test at 10° To the Horizontal | Cl. 19, Cl. 19.2 IS 616: 2017/IEC 60065:2014 |
| 72. | | Vertical Force Test | Cl. 19, Cl. 19.3 IS 616: 2017/IEC 60065:2014 |
| 73. | | Horizontal Force Test | Cl. 19, Cl. 19.4 IS 616: 2017/IEC 60065:2014 |
| 74. | | Test of Edges and Corners | Cl. 19, Cl. 19.5 IS 616: 2017/IEC 60065:2014 |
| 75. | | Mechanical Strength of Glass | Cl. 19, Cl. 19.6, Cl. 19.6.1, Cl. 19.6.2 IS 616: 2017/IEC 60065:2014 |
| 76. | | Wall Or Ceiling Mounting Means | Cl. 19, Cl. 19.7, Cl. 19.7.1, Cl. 19.7.2 IS 616: 2017/IEC 60065:2014 |
| 77. | | Compliance | Cl. 19, Cl. 19.7.3 IS 616: 2017/IEC 60065:2014 |
| 78. | | Resistance To Fire (Requirements) | Cl. 20, Cl. 20.1, IS 616: 2017/IEC 60065:2014 |
| 79. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Electrical Components and Mechanical Parts | Cl. 20, Cl. 20.2, Cl. 20.2.1, Cl. 20.2.2, Cl. 20.2.3, Cl. 20.2.4, Cl. 20.2.5 IS 616: 2017/IEC 60065:2014 |
| 80. | | Fire Enclosure | Cl. 20, Cl. 20.3, Cl. 20.3.1, |

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|--------------------|---|---|--|
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| | Audio Equipment | | |
| | | | Cl. 20.3.2, Cl. 20.3.3, IS 616: 2017/IEC 60065:2014 |
| 81. | | Additional Requirements for Apparatus with Protection Against Splashing Water | Annex A, A.1, A.5, A.10, A.10.3, A.10.3.1, A.10.3.2 IS 616: 2017/IEC 60065:2014 |
| 82. | | Apparatus To Be Connected to the Telecommunication Networks | Annex B IS 616: 2017/IEC 60065:2014 |
| 83. | | Band-Pass Filter for Wide-Band Noise Measurement | Annex C IS 616: 2017/IEC 60065:2014 |
| 84. | | Measuring Network for Touch Currents | Annex D IS 616: 2017/IEC 60065:2014 |
| 85. | | Measurement of Clearances and Creepage Distances | Annex E IS 616: 2017/IEC 60065:2014 |
| 86. | | Table of Electrochemical Potentials | Annex F IS 616: 2017/IEC 60065:2014 |
| 87. | | Flammability Test Methods | Annex G, G.1, G.1.1, G.1.2, G.1.3, G.1.4, G.2, G.3 IS 616: 2017/IEC 60065:2014 |
| 88. | Audio, Video and Similar Electronic Apparatus - Safety Requirements | Insulated Winding Wires for use Without Interleaved Insulation | Annex H, H.1, H.2, H.2.1, H.2.2, H.2.3, H.2.4, H.2.5, H.3, H.3.1, H.3.2, H.3.3 IS 616: 2017/IEC 60065:2014 |

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|--------------------|-----------------------------|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Audio Equipment | | |
| 89. | | Alternative Method for Determining Minimum Clearances | Annex J, J.1, J.2, J.3, J.4, J.5, J.6, J.7 IS 616: 2017 /IEC 60065:2014 |
| 90. | | Impulse Test Generators | Annex K IS 616: 2017 /IEC 60065:2014 |
| 91. | | Additional Requirements for Electronic Flash Apparatus For Photographic Purposes | Annex L, L.1, L.2, L.4, L.5, L.7, L.9, L.10, L.11, L.12, L.14, L.20 IS 616: 2017/IEC 60065:2014 |
| 92. | | Examples of Requirements for Quality Control Programmes for Allowing Reduced Clearances | Annex M IS 616: 2017/IEC 60065:2014 |
| 93. | | Routine Tests | Annex N, N.1, N.2, N.2.1, N.2.2, N.2.3, N.2.4, N.2.5, N.2.6, N.2.7, N.3, N.3.1, N.3.2, N.3.3, N.3.4 IS 616: 2017/IEC 60065:2014 |



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| Electronic Testing | | | |
|--------------------|--|--------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Electronic Components & Equipment Sub-Assemblies | | |
| 1. | Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets - Specific Requirements | Requirements | Cl.4 of IS 16333 (Part 3): 2022+A1 |
| 2. | Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets - Specific Requirements | Tests | Cl.5 & Annex A, Annex B, Annex C Of IS 16333 (Part 3): 2022+A1 |
| 3. | Mobile Phone Handsets Part 3 Indian Language Support for Mobile Phone Handsets- Specific Requirements | Marking | Cl.6 Of IS 16333 (Part 3): 2022+A1 |



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| Electronic Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 1. | Audio/Video, Information and Communication Technology Equipment | General Requirements | Cl. 4 IS/IEC 62368-1: 2023 |
| 2. | | General | Cl. 4.1, Cl. 4.1.1, Cl. 4.1.2 IS/IEC 62368-1: 2023 |
| 3. | | Equipment Design and Construction | Cl. 4.1.3 IS/IEC 62368-1: 2023 |
| 4. | | General, Equipment Installation | Cl. 4.1.4, Cl. 4.1.5, Cl. 4.1.6, Cl. 4.1.7, Cl. 4.1.8, Cl. 4.1.9, Cl. 4.1.10, Cl. 4.1.11, Cl. 4.1.12, Cl. 4.1.13, Cl. 4.1.14 IS/IEC 62368-1 : 2023 |
| 5. | | Marking And Instruction | Cl. 4.1.15 IS/IEC 62368-1: 2023 |
| 6. | | Energy Source Classifications | Cl. 4.2, Cl. 4.2.1, Cl. 4.2.2, Cl. 4.2.3, Cl. 4.2.4 IS/IEC 62368-1: 2023 |
| 7. | | Protection Against Energy Sources | Cl. 4.3, 4.3.1, 4.3.2, Cl. 4.3.2.1, Cl. Cl. 4.3.2.2, Cl. 4.3.2.3, Cl. 4.3.2.4 IS/IEC 62368-1: 2023 |
| 8. | | Safeguards For Protection of an Instructed Person | Cl. 4.3.3, Cl. 4.3.3.1, Cl. 4.3.3.2, Cl. 4.3.3, Cl. 4.3.3.1, Cl. 4.3.3.2, Cl. 4.3.3.3 IS/IEC 62368-1: 2023 |

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| Electronic Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 9. | Audio/Video, Information and Communication Technology Equipment | Safeguards For Protection of a Skilled Person | Cl. 4.3.4, Cl. 4.3.4.1, Cl. 4.3.4.2, Cl. 4.3.4.3 IS/IEC 62368-1: 2023 |
| 10. | | Safeguards In a Restricted Access Area | Cl. 4.3.5 IS/IEC 62368-1: 2023 |
| 11. | | Safeguards | Cl. 4.4, Cl. 4.4.1, Cl. 4.4.2, Cl. 4.4.3, Cl. 4.4.3.1, Cl. 4.4.3.2, Cl. 4.4.3.3, Cl. 4.4.3.4, Cl. 4.4.3.5, Cl. 4.4.3.6, Cl. 4.4.3.7, Cl. 4.4.3.8, Cl. 4.4.3.9, Cl. 4.4.3.10, Cl. 4.4.4, Cl. 4.4.5 IS/IEC 62368-1: 2023 |
| 12. | | Explosion | Cl. 4.5, Cl. 4.5.1, Cl. 4.5.2 IS/IEC 62368-1: 2023 |
| 13. | | Fixing Of Conductors and Conductive Parts | Cl. 4.6, Cl. 4.6.1, Cl. 4.6.2 IS/IEC 62368-1: 2023 |
| 14. | | Equipment For Direct Insertion into Mains Socket-Outlets | Cl. 4.7, Cl. 4.7.1, Cl. 4.7.2, Cl. 4.7.3 IS/IEC 62368-1: 2023 |
| 15. | | Equipment Containing Coin / Button Cell Batteries | Cl. 4.8, Cl. 4.8.1, Cl. 4.8.2, Cl. 4.8.3, Cl. 4.8.4, Cl. 4.8.4.1, Cl. 4.8.4.2, Cl. 4.8.4.3, Cl. 4.8.4.4, Cl. 4.8.4.5, Cl. 4.8.4.6, Cl. 4.8.5 IS/IEC 62368-1: 2023 |



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|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 16. | | Likelihood Of Fire or Shock Due To Entry of Conductive Objects | Cl. 4.9 & Annex P IS/IEC 62368-1: 2023 |
| 17. | | Components Requirements | Cl. 4.10, Cl. 4.10.1, Cl. 4.10.2 Cl .4.10.3, Cl 4.10.4& Annex L, Annex G.1, G.2, G.7, Annex M IS/IEC 62368-1: 2023 |
| 18. | | Electrically-Caused Injury, General | Cl. 5, Cl. 5.1 IS/IEC 62368-1: 2023 |
| 19. | Audio/Video, Information and Communication Technology Equipment | Classification And Limits of Electrical Energy Sources | Cl. 5.2, Cl. 5.2.1, Cl. 5.2.1.1, Cl. 5.2.1.2, Cl. 5.2.1.3 IS/IEC 62368-1: 2023 |
| 20. | | Electrical Energy Source ES1 And ES2 Limits | Cl. 5.2.2, Cl. 5.2.2.1, Cl. 5.2.2.2, Cl. 5.2.2.3, Cl. 5.2.2.4, Cl. 5.2.2.5, Cl. 5.2.2.6, Cl. 5.2.2.7 IS/IEC 62368-1: 2023 |
| 21. | | Protection against Electrical Energy Sources | Cl. 5.3, Cl. 5.3.1, Annex V, Cl. 5.3.2, Cl. 5.3.2.1, Cl. 5.3.2.2, Cl. 5.3.2.3, Cl. 5.3.2.4 Cl. 5.3.1 IS/IEC 62368-1: 2023 |
| 22. | | Insulation Material and Requirements, General, Maximum Operating Temperatures for Materials, | Cl. 5.4, Cl. 5.4.1, Cl. 5.4.1.1, Cl. 5.4.1.2, Cl. 5.4.1.3, Cl. 5.4.1.4, Cl. 5.4.1.4.1, Cl. 5.4.1.4.2, Cl. 5.4.1.4.3, Cl. 5.4.1.5, |

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|--------------------|---|---|---|
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| | Domestic Electronic Appliances & Accessories | | |
| | | Components and Systems, Pollution Degrees | Cl. 5.4.1.5.1, Cl. 5.4.1.5.2, Cl. 5.4.1.5.3, Cl. 5.4.1.6, Cl. 5.4.1.7, Cl. 5.4.1.8, Cl. 5.4.1.8.1, Cl. 5.4.1.8.2, Cl. 5.4.1.9, Cl. 5.4.1.10, Cl. 5.4.1.10.1, Cl. 5.4.1.10.2, Cl. 5.4.1.10.3 IS/IEC 62368-1: 2023 |
| 23. | Audio/Video, Information and Communication Technology Equipment | Clearance | Cl. 5.4.2, Cl. 5.4.2.1, Cl. 5.4.2.2, Cl. 5.4.2.3, Cl. 5.4.2.3.1, Cl. 5.4.2.3.2, Cl. 5.4.2.3.2.1, Cl. 5.4.2.3.2.2, Cl. 5.4.2.3.2.3, Cl. 5.4.2.3.2.4, Cl. 5.4.2.3.2.5, Cl. 5.4.2.3.3, 5.4.2.3.4, Cl. 5.4.2.4, Cl. 5.4.2.5, Cl. 5.4.2.6 IS/IEC 62368-1: 2023 |
| 24. | | Creepage Distance | Cl. 5.4.3, Cl. 5.4.3.1, Cl. 5.4.3.2, Cl. 5.4.3.3, Cl. 5.4.3.4 IS/IEC 62368-1: 2023 |
| 25. | | Solid Insulation | Cl. 5.4.4, Cl. 5.4.4.1, Cl. 5.4.4.2, Cl. 5.4.4.3, Cl. 5.4.4.4, Cl. 5.4.4.5 IS/IEC 62368-1: 2023 |
| 26. | | Thin Sheet Material | Cl. 5.4.4.6, Cl. 5.4.4.6.1, Cl. 5.4.4.6.2, Cl. 5.4.4.6.3, Cl. 5.4.4.6.4, Cl. 5.4.4.6.5 IS/IEC 62368-1: 2023 |

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| | Domestic Electronic Appliances & Accessories | | |
| 27. | Audio/Video, Information and Communication Technology Equipment | Solid Insulation in Wound Components, Compliance Criteria, Solid Insulation Requirement | Cl. 5.4.4.7, Cl. 5.4.4.8, Cl. 5.4.4.9, IS/IEC 62368-1: 2023 |
| 28. | | Antenna Terminal Insulation | Cl. 5.4.5, Cl. 5.4.5.1, Cl. 5.4.5.2, Cl. 5.4.5.3, IS/IEC 62368-1: 2023 |
| 29. | | Insulation Of Internal Wire as A Part of a Supplementary Safeguard, Test for Semiconductor Components and for Cemented Joints | Cl. 5.4.6, Cl. 5.4.7 IS/IEC 62368-1: 2023 |
| 30. | | Humidity Conditioning | Cl. 5.4.8 IS/IEC 62368-1: 2023 |
| 31. | | Electric Strength Test | Cl. 5.4.9, Cl. 5.4.9.1, Cl. 5.4.9.2 IS/IEC 62368-1: 2023 |
| 32. | | Safeguards Against Transient Voltage from External Circuits | Cl. 5.4.10, Cl. 5.4.10.1, Cl. 5.4.10.2, Cl. 5.4.10.2.1, Cl. 5.4.10.2.2, Cl. 5.4.10.2.3, Cl. 5.4.10.3 IS/IEC 62368-1: 2023 |
| 33. | | Separation Between External Circuits and Earth | Cl. 5.4.11, Cl. 5.4.11.1, Cl. 5.4.11.2, Cl. 5.4.11.3 IS/IEC 62368-1: 2023 |

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|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 34. | Audio/Video, Information and Communication Technology Equipment | Insulating Liquid | Cl. 5.4.12, Cl. 5.4.12.1, Cl. 5.4.12.2, Cl. 5.4.12.3, Cl. 5.4.12.4 IS/IEC 62368-1: 2023 |
| 35. | | Components as Safeguards | Cl. 5.5, Cl. 5.5.1, Cl. 5.5.2, Cl. 5.5.2.1, Cl. 5.5.2.2 IS/IEC 62368-1: 2023 |
| 36. | | Transformers, Opt Coupler, Relay, Resistor, Surge Suppressors | Cl. 5.5.3, Cl. 5.5.4, Cl. 5.5.5, Cl. 5.5.6, Cl. 5.5.7, Cl. 5.5.8, Cl. 5.5.9 IS/IEC 62368-1: 2023 |
| 37. | | Protective Conductor | Cl. 5.6, Cl. 5.6.1, Cl. 5.6.2, Cl. 5.6.2.1, Cl. 5.6.2.2, Cl. 5.6.3, Cl. 5.6.4, Cl. 5.6.4.1, Cl. 5.6.4.2, Cl. 5.6.4.2.1, Cl. 5.6.4.2.2, Cl. 5.6.4.2.3, Cl. 5.6.4.2.4, Cl. 5.6.4.3 Cl. 5.6.5, Cl. 5.6.5.1, Cl. 5.6.5.2, Cl. 5.6.6, Cl. 5.6.6.1, Cl. 5.6.6.2, Cl. 5.6.6.3, Cl. 5.6.7, Cl. 5.6.8 IS/IEC 62368-1: 2023 |
| 38. | | Prospective Touch Voltage Touch Current and Protective Conductor Current | Cl. 5.7, Cl. 5.7.1, Cl. 5.7.2, Cl. 5.7.2.1, Cl. 5.7.2.2, Cl. 5.7.3, Cl. 5.7.4, Cl. 5.7.5, Cl. 5.7.6, Cl. 5.7.7, Cl. 5.7.7.1, Cl. 5.7.7.2, Cl. 5.7.8 IS/IEC 62368-1: 2023 |
| 39. | Back feed Safeguard in Battery Backed Up Supplies | Cl. 5.8 IS/IEC 62368-1: 2023 | |

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Scope of Accreditation

HT Product Services Private Limited Services.

(Formerly Known as House of Testing)

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QAI/CIA/TL/2023/0023

Valid from: 03 February 2026

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Accreditation Standard: ISO/IEC 17025:2017

| Electronic Testing | | | |
|--------------------|---|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 40. | Audio/Video, Information and Communication Technology Equipment | Electrically Caused Fire | Cl. 6, Cl. 6.1, Cl. 6.2, Cl. 6.2.1, Cl. 6.2.2, Cl. 6.2.2.1 To Cl. 6.2.2.6, Cl. 6.2.3, Cl. 6.2.3.1, Cl. 6.2.3.2, Cl. 6.3, Cl. 6.3.1, Cl. 6.3.2 Cl. 6.4, Cl. 6.4.1, Cl. 6.4.2, Cl. 6.4.3, Cl. 6.4.3.1 To Cl. 6.4.3.3, Cl. 6.4.4, Cl. 6.4.5, Cl. 6.4.5.1 To Cl. 6.4.5.3, Cl. 6.4.6, Cl. 6.4.7, Cl. 6.4.7.1, Cl. 6.4.7.2, Cl. 6.4.7.3, Cl. 6.4.7.4, Cl. 6.4.8, Cl. 6.4.8.1, Cl. 6.4.8.2, Cl. 6.4.8.2.1 To Cl. 6.4.8.2.3, Cl. 6.4.8.3, Cl. 6.4.8.3.1, To Cl. 6.4.8.3.7, Cl. 6.4.8.4, Cl. 6.4.9 IS/IEC 62368-1: 2023 |
| 41. | | Internal And External Wiring, Safeguards Against Fire Due To the Connection of Additional Equipment | Cl. 6.5, Cl. 6.5.1, Cl. 6.5.2, Cl. 6.5.3, Cl. 6.6, Annex Q IS/IEC 62368-1: 2023 |
| 42. | | Injury Caused by Hazardous Substances | Cl. 7, Cl. 7.1, Cl. 7.2, Cl. 7.3, Cl. 7.4, Cl. 7.5, Annex M IS/IEC 62368-1: 2023 |
| 43. | | Mechanically-Caused Injury, General | Cl. 8, Cl. 8.1, IS/IEC 62368-1: 2023 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electronic Testing | | | |
|--------------------|---|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 44. | Audio/Video, Information and Communication Technology Equipment | Mechanical Energy Source Classifications | Cl. 8.2, Cl. 8.2.1, Cl. 8.2.2, Cl. 8.2.3, Cl. 8.2.4, Cl.8.3, Cl.8.4, Cl. 8.5, Cl. 8.6, Cl. 8.7, Cl.8.8, Cl. 8.9, Cl.8.10, Cl.8.11, Cl.8.12 IS/IEC 62368-1: 2023 |
| 45. | | Thermal Burn Injury | Cl. 9, Cl. 9.1, Cl. 9.2, Cl. 9.2.1, Cl. 9.2.2, Cl. 9.2.3, Cl. 9.3, Cl. 9.3.1, Cl. 9.3.2, Cl. 9.4, Cl. 9.5, Cl. 9.5.1, Cl. 9.5.2, Cl. 9.6, Cl. 9.6.1, Cl. 9.6.2, Cl. 9.6.3 IS/IEC 62368-1: 2023 |
| 46. | | Normal Operating Condition Tests, Abnormal Operating Condition Tests and Single Fault Condition Tests | Annex B, B.1, B.1.1 To B.1.5, B.2, B.2.1 To B.2.6, B.2.6.1 To B.2.6.3, B.2.7, B.3, B.3.1 To B.3.8, B.4, B.4.1 To B.4.3, B.4.3.1, B.4.3.2, B.4.4, B.4.4.1 To B.4.4.3, B.4.5, B.4.6, B.4.7, B.4.8, B.4.9 IS/IEC 62368-1: 2023 |
| 47. | | Test Generator | Annex D, D.1, D.2, D.3 IS/IEC 62368-1: 2023 |
| 48. | | Test Conditions for Equipment Intended to Amplify Audio Signals | Annex E, E.1, E.2, E.3 IS/IEC 62368-1: 2023 |



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| Electronic Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 49. | | Equipment Markings, Instructions, And Instructional Safeguards | Annex F IS/IEC 62368-1: 2023 |
| 50. | | Components | Annex G IS/IEC 62368-1: 2023 |
| 51. | | Criteria For Telephone Ringing Signals | Annex H, H.1, H.2, H.3, H.3.1, H.3.1.1 To H.3.1.4, H.3.2, H.3.2.1 To H.3.2.3 IS/IEC 62368-1: 2023 |
| 52. | | Overvoltage Categories | Annex I IS/IEC 62368-1: 2023 |
| 53. | Audio/Video, Information and Communication Technology Equipment | Insulated Winding Wires for Use Without Interleaved Insulation | Annex J, J.1, J.2, J.2.1, J.2.2, J.2.2.1, J.2.2.1.1 To J.2.21.3, J.2.2.2, J.2.3, To J.2.5, J.3, J.3.1 To J.3.3 IS/IEC 62368-1: 2023 |
| 54. | | Safety Interlocks | Annex K, K.1, K.1.1, K.1.2, K.2 To K.5, K.5.1, K.5.2, K.6, K.6.1, K.6.2, K.7, K.7.1 To K.7.4 IS/IEC 62368-1: 2023 |
| 55. | | Disconnect Devices | Annex L, L.1 To L.9 IS/IEC 62368-1: 2023 |
| 56. | | Equipment Containing Batteries and Their Protection Circuits | Annex M, M.1, M.2, M.2.1, M.2.2, M.3, M.3.1 To M.3.3, M.4, M.4.1, M.4.2, M.4.2.1, M.4.2.2, M.4.2.2.1 To M.4.2.3 M.4.3, M.4.4, M.4.4.1 To |

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|--------------------|---|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| | | | M.4.4.6, M.5, M.5.1, M.5.2, M.6, M.6.1, M.6.2, M.7, M.7.1 To M.7.4, M.8, M.8.1, M.8.2, M.8.2.1 To M.8.2.4, M.9, M.9.1, M.9.2, M.10 IS/IEC 62368-1: 2023 |
| 57. | | Measurement of Creepage Distances and Clearances | Annex O IS/IEC 62368-1: 2023 |
| 58. | | Safeguards Against Conductive Objects | Annex P, P.1, P.2, P.2.1 To P.2.3, P.2.3.1, P.2.3.2, P.3, P.3.1 To P.3.4, P.4, P.4.1, P.4.2 IS/IEC 62368-1: 2023 |
| 59. | Audio/Video, Information and Communication Technology Equipment | Circuits Intended for Interconnection with Building Wiring | Annex Q, Q.1, Q.1.1, Q.1.2, Q.2 IS/IEC 62368-1: 2023 |
| 60. | | Limited Short Circuit Test | Annex R, R.1 To R.4 IS/IEC 62368-1: 2023 |
| 61. | | Resistance To Heat and Fire | Annex S, S.1, S.2, S.3, S.3.1, S.3 S.3.2, S.4, S.5, S.6 IS/IEC 62368-1: 2023 |
| 62. | | Mechanical Strength Tests | Annex T, T.1, T.2, T.3, T.4, T.5, T.6, T.7., T.8, T.9, T.10, T.11 IS/IEC 62368-1: 2023 |

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| Electronic Testing | | | |
|--------------------|---|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Domestic Electronic Appliances & Accessories | | |
| 63. | Audio/Video, Information and Communication Technology Equipment | Determination Of Accessible Parts | Annex V, V.1, V.1.1 To V.1.6, V.2 IS/IEC 62368-1: 2023 |
| 64. | | Comparison Of Terms Introduced in This Document | Annex W IS/IEC 62368-1: 2023 |
| 65. | | Alternative Method for Determining Clearances for Insulation in Circuits Connected to An Ac Mains Not Exceeding 420 V Peak (300 V Rms) | Annex X IS/IEC 62368-1: 2023 |
| 66. | | Construction Requirements for Outdoor Enclosure | Annex Y, Y.1, Y.2, Y.3, Y.3.1 To Y.3.5, Y.4, Y.4.1 To Y.4.6, Y.5, Y.5.1 To Y.5.5, Y.5.5.1 To Y.5.5.3, Y.6, Y.6.1, Y.6.2 IS/IEC 62368-1: 2023 |



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| Electronic Testing | | | |
|--------------------|--|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Energy Efficiency of Domestic Electronic Appliances | | |
| 1. | Colour Television/ Ultra-High Definition (UHD) Televisions | On Mode Power Consumption | Cl.5 Of BEE Schedule 11 And Cl. 4 Of BEE Schedule 26 & Cl. 6.4 of IEC 62087-3:2023 |
| 2. | | Determination Of Peak Luminance Ratio and Power Factor | Cl.5 Of BEE Schedule 11 And Cl. 4 Of BEE Schedule 26 & Cl. 6.5 Of IEC 62087-3:2023 |
| 3. | | Measurement Of Power Consumption in Off Mode, Partial on Mode | Cl.5 Of BEE Schedule 11 And Cl. 4 Of BEE Schedule 26 & Cl. 6.6, Cl. 6.7of IEC 62087-3:2023 |
| 4. | | Standby Mode Power Consumption | Cl.5 Of BEE Schedule 11 And Cl. 4 Of BEE Schedule 26 & Cl. 5.3 Of IEC 62301: 2011 |
| 5. | | Measurement Of Standby Power | Schedule 11 & Schedule 26 Cl 4.0, Cl 4.1, Cl. 4.2, Cl. 4.3, Cl. 4.4, Cl 5.0, Cl 5.1, Cl 5.2, Cl 5.3 of IEC 62301: 2011 |
| 6. | | Audio, Video and Related Equipment Determination of Power Consumption | Schedule 11 & Schedule 26 Cl 4.0, Cl 4.1, Cl 4.2, Cl 5.0, Cl 5.1, Cl 5.2, Cl 5.3, Cl 5.4, Cl 5.5, Cl 5.6, Cl 6.0, Cl 6.1, Cl 6.2, Cl 6.3, Cl 6.4, Cl 6.5, Cl 6.6, Cl 6.7, Annex A Of IEC 62087-3: 2023 |

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Valid until: 02 February 2028

Accreditation Standard: ISO/IEC 17025:2017

| Electronic Testing | | | |
|--------------------|-----------------------------|--|---------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 1. | All Electronics Products | Cold (Low Temperature) | Test Number 1, QM 333: 2010 |
| 2. | | Low Temperature | Test Number 20, JSS 55555: 2020 |
| 3. | | Damp Heat Steady State | Test Number 5, QM 333: 2010 |
| 4. | | Tropical Exposure/Damp Heat Cyclic | Test Number 3, QM 333: 2010 |
| 5. | | Damp Heat | Test Number 10, JSS 55555: 2020 |
| 6. | | Dry Heat (High Temperature) | Test Number 2, QM 333: 2010 |
| 7. | | High Temperature | Test Number 17, JSS 55555: 2020 |
| 8. | | Dust | Test Number 14, JSS 55555: 2020 |
| 9. | | Glow Wire Test | IEC 60695-2-10: 2021 |
| 10. | | Glow Wire Test | IS 11000-2-1: 2021 |
| 11. | | Protection Against External Mechanical Impacts (IK Test) | IEC 62262: 2021 |
| 12. | | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 1(IP1X) | IS/IEC 60529: 2001 |

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| Electronic Testing | | | |
|--------------------|-----------------------------|--|--------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 13. | All Electronics Products | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 2 (IP2X) | IS/IEC 60529: 2001 |
| 14. | | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 3 (IP3X) | IS/IEC 60529: 2001 |
| 15. | | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 4 (IP4X) | IS/IEC 60529: 2001 |
| 16. | | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 5 (IP5X) | IS/IEC 60529: 2001 |
| 17. | | Degree Of Protection Provided by Enclosures Ingress of Solid Foreign Objects First Characteristic Numeral 6 (IP6X) | IS/IEC 60529: 2001 |

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| Electronic Testing | | | |
|--------------------|-----------------------------|--|--------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 18. | All Electronics Products | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 1(IPX1) | IS/IEC 60529: 2001 |
| 19. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 2 (IPX2) | IS/IEC 60529: 2001 |
| 20. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 3 (IPX3) | IS/IEC 60529: 2001 |
| 21. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 4 (IPX4) | IS/IEC 60529: 2001 |
| 22. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 5 (IPX5) | IS/IEC 60529: 2001 |



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| Electronic Testing | | | |
|--------------------|-----------------------------|--|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 23. | All Electronics Products | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 6 (IPX6) | IS/IEC 60529: 2001 |
| 24. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 7 (IPX7) | IS/IEC 60529: 2001 |
| 25. | | Degree Of Protection Provided by Enclosures Ingress of Water Ingress Test Second Characteristic Numeral 8 (IPX8) | IS/IEC 60529: 2001 |
| 26. | | Rapid Cyclic Temperature Changes (Thermal Shock) | Test Number 4, QM 333: 2010 |
| 27. | | Test Na: Rapid Change of Temperature Test Nb. Change of Temperature with Specified Rate of Change | IEC 60068-2-14: 2023 |
| 28. | | Thermal Shock Test | Test Number 22, JSS:55555: 2020 |
| 29. | | Thermal Shock Test | IS: 9000 (Part 14/Sec 1 To 3): 2021 |

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| Electronic Testing | | | |
|--------------------|-----------------------------|---|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 30. | All Electronics Products | Ball Pressure Test (Resistance to Heat Test) | IEC 60695-10-2: 2014 |
| 31. | | Drip Proof | Test No 11 JSS 55555:2020 |
| 32. | | Drop Test | Test Number 13, JSS:55555: 2020 |
| 33. | | Needle Flame Test | IEC 60695-11-5: 2016 |
| 34. | | Needle Flame Test | IS 11000-2-2: 2008 |
| 35. | | Tropical Exposure | Test Number 27, JSS:55555: 2020 |
| 36. | | Hygroscopic Test | IEC 60322: 2001 |
| 37. | | Functional Random Vibration Test Conditions | CL.8 IEC 61373:2010 |
| 38. | | Simulated Long Life at Increase Random Vibration Levels | CL.9 IEC 61373:2010 |
| 39. | | Visual Inspection, Performance Test, Low Temperature Storage Test, Cold Start Test, Damp Heat Test Cyclic, Dry Heat Test, Vibration, Shock and Bump Test, Insulation Test, Water tightness Test | CI 12 (12.2.1,12.2.2, 12.2.4, 12.2.5, 12.2.6, 12.2.10, 12.2.11, 12.2.12 ,12.2.13, 12.2.14,12.2.15) IEC 60571:2012 |



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| Electronic Testing | | | |
|--------------------|-----------------------------|---|-------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 40. | All Electronics Products | Salt Mist Test | IEC 60068-2-52:2017 |
| 41. | | Salt Spray | ISO 16750-4:2023 |
| 42. | | Damp Heat (Cyclic)Test | IS 9000: Part 5: Sec 1 and 2: 1981) |
| 43. | | Damp Heat, Cyclic | IEC 60068-2-30:2025 |
| 44. | | High Temperature Test | MIL-STD-810(G):2008 |
| 45. | | Humidity | MIL-STD-810(G):2008 |
| 46. | | Salt Mist | IEC 60068-2-11:2021 |
| 47. | | Salt Spray (Fog) Test | ASTM B117:2019 |
| 48. | | Assignment Of Ratings | ISO 10289:1999 |
| 49. | | Corrosion (Acis), Corrosion (Alkaline), Corrosion (Salt/Salt Fog) | JSS 55555: Test No.7,8, & 9:2020 |
| 50. | | Temperature Shock | MIL-STD-810(G):2008 |
| 51. | | Vibration Test | MIL-STD-810(G):2008 |
| 52. | | Salt Fog Test | MIL-STD-810(G):2008 |
| 53. | | Shock Test | Test No 24 JSS 55555:2020 |
| 54. | | Toppling Test | JSS 55555: Test No. 26:2020 |

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Accreditation Standard: ISO/IEC 17025:2017

| Electronic Testing | | | |
|--------------------|-----------------------------|---|--------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Environmental Test Facility | | |
| 55. | All Electronics Products | Dry Heat Test | IEC 60068-2-2:2007 |
| 56. | | Damp Heat (Steady State) | IEC 60068-2-78:2012 |
| 57. | | Composite Temperature/Humidity Cyclic Test | IS/IEC 60068-2-38: 2021 |
| 58. | | Vibration (Sinusoidal) | IEC 60068-2-6:2007 |
| 59. | | Vibration, Broadband Random and Guidance | IEC 60068-2-64:2008+AMD1: 2019 |
| 60. | | Hammer Test | IEC 60068 2-75:2025 |
| 61. | | Resistance to Aging, to Humidity Condition, To Ingress of Solid Objects and To Harmful Ingress of Water | IS 14772:2020 (CL:13) |



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| Electronic Testing | | | |
|--------------------|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Medical Electrical Equipment | | |
| 1. | Medical Electrical Equipment- Part1: General Requirements for Basic Safety and Essential Performance | General Requirements | Cl. 4, Cl. 4.1, Cl. 4.2, Cl. 4.3, Cl. 4.4, Cl. 4.5, Cl. 4.6, Cl. 4.7, Cl. 4.8, Cl. 4.9, Cl. 4.10, Cl. 4.11 IEC 60601-1: 2005+A1:2012+ A2:2020 |
| 2. | | General Requirements For Testing of Medical Electrical Equipment | Cl.5, Cl. 5.1, Cl. 5.2, Cl. 5.3, Cl. 5.4, Cl. 5.5, Cl. 5.6, Cl. 5.7, Cl. 5.8, Cl. 5.9 IEC 60601-1:2005+A1:2012+ A2:2020 |
| 3. | | Classification of Medical Electrical Equipment and Medical Electrical Systems | Cl.6, Cl. 6.1, Cl. 6.2, Cl. 6.3, Cl. 6.4, Cl. 6.5, Cl. 6.6 IEC 60601- 1:2005+A1:2012+ A2:2020 |
| 4. | | Medical Electrical Equipment Identification, Marking and Documents | Cl.7, Cl. 7.1, Cl. 7.2, Cl. 7.3, Cl. 7.4, Cl. 7.5, Cl. 7.6, Cl. 7.7, Cl. 7.8, Cl. 7.9 IEC 60601-1:2005+A1:2012+ A2:2020 |
| 5. | | Fundamental Rule Of Protection against Electric Shock | Cl. 8, Cl.8.1 IEC 60601- 1:2005+A1:2012 + A2:2020 |
| 6. | | Requirements Related to Power Sources | Cl.8.2 IEC 60601-1:2005+A1:2012+ A2:2020 |
| 7. | | Classification of Applied Parts | Cl.8.3 IEC 60601-1:2005+A1:2012+ A2:2020 |

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| Electronic Testing | | | | |
|--------------------|---|---|---|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method | |
| | Medical Electrical Equipment | | | |
| 8. | Medical Electrical Equipment- Part1: General Requirements for Basic Safety and Essential Performance | Limitation of Voltage, Current Or Energy | Cl.8.4 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 9. | | Separation of Parts | Cl.8.5 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 10. | | Protective Earthing, Functional Earthing and Potential Equalization Of ME Equipment | Cl.8.6 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 11. | | Leakage Currents And Patient Auxiliary Currents | Cl.8.7 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 12. | | Dielectric Strength | Cl.8.8 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 13. | | Creepage Distances And Air Clearances | Cl.8.9 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 14. | | Components And Wiring | Cl.8.10 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 15. | | Mains Parts, Components And Layout | Cl.8.11 IEC 60601-1:2005+A1:2012+ A2:2020 | |
| 16. | | Medical Electrical Equipment- Part1: General Requirements for Basic Safety and Essential Performance | Protection Against Mechanical Hazards of ME Equipment's and ME System | Cl. 9, Cl. 9.1, Cl. 9.2, Cl. 9.3, Cl. 9.4, Cl. 9.5 IEC 60601-1:2005+A1:2012+ A2:2020 |
| 17. | | | Protection Against Excessive Temperatures and Other Hazards | Cl. 11, Cl. 11.1, Cl. 11.2, Cl. 11.3, Cl. 11.4, Cl. 11.5, Cl. 11.6, Cl. 11.7, Cl. 11.8 IEC 60601-1:2005+A1:2012+ |

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| Electronic Testing | | | |
|--------------------|------------------------------|--|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Medical Electrical Equipment | | |
| | | | A2:2020 |
| 18. | | Hazardous Situations And Fault Conditions For Me Equipment | Cl.13, Cl. 13.1, Cl. 13.2 IEC 60601-1:2005+A1:2012+ A2:2020 |
| 19. | | Construction of Me Equipment | Cl. 15, Cl. 15.1, Cl. 15.2, Cl. 15.3, Cl. 15.4, Cl. 15.5 IEC 60601- 1:2005+A1:2012+ A2:2020 |
| 20. | | ME Systems | Cl. 16, Cl. 16.1, Cl. 16.2, Cl. 16.3, Cl. 16.4, Cl. 16.5, Cl. 16.6, Cl. 16.7, Cl. 16.8, Cl. 16.9 IEC 60601- 1:2005+A1:2012+ A2:2020 |



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| Photometry Testing | | | |
|--------------------|---|---|------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Luminaires | | |
| 1. | Electrical and Photometric Measurements of Solid-State Lighting Products | Power Supply Characteristics Wave Shape of A.C. Power Supply Voltage Regulation | Cl. No. 3.0 IES LM-79: 2008 |
| 2. | | Seasoning of SSL Product | Cl. No. 4.0 IES LM-79: 2008 |
| 3. | | Stabilization of SSL Product | Cl. No. 5.0 IES LM-79: 2008 |
| 4. | | Luminous Intensity Distribution | Cl. No. 10.0 IES LM-79: 2008 |
| 5. | | Luminous Efficacy | Cl. No. 11.0 IES LM-79: 2008 |
| 6. | | Total Luminous Flux and Integrated Optical Measurements | Cl. No. 7.0 IES LM-79: 2019 |
| 7. | | Luminous Intensity or Optical Angular Distribution Measurement | Cl. No. 8.0 IES LM-79: 2019 |
| 8. | | Chromaticity Uniformity Measurements | Cl. No. 9.0 IES LM-79: 2019 |
| 9. | Method of Electrical and Photometric Measurements of Solid-State Lighting (LED) Products | Seasoning (Ageing) Of SSL Product | Cl. No. 6.0 IS 16106: 2012 |
| 10. | | Stabilization of SSL Product | Cl. No. 7.0 IS 16106: 2012 |
| 11. | | Luminous Intensity Distribution | Cl. No. 12.0 IS 16106: 2012 |
| 12. | | Luminous Efficacy | Cl. No. 13.0 IS 16106: 2012 |

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| Photometry Testing | | | |
|--------------------|--|--|---------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Luminaires | | |
| 13. | Self-Ballasted Led Lamps for General Lighting Services Part 2 Performance Requirements | Marking | Cl. No. 5 IS 16102 (Part 2): 2017 |
| 14. | | Dimensions | Cl. No. 6 IS 16102 (Part 2): 2017 |
| 15. | | Lamp Input | Cl. No. 8 IS 16102 (Part 2): 2017 |
| 16. | | Lamp Power | Cl. No. 8.1 IS 16102 (Part 2): 2017 |
| 17. | | Power Factor | Cl. No. 8.2 IS 16102 (Part 2): 2017 |
| 18. | | Harmonics | Cl. No. 8.3 IS 16102 (Part 2): 2017 |
| 19. | | Light Output | Cl. No. 9 IS 16102 (Part 2): 2017 |
| 20. | | Luminous Flux | Cl. No. 9.1 IS 16102 (Part 2): 2017 |
| 21. | | Luminous Intensity Distribution, Peak Intensity and Beam Angle | Cl. No. 9.2 IS 16102 (Part 2): 2017 |
| 22. | | Measurement | Cl. No. 9.2.2 IS 16102 (Part 2): 2017 |
| 23. | | Luminous Intensity Distribution | Cl. No. 9.2.3 IS 16102 (Part 2): 2017 |
| 24. | | Peak Intensity Value | Cl. No. 9.2.4 IS 16102 (Part 2): 2017 |
| 25. | | Beam Angle Value | Cl. No. 9.2.5 IS 16102 (Part 2): 2017 |
| 26. | | Efficacy | Cl. No. 9.3, IS 16102 (Part 2): 2017 |
| 27. | | Colour Variation Categories (CCT) | Cl. No. 10.1, IS 16102 (Part 2): 2017 |

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| Photometry Testing | | | |
|--------------------|--|--|---------------------------------------|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Luminaires | | |
| 28. | Self-Ballasted Led Lamps for General Lighting Services Part 2 Performance Requirements | Colour Rendering Index (CRI) | Cl. No. 10.2, IS 16102 (Part 2): 2017 |
| 29. | | Lamp Life | Cl. No. 11, IS 16102 (Part 2): 2017 |
| 30. | | General | Cl. No. 11.1, IS 16102 (Part 2): 2017 |
| 31. | | Lumen Maintenance | Cl. No. 11.2, IS 16102 (Part 2): 2017 |
| 32. | | Endurance Tests | Cl. No. 11.3, IS 16102 (Part 2): 2017 |
| 33. | Led Modules for General Lighting Part 2 Performance Requirements | Marking | Cl. No. 4 IS 16103 (Part 2): 2012 |
| 34. | | Dimensions | Cl. No. 5 IS 16103 (Part 2): 2012 |
| 35. | | Module Power | Cl. No. 7: IS 16103 (Part 2): 2012 |
| 36. | | Light Output | Cl. No. 8 IS 16103 (Part 2): 2012 |
| 37. | | Luminous Flux | Cl. No. 8.1 IS 16103 (Part 2): 2012 |
| 38. | | Luminous Intensity Distribution, Peak Intensity and Beam Angle | Cl. No. 8.2 IS 16103 (Part 2): 2012 |
| 39. | | Luminous Intensity Distribution | Cl. No. 8.2.3 IS 16103 (Part 2): 2012 |
| 40. | | Peak Intensity Value | Cl. No. 8.2.4 IS 16103 (Part 2): 2012 |
| 41. | | Beam Angle Value | Cl. No. 8.2.5 IS 16103 (Part 2): 2012 |

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| Photometry Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Luminaires | | |
| 42. | Led Modules for General Lighting Part 2 Performance Requirements | Luminaire Efficacy | Cl. No. 8.3 IS 16103 (Part 2): 2012 |
| 43. | | Chromaticity Coordinates, Correlated Colour Temperature (CCT) And Colour Rendering | Cl. No.: 9 IS 16103 (Part 2): 2012 |
| 44. | | Chromaticity Coordinates | Cl. No.: 9.1 IS 16103 (Part 2): 2012 |
| 45. | | Correlated Colour Temperature (CCT) | Cl. No.: 9.2 IS 16103 (Part 2): 2012 |
| 46. | | Colour Rendering Index (CRI) | Cl. No.: 9.3 IS 16103 (Part 2): 2012 |
| 47. | | Led Module Life | Cl. No. 10 IS 16103 (Part 2): 2012 |
| 48. | | Lumen Maintenance | Cl. No. 10 IS 16103 (Part 2): 2012 |
| 49. | | Endurance Tests | Cl. No. 10.3 IS 16103 (Part 2): 2012 |
| 50. | | Marking | Cl. No 4 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 51. | | Dimensions | Cl. No 5 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 52. | | Electrical LED Module Input | Cl. No 7 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 53. | | Light Output | Cl. No 8 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |

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| Photometry Testing | | | |
|--------------------|--|--|---|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Luminaires | | |
| 54. | LED Modules for General Lighting Part 2 Performance Requirements | Luminous Flux | Cl. No 8.1 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 55. | | Luminous Intensity Distribution, Peak Intensity and Beam Angle | Cl. No 8.2 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 56. | | Measurement | Cl. No 8.2.2 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 57. | | Luminous Intensity Distribution | Cl. No 8.2.3 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 58. | | Peak Intensity Value | Cl. No 8.2.4 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 59. | | Beam Angle Value | Cl. No 8.2.5 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 60. | | Luminous Efficacy | Cl. No 8.3 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 61. | | Chromaticity Coordinates, Correlated Colour Temperature (CCT) And Colour Rendering | Cl. No 9 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 62. | | Chromaticity Coordinates | Cl. No 9.1 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 63. | | Correlated Colour Temperature (CCT) | Cl. No 9.2 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |

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| Photometry Testing | | | |
|--------------------|--|---------------------------------|--|
| Sl. No. | Product(S)/Material of Test | Specific Tests Performed | Test Method |
| | Luminaires | | |
| 64. | LED Modules for General Lighting Part 2 Performance Requirements | Colour Rendering Index (CRI) | Cl. No 9.3 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 65. | | LED Module Life | Cl. No 10 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 66. | | Lumen Maintenance | Cl. No 10.2 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 67. | | Endurance Tests | Cl. No 10.3 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 68. | | Temperature Cycling Test | Cl. No 10.3.2 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 69. | | Supply Switching Test | Cl. No 10.3.3 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 70. | | Accelerated Operation Life Test | Cl. No 10.3.4 IS 16103 (Part 2): 2025/ IEC 62717: 2019 |
| 71. | Recessed Luminaires | Photometric Tests | Cl. No. 17 IS 10322 (Part-5/Section-2): 2012 |
| 72. | Luminaires For Road and Street Lighting | Photometric Tests | Cl. No. 17 IS 10322 (Part-5/Section-3): 2012 |
| 73. | Flood Light | Photometric Requirements | Cl. No. 17 IS 10322 (Part-5/Section-5): 2013 |

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