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CERTIFICATE OF ACCREDITATION

This is to attest

UL VERIFICATION SERVICES (GUANGZHOU) CO., LTD

ROOM 101,201,301,501,502,503, BUILDING A1, NANSHA SCIENCE AND TECHNOLOGY INNOVATION
CENTER, NO. 25 SOUTH HUANSI AVENUE
NANSHA DISTRICT, GUANGZHOU, 511458, CHINA

Testing Laboratory TL-441

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date August 22, 2025



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

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Contact Name Celia Chen

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Accredited to ISO/IEC 17025:2017

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Energy Star	
ENERGY STAR Ambient temperature life test	
ENERGY STAR Elevated temperature life test	
ENERGY STAR Elevated temperature light output ratio	
ENERGY STAR Program requirements, Product specification for Lamps (Light Bulbs) – only applicable the clause, 9.4 Center Beam Intensity: PAR, MR and MRX Lamps	
ENERGY STAR Program requirements for lighting (except electromagnetic and radio frequency interference, air tight for restricted air flow, and mercury content)	
ENERGY STAR® Program Requirements for Residential Ceiling Fans	
ENERGY STAR Run up time test	
ENERGY STAR Start time test	
ANSI C78.5	Specifications for performance of self-ballasted compact fluorescent lamps
ANSI C78.375	American national standard for fluorescent lamps—guide for electrical measurements
ANSI C78.376	Electric lamps specifications for the chromaticity
ANSI C82.77	Harmonic emission limits – related power quality requirements for lighting
ANSI/IEEE C62.41	Recommended practice for surge voltages in low-voltage AC power circuits, category A, 7 strikes
ANSI/IEEE C62.41.2	Recommended practice on characterization of surges in low-voltage (1000V and less) AC power circuits
ANSI/UL 153	Portable electric luminaires
ANSI/UL 1598C	Light Emitting Diode (LED) Retrofit Luminaire Conversion Kits

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CIE 13.3	Method of measuring and specifying color rendering of light sources
CIE 15	Colorimetry standard
CIE 84:1989	The measurement of luminous flux
CIE 127	Measurements of LEDs
IES LM-9	Approved method for the electrical and photometric measurements of fluorescent lamps
IES LM-10	Photometric testing of outdoor fluorescent luminaires
IES LM-16	Practical guide to colorimetry of light sources
IES LM-20	Photometry of Reflector-Type Lamps
IES LM-31	Photometric testing of roadway luminaires
IES LM-35	Photometric testing of floodlights using incandescent filament or discharge lamps
IES LM-46	Photometric testing of indoor luminaires using high intensity discharge or incandescent filament lamps
IES LM-49	Approved method for life testing of incandescent filament lamps
IES LM-58	Guide to spectroradiometric measurements
IES LM-79-08	Approved method for electrical and photometric measurements of solid-state lighting products
IES LM-79-19	Approved method for optical and electrical measurements of solid-state lighting products
IES LM-82	Characterization of LED light engines and led lamps for electrical and photometric properties and a function of temperature
IES TM-16	IESNA technical memorandum on light emitting diode (LED) sources and systems
IES TM-21	Projecting long-term lumen maintenance of LED packages
UL 1993	Self-ballasted lamps and lamp adapters (Only applicable clause 8.5, Temperature test)
US DOE 10 CFR 429	Certification, compliance, and enforcement for consumer products and commercial and industrial equipment (restricted to compact fluorescent lamps)

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US DOE 10 CFR 430	Appendix W to subpart B energy conservation program for consumer products (restricted to compact fluorescent lamps)
US DOE FR VOL.81, Part III	Energy Conservation Program: Test Procedures for Integrated Light-Emitting Diode Lamps
US DOE FR VOL. 81, Part IV	Energy Conservation Program: Test Procedure for Compact Fluorescent Lamps
Lighting	
ANSI C78.377	Electric lamps - specifications for the chromaticity of solid-state lighting products
ANSI C136.31	Roadway and area lighting equipment - luminaire vibration
CIE S 025/E:2015	Test Method for LED Lamps, LED Luminaires and LED Modules
CIE 18.2	Basis of physical photometry (E)
CIE 63	The spectroradiometric measurement of light sources (E)
Energy efficiency of self-ballasted LED lamps and retrofit LED tubes	
EN 13032-1	Light and lighting - measurement and presentation of photometric data of lamps and luminaires - measurement and file format
EN 13032-1+ A1	Light and lighting - measurement and presentation of photometric data of lamps and luminaires - part 1: measurement and file format
EN 13032-4	Light and lighting - measurement and presentation of photometric data of lamps and luminaires. LED lamps, modules and luminaires
EN 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current = 16 A per phase)
EN 62471	Photobiological safety of lamps and lamp systems
EN 62560	Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications
EN IEC 62471-7	Photobiological safety of lamps and lamp systems – Part 7: Light sources and luminaires primarily emitting visible radiation
IEC 60064:2005	Tungsten filament lamps for domestic and similar general lighting purposes - Performance requirements

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IEC 60081:2002	Double-capped fluorescent lamps - Performance specifications
IEC 60357:2003	Tungsten halogen lamps (non vehicle) - Performance specifications
IEC 60901:2001	Single-capped fluorescent lamps - Performance specifications
IEC 62442-1	Energy performance of lamp controlgear – Part 1: Controlgear for fluorescent lamps – Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear
IEC 62471	Photo biological safety of lamps and lamp systems
IEC 62471-7	Photobiological safety of lamps and lamp systems – Part 7: Light sources and luminaires primarily emitting visible radiation
IEC 62717	LED modules for general lighting - performance requirements.
IEC 62722-2-1	Luminaire performance - particular requirements for LED luminaires
IEC 62778	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires - Edition 2.0
IEC/EN 62612:2013	Self-ballasted LED lamps for general lighting services with supply voltages > 50 V - performance requirements
IEC/EN 62663-2	Non-integrated LED lamps - Part 2: Performance requirements
IEC/EN 62722-1	Luminaire performance - general requirements
IEC/PAS 62707-1	LED - Binning - Part 1: General requirements and white grid
IEC TM-28	Projecting Long-Term Luminous Flux Maintenance of LED Lamps and Luminaries
IEC/TR 61341	Method of measurement of centre beam intensity and beam angle(s) of reflector lamps
IEC/TS 62504	General lighting – LEDs and LED modules – Terms and definitions
IES LM-40	Approved method for the life testing of fluorescent lamps
IES LM-41	Approved method for photometric testing of indoor fluorescent luminaires

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IES LM-65	Approved method life testing of single-based fluorescent lamps
IES LM-66	Electrical and photometric measurements of single-based fluorescent lamps
IES TM-30	IES method for evaluating light source color rendition
INMETRO-Ordinance No. 20/2017	Quality Technical Regulation applicable to Luminaires for Public Road Illumination
INMETRO Ordinance No. 62/2022	Luminaires for Public Street Lighting - consolidated
INMETRO Ordinance No. 69/2022	LED Lamps with Control Device Integrated to the Base – Consolidated
IS 16102 (PART 2)	Self-ballasted LED lamps for general lighting services
IS 16106	Method of electrical and photometric measurements of solid state lighting (LED) products
L2(AP)005	Cone lumen measurement
NEMA SSL 7A	Phase-cut dimming for solid state lighting: basic compatibility
NOM-030-ENER	Luminous efficacy of integral light emitting diode (LED) lamps for general lighting limits and test methods
NOM-031-ENER	Energy efficiency for luminaires with light emitting diodes (LED) for roadways and outdoor public areas
SASO 2870	Energy efficiency, functionality and labeling requirements for lighting products part 1
SASO 2902	Energy Efficiency, Functionality
SASO 2927:2019	Energy efficiency functionality and labelling requirements for lighting products -Part 3: Street lighting
Standards related to the Brazilian INMETRO ordinance 144 with associated regulation RTQ 389	
UL 1598	UL Standard for safety for luminaires
ANSI/IES LM-80-15	Approved method for Measuring Luminous Flux and Color Maintenance of LED Packages, Arrays and Modules
IEC 62612: 2018	Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements
US DOE 10 CFR Part 430	Appendix V to Subpart B of Part 430—Uniform Test Method for Measuring the Energy Consumption of Ceiling Fan Light Kits Packaged With Other Fluorescent Lamps (Not Compact Fluorescent Lamps or General Service Fluorescent Lamps),

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	Packaged With Consumer-Replaceable SSL (Not Integrated LED Lamps), Packaged With Non-Consumer-Replaceable SSL, or Packaged With Other SSL Lamps That Have an ANSI Standard Base (Not Integrated LED Lamps)
IEC 60068-2-14	Environmental testing - Part 2-14: Tests - Test N: Change of temperature Only Na and Nb
IEC60068-2-27	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock
ANSI/IES RP-27.1	RECOMMENDED PRACTICE: RISK GROUP CLASSIFICATION AND MINIMIZATION OF PHOTOBIOLOGICAL HAZARDS FROM ULTRAVIOLET LAMPS AND LAMP SYSTEMS
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 6.1.1: The 5-Point Functional/Parametric Check.
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 6.1.2: The 1-Point Functional/Parametric Check
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 6.3: Functional Cycling
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 8.2.2: Reverse Polarity
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 8.4.1: Temperature Measurement
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 8.4.2: Low Temperature Wakeup (LTW)
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 8.4.3: Frost
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 9.3.2: Mechanical Shock - Pothole
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 9.3.3: Mechanical Shock - Collision

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GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 9.4.2: Thermal Shock Air-To-Air (TS)
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 9.4.3: Power Temperature Cycle (PTC)
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 9.4.5: Humid Heat Cyclic (HHC)
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 9.4.6: Humid Heat Constant (HHCO)
GMW 3172	General Specification for Electrical/Electronic Components - Environmental/Durability- Clause 9.4.10: Minimum Non-Operating Temperature
JEDEC JESD22-A101	Steady-State Temperature-Humidity Bias Life Test
JEDEC JESD22-A104	Temperature Cycling
JEDEC JESD22-A105	Power and Temperature Cycling
JEDEC JESD22-A108	Temperature, Bias, and Operating Life
AEC - Q102-002	Board Flex Test
EIAJED-4702A	Mechanical stress test methods for semiconductor surface mounting devices (Only applicable clause 6, test methods 003, Bending test for surface mount devices on the board)
SAE/USCAR-33 REVISION 1	Specification for Testing Automotive LED Modules
MIL-STD-750F-2 Method 2037	Mechanical Test Methods for Semiconductor Devices Part 2: Test Method 2037
MIL-STD-750F-2 Method 2036	Mechanical Test Methods for Semiconductor Devices Part 2: Test Method 2036
MIL-STD-750F-2 Method 2017	Mechanical Test Methods for Semiconductor Devices Part 2: Test Method 2017
JEDEC JESD51-52	Guidelines For Combining Cie 127:2007 / 225:2017 Total Flux Measurements with Thermal Measurements of Leds with Exposed Cooling Surface
JEDEC JESD51-51	Implementation of the Electrical Test Method for The Measurement of Real Thermal Resistance and Impedance of Light-Emitting Diodes with Exposed Cooling Surface

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JEDEC JESD51-50	Overview of Methodologies for the Thermal Measurement of Single- and Multi-Chip, Single- and Multi-PN-Junction Light-Emitting Diodes (LEDs)
JEDEC JESD22-B116	Wire Bond Shear Test Method
JEDEC JESD22-B106	Resistance to Solder Shock for Through-Hole Mounted Devices
JEDEC JESD22-B101	External Visual
JEDEC JESD22-B100	Physical Dimensions
JEDEC JESD22-A113	Preconditioning of Nonhermetic Surface Mount Devices Prior to Reliability Testing
JEDEC JESD22-A106	Thermal Shock
IEC 60810	Lamps, light sources and LED packages for road vehicles – Performance requirements
IEC 60068-2-58	Tests – Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD)
EIA/IPC/JEDEC J-STD-002	Solderability Tests for Component leads, Terminations, Lugs, Terminals and Wires
ANSI/IES LM-80-21	Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources
ANSI/ESDA/JEDEC JS-001	For Electrostatic Discharge Sensitivity Testing - Human Body Model (HBM) - Device Level
AEC-Q102-Rev A April 6, 2020 Appendix 6	Destructive Physical Analysis (DPA)
AEC-Q102-Rev A April 6, 2020 Appendix 5	Minimum Parametric Test Requirements and Failure Criteria
AEC Q101-005	Electrostatic Discharge (Esd) Test - Charged Device Model (Cdm)
Environmental	
AEC-Q102	Failure Mechanism Based Stress Test Qualification for Optoelectronic Semiconductors in Automotive Applications
AEC-Q102-001	DEW TEST
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM G154-12a	Standard practice for operating fluorescent light apparatus for UV exposure of nonmetallic materials
IEC 60068-2-1 Test A	Environmental testing - Part 2-1: Tests - Test A: Cold
IEC 60068-2-2 Test B	Environmental testing - Part 2-2: Tests - Test B: Dry heat

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IEC 60068-2-6 Test Fc	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)
IEC 60068-2-11 Test Ka	Environmental testing - Part 2-11: Tests - Test Ka: Salt mist
IEC 60068-2-30 Test Db	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)
IEC 60068-2-31 Test Ec	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens
IEC 60068-2-38 Test Z/AD	Environmental testing - Part 2-38: Tests - Test Z/AD: Composite temperature/humidity cyclic test
IEC 60068-2-43 Test Kd	Environmental testing - Part 2-43: Tests - Test Kd: Hydrogen sulphide test for contacts and connections
IEC 60068-2-52 Test Kb	Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)
IEC 60068-2-60 Test Ke	Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test
IEC 60068-2-64 Test Fh	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance
IEC 60068-2-78 Test Cab	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state
IEC 60529	Degrees of protection provided by enclosures (IP Code) Exclusions: IPX9
IEC 60704-1	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 1: General requirements
IEC 60704-2-1	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for vacuum cleaners
ISO 3744	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane
ISO 4628-2	Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering
ISO 4628-3	Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects and of intensity

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	of uniform changes in appearance Part 3: Assessment of degree of rusting
ISO 4628-4	Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 4: Assessment of degree of cracking
ISO 4892-3	Plastics — methods of exposure to laboratory light sources — fluorescent UV lamps
ISO 9227	Corrosion tests in artificial atmospheres - Salt spray tests Only NSS Test
ISO 10289	Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates — Rating of test specimens and manufactured articles subjected to corrosion tests
JEDEC JESD22-A100E	Cycled Temperature-Humidity-Bias with Surface Condensation Life Test
JEDEC JESD22-B103B.01	Vibration, Variable Frequency
JEDEC JESD22-B110B.01	Mechanical Shock – Device and Subassembly
NBR 13910-1	Testing guidelines for the determination of acoustic noise of household and similar electrical appliances - Part 1: General requirements
NBR 13910-2-2	Testing guidelines for the determination of acoustic noise and similar appliances - Part 2: Particular requirements for hair dryers
NBR 13910-2-3	Testing guidelines for the determination of acoustic noise and similar appliances - Part 2: Particular requirements for blenders
Chemical	
40 CFR Part 770 (EPA TSCA Title VI)	PART 770-Formaldehyde standards for composite wood products
ANSI/CAN/UL 2904	Standard Method for Testing and Assessing Particle and Chemical Emissions from 3D Printers
ASTM D5116	Standard guide for small-scale environmental chamber determinations of organic emissions from indoor materials/products
ASTM D5197	Standard test method for determination of formaldehyde and other carbonyl compounds in air (active sampler methodology)

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ASTM D6007	Standard test method for determining formaldehyde concentrations in air from wood products using a small-scale chamber
ASTM D6196	Standard practice for choosing sorbents, sampling parameters and thermal desorption analytical conditions for monitoring volatile organic chemicals in air
ASTM D6670	Standard practice for full-scale chamber determination of volatile organic emissions from indoor materials/products
ASTM D7339	Standard test method for determination of volatile organic compounds emitted from carpet using a specific sorbent tube and thermal desorption / gas chromatography
ASTM E1333	Standard test method for determining formaldehyde concentrations in air and emission rates from wood products using a large chamber.
BIFMA M7.1	Standard test method for determining VOC emissions from office furniture systems, components and seating
BIFMA X7.1	Standard for formaldehyde & TVOC emissions of low-emitting office furniture and seating
CDPH/EHLB/Standard Method V1.2	Standard method for the testing and evaluation of volatile organic chemical emissions from indoor sources using environment chambers
CSA C22.2 No. 187	Electrostatic air cleaners (Ozone test portion only)
DE-UZ 219	Testing method for the determination of emissions from hardcopy devices
EPA Environmental Technology Verification Test Protocol	
EPA TO-1	Method for the determination of volatile organic compounds in ambient air using Tenax adsorption and gas chromatography/mass spectrometry (gc/ms)
EPA TO-11A	Determination of Formaldehyde in ambient air using adsorbent cartridge followed by high performance liquid chromatography (HPLC) [active sampling methodology]
EPA TO-17	Compendium of methods for the determination of toxic organic compounds in ambient air
ISO 4224	Ambient air-Determination of carbon monoxide-Non-dispersive infrared spectrometry method
ISO 12219-4	Interior air of road vehicles -- part 4: method for the determination of the emissions of volatile organic compounds

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	from vehicle interior parts and materials -- small chamber method
ISO 13964	Air quality - Determination of ozone in ambient air – Ultraviolet photometric method
ISO 16000-3	Indoor air - determination of formaldehyde and other carbonyl compounds in indoor air and test chamber air. active sampling method
ISO 16000-6	Indoor air - determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID
ISO 16000-9	Indoor air - determination of the emission of volatile organic compounds from building products and furnishing - emission test chamber method
ISO 16000-11	Indoor air -- part 11: determination of the emission of volatile organic compounds from building products and furnishing -- sampling, storage of samples and preparation of test specimens
ISO 16000-23	Indoor air —Part 23: Performance test for evaluating the reduction of formaldehyde and other carbonyl compounds concentrations by sorptive building materials
ISO 16017-1	Indoor, ambient and workplace air -- sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography -- Part 1: Pumped sampling
ISO 18562-2	Biocompatibility evaluation of breathing gas pathways in healthcare applications- Part 2: Tests for emissions of particulate matter
ISO 18562-3	Biocompatibility evaluation of breathing gas pathways in healthcare applications- Part 3: Tests for emissions of volatile organic compounds (VOCs)
ISO/IEC 28360-1	Information technology— Determination of chemical emission rates from electronic equipment – Part 1: Using consumables
ISO/IEC 28360-2	Information technology - Determination of chemical emission rates from electronic equipment – Part 2: Not using consumables
Large Chamber Test Protocol for Measuring Emissions of VOCs and Aldehydes	
UL 867	Standard for electrostatic air cleaners (ozone test portion only)

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UL 2818	GREENGUARD certification program for chemical emissions for building materials, finishes and furnishings
UL 2819	GREENGUARD certification program for chemical and particle emissions for electronic equipment
UL 2820	GREENGUARD certification program for chemical emissions for cleaners and cleaning maintenance systems
UL 2821	GREENGUARD certification program method for measuring and evaluating chemical emissions from building materials, finishes and furnishings
UL 2822	GREENGUARD certification program method for measuring and evaluating chemical emissions from cleaners and cleaning maintenance systems using dynamic environmental chambers
UL 2823	GREENGUARD certification program method for measuring and evaluating chemical and particle emissions from electronic equipment using dynamic environmental chambers
COMMISSION REGULATION (EU) 2023/1464 of 14 July 2023	Amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council as regards formaldehyde and formaldehyde releasers - Appendix 14: Measurement of formaldehyde released to indoor air from articles referred to in paragraph 1, first subparagraph, of entry 77
Electronics/Electrical	
EN 60335-2-28:2003+A1:2008+ A11:2018	Household and similar electrical appliances – Safety – Part 2-28: Particular requirements for sewing machines
16 CFR Part 1263	Safety Standard for Button Cell or Coin Batteries and Consumer Products Containing Such Batteries
AHAM HU-1	Portable Household Humidifiers
Appendix Z to Subpart B of Part 430	Uniform Test Method for Measuring the Energy Consumption of External Power Supplies
AS/NZS 60335.1	Household and similar electrical appliances – safety – part 1: general requirements
AS/NZS 60335.1:2020+A1:2021 AS/NZS 60335.1:2022	Household and similar electrical appliances – safety – part 1: general requirements
AS/NZS 60335.2.10	Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines

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AS/NZS 60335.2.10:2006 + A1:2009 AS/NZS 60335.2.10:2022	Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines
AS/NZS 60335.2.100	Household and similar electrical appliances – safety – part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums
AS/NZS 60335.2.100:2003	Household and similar electrical appliances – safety – part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums
AS/NZS 60335.2.101	Household and similar electrical appliances – safety – part 2-101: Particular requirements for vaporizers
AS/NZS 60335.2.101:2002 +A1:2009 + A2:2015	Household and similar electrical appliances – safety – part 2-101: Particular requirements for vaporizers
AS/NZS 60335.2.102	Household and similar electrical appliances – safety – part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections
AS/NZS 60335.2.102:2018	Household and similar electrical appliances – safety – part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections
AS/NZS 60335.2.113	Household and similar electrical appliances – Safety – Part 2-113: Particular requirements for beauty care appliances incorporating lasers and intense light sources
AS/NZS 60335.2.113:2017+A1:2022	Household and similar electrical appliances – Safety – Part 2-113: Particular requirements for beauty care appliances incorporating lasers and intense light sources
AS/NZS 60335.2.12	Household and similar electrical appliances – safety – part 2-12: Particular requirements for warming plates and similar appliances
AS/NZS 60335.2.12:2018	Household and similar electrical appliances – safety – part 2-12: Particular requirements for warming plates and similar appliances
AS/NZS 60335.2.13	Household and similar electrical appliances – safety – part 2-13: particular requirements for deep fat fryers, frying pans and similar appliances
AS/NZS 60335.2.13:2017 AS/NZS 60335.2.13:2022	Household and similar electrical appliances – safety – part 2-13: particular requirements for deep fat fryers, frying pans and similar appliances
AS/NZS 60335.2.14	Household and similar electrical appliances – safety – part 2-14: particular requirements for kitchen machines

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AS/NZS 60335.2.14:2017 + A1:2020	Household and similar electrical appliances – safety – part 2-14: particular requirements for kitchen machines
AS/NZS 60335.2.15	Household and similar electrical appliances – safety – part 2-15: particular requirements for appliances for heating liquids
AS/NZS 60335.2.15:2019	Household and similar electrical appliances – safety – part 2-15: particular requirements for appliances for heating liquids
AS/NZS 60335.2.16	Household and similar electrical appliances – safety – part 2-16: Particular requirements for food waste disposers
AS/NZS 60335.2.16:2012 AS/NZS 60335.2.16:2023	Household and similar electrical appliances – safety – part 2-16: Particular requirements for food waste disposers
AS/NZS 60335.2.2	Household and similar electrical appliances – safety – part 2-2: particular requirements for vacuum cleaners and water-suction cleaning appliance
AS/NZS 60335.2.2:2018 AS/NZS 60335.2.2:2020+A1	Household and similar electrical appliances – safety – part 2-2: particular requirements for vacuum cleaners and water-suction cleaning appliance
AS/NZS 60335.2.23	Household and similar electrical appliances – safety – part 2-23: particular requirements for appliances for skin or hair care
AS/NZS 60335.2.23:2017 + A1:2020 + A2:2021	Household and similar electrical appliances – safety – part 2-23: particular requirements for appliances for skin or hair care
AS/NZS 60335.2.25	Household and similar electrical appliances – safety – part 2-25: particular requirements for microwave ovens, including combination microwave ovens
AS/NZS 60335.2.25:2020	Household and similar electrical appliances – safety – part 2-25: particular requirements for microwave ovens, including combination microwave ovens
AS/NZS 60335.2.26	Household and similar electrical appliances – safety – part 2-26: particular requirements for clocks
AS/NZS 60335.2.26:2006+A1	Household and similar electrical appliances – safety – part 2-26: particular requirements for clocks
AS/NZS 60335.2.27	Household and similar electrical appliances – safety – part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation
AS/NZS 60335.2.27:2020 AS/NZS 60335.2.27:2024	Household and similar electrical appliances – safety – part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation

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AS/NZS 60335.2.28	Household and similar electrical appliances – Safety – Part 2-28: Particular requirements for sewing machines
AS/NZS 60335.2.28:2006 + A1:2009 AS/NZS 60335.2.28:2022	Household and similar electrical appliances – Safety – Part 2-28: Particular requirements for sewing machines
AS/NZS 60335.2.29	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers
AS/NZS 60335.2.29:2017 + A1:2020	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers
AS/NZS 60335.2.3	Household and similar electrical appliances – safety – part 2-3: particular requirements for electric irons
AS/NZS 60335.2.30	Household and similar electrical appliances – safety – part 2-30: particular requirements for room heaters
AS/NZS 60335.2.30:2015 + A1:2015 + A2:2017 + A3:2020+A4 AS/NZS 60335-2-30:2023	Household and similar electrical appliances – safety – part 2-30: particular requirements for room heaters
AS/NZS 60335.2.32	Household and similar electrical appliances – safety – part 2-32: particular requirements for massage appliances
AS/NZS 60335.2.32:2020	Household and similar electrical appliances – safety – part 2-32: particular requirements for massage appliances
AS/NZS 60335.2.41	Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps
AS/NZS 60335.2.41:2013 + A1:2018 AS/NZS 60335.2.41:2024	Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps
AS/NZS 60335.2.43	Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails
AS/NZS 60335.2.43:2018+A1:2024	Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails
AS/NZS 60335.2.44	Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers
AS/NZS 60335.2.44:2012 AS/NZS 60335.2.44:2022	Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers
AS/NZS 60335.2.45	Household and similar electrical appliances – safety – part 2-45: particular requirements for portable heating tools and similar appliances

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AS/NZS 60335.2.45:2012	Household and similar electrical appliances – safety – part 2-45: particular requirements for portable heating tools and similar appliances
AS/NZS 60335.2.52	Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances
AS/NZS 60335.2.52:2018 AS/NZS 60335.2.52:2022	Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances
AS/NZS 60335.2.54	Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam
AS/NZS 60335.2.54:2010 +A1:2010 +A2:2016 + A3:2020 AS/NZS 60335.2.54:2023	Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam
AS/NZS 60335.2.55	Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds
AS/NZS 60335.2.55:2011 AS/NZS 60335.2.55:2022	Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds
AS/NZS 60335.2.56	Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances
AS/NZS 60335.2.56:2006+A1:2009 +A2:2015	Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances
AS/NZS 60335.2.59	Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers
AS/NZS 60335.2.59:2005 + A1:2005 + A2:2006 + A3:2010 AS/NZS 60335.2.59:2022	Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers
AS/NZS 60335.2.6	Household and similar electrical appliances – safety – part 2-6: particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
AS/NZS 60335.2.6:2014+A1:2015 + A2:2019	Household and similar electrical appliances – safety – part 2-6: particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
AS/NZS 60335.2.65	Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances

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AS/NZS 60335.2.65:2015 AS/NZS 60335.2.65:2024	Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances
AS/NZS 60335.2.70	Household and similar electrical appliances – safety – part 2-70: particular requirements for milking machines
AS/NZS 60335.2.70:2002	Household and similar electrical appliances – safety – part 2-70: particular requirements for milking machines
AS/NZS 60335.2.73	Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters
AS/NZS 60335.2.73:2005+A1:2006+A2:2010 AS/NZS 60335.2.73:2024	Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters
AS/NZS 60335.2.74	Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters
AS/NZS 60335.2.74:2018 AS/NZS 60335.2.74:2022	Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters
AS/NZS 60335.2.78	Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues
AS/NZS 60335.2.78:2019 AS/NZS 60335.2.78:2022	Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues
AS/NZS 60335.2.8	Household and similar electrical appliances – safety – part 2-8: particular requirements for shavers, hair clippers and similar appliances
AS/NZS 60335.2.8:2013 +A1:2017 +A2:2019 AS/NZS 60335.2.8:2023	Household and similar electrical appliances – safety – part 2-8: particular requirements for shavers, hair clippers and similar appliances
AS/NZS 60335.2.80	Household and similar electrical appliances – safety – part 2-80: particular requirements for fans
AS/NZS 60335.2.80:2016+A1:2020+ A2:2022+ A3:2023	Household and similar electrical appliances – safety – part 2-80: particular requirements for fans
AS/NZS 60335.2.84	Household and similar electrical appliances – safety – part 2-84: particular requirements for toilets
AS/NZS 60335.2.84:2020,	Household and similar electrical appliances – safety – part 2-84: particular requirements for toilets
AS/NZS 60335.2.85	Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers
AS/NZS 60335.2.85:2018 AS/NZS 60335.2.85:2023	Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers

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AS/NZS 60335.2.9	Household and similar electrical appliances – safety – part 2-9: particular requirements for grills, toasters and similar portable cooking appliances
AS/NZS 60335.2.9:2020	Household and similar electrical appliances – safety – part 2-9: particular requirements for grills, toasters and similar portable cooking appliances
AS/NZS 60335.2.98	Household and similar electrical appliances – Safety – Part 2-98: Particular requirements for humidifiers
AS/NZS 60335.2.98:2005 + A1:2009 + A2:2014 AS/NZS 60335.2.98:2024	Household and similar electrical appliances – Safety – Part 2-98: Particular requirements for humidifiers
AS/NZS 60598.1	Luminaires –Part 1: General requirements and tests
AS/NZS 60598.2.1	Luminaires–Part 2-1: Particular requirements – Fixed general purpose luminaires
AS/NZS 60598.2.4	Luminaires–Part 2-4: Particular requirements – Portable general purpose luminaires
AS-NZS 60335.2.3-2012 + A1:2016 AS/NZS 60335.2.3:2023	Household and similar electrical appliances – safety – part 2-3: particular requirements for electric irons
ASTM D4169	Standard Practice for Performance Testing of Shipping Containers and Systems
ASTM E1112	Standard Specification for Electronic Thermometer for Intermittent Determination of Patient Temperature
ASTM E1965	Standard Specification for Infrared Thermometers for Intermittent Determination of Patient Temperature
DOE Appendix U to Subpart B of Part 430	Uniform test method for measuring the energy consumption of ceiling fans
DOE Appendix Y to Subpart B of Part 430	Uniform test method for measuring the energy consumption of battery chargers
EN 50563	External a.c. - d.c. and a.c. - a.c. power supplies – Determination of no-load power and average efficiency of active modes
EN 50564	Electrical and electronic household and office equipment – measurement of low power consumption
EN 60335-1:2012 + AC:2014 + A11 :2014 + A13: 2017+ A1:2019+ A14: 2019+ A2: 2019 + A15: 2021 EN IEC 60335-1:2023+ A11:2023	Household and similar electrical appliances – safety – part 1: general requirements

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EN 60335-2-10:2003+A1:2008	Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines
EN 60335-2-101:2002+ A1:2008+ A2:2014	Household and similar electrical appliances – safety – part 2-101: Particular requirements for vaporizers
EN 60335-2-102:2016 EN IEC 60335-2-102:2024	Household and similar electrical appliances – safety – part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections
EN 60335-2-12:2003 + A1:2008+A11:2019+A2:2019	Household and similar electrical appliances – safety – part 2-12: Particular requirements for warming plates and similar appliances
EN 60335-2-13:2010+ A11: 2012+ A1:2019	Household and similar electrical appliances – safety – part 2-13: particular requirements for deep fat fryers, frying pans and similar appliances
EN 60335-2-14:2006+ A11:2012+A11:2012/AC:2013+ A11:2012/AC:2016+ A12: 2016+A1:2008+ 2006/ corrigendum Feb. 2007 EN IEC 60335-2-14:2023+ A11:2023+ A1:2023	Household and similar electrical appliances – safety – part 2-14: particular requirements for kitchen machines
EN 60335-2-15:2016 +A11: 2018 +A12:2021+A1:2021 +A2:2021	Household and similar electrical appliances – safety – part 2-15: particular requirements for appliances for heating liquids
EN 60335-2-16:2003+ A1: 2008+ A2:2012+ A11:2018	Household and similar electrical appliances – safety – part 2-16: Particular requirements for food waste disposers
EN 60335-2-2:2010+ A11:2012+A1:2013 EN IEC 60335-2-2:2023+ A11:2023	Household and similar electrical appliances – safety – part 2-2: particular requirements for vacuum cleaners and water-suction cleaning appliance
EN 60335-2-23:2003+A11:2010/ AC:2012+A11:2010+A1:2008+A2:2015 EN IEC 60335-2-23:2023+ A11:2023+ A1:2023	Household and similar electrical appliances – safety – part 2-23: particular requirements for appliances for skin or hair care
EN 60335-2-25:2012+A1:2015+ A2:2016 EN IEC 60335-2-25:2021+A11:2021	Household and similar electrical appliances – safety – part 2-25: particular requirements for microwave ovens, including combination microwave ovens
EN 60335-2-26:2003+A1:2008	Household and similar electrical appliances – safety – part 2-26: particular requirements for clocks
EN 60335-2-27:2013+A1:2020+ A2:2020+ AC:2021-11	Household and similar electrical appliances – safety – part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation

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EN 60335-2-29:2021+A1:2021+ A11:2024	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers
EN 60335-2-3:2016+ A1:2020	Household and similar electrical appliances – safety – part 2-3: particular requirements for electric irons
EN 60335-2-30:2009+A11:2012+ AC:2010+ AC:2014+A1:2020+ A12:2020+A13:2022+A2:2022	Household and similar electrical appliances – safety – part 2-30: particular requirements for room heaters
EN 60335-2-32:2003+A1:2008+ A2:2015 EN IEC 60335-2-32:2021	Household and similar electrical appliances – safety – part 2-32: particular requirements for massage appliances
EN 60335-2-44:2002+A1:2008+ A2:2012	Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers
EN 60335-2-45:2002+A1:2008+ A2:2012	Household and similar electrical appliances – safety – part 2-45: particular requirements for portable heating tools and similar appliances
EN 60335-2-52:2003+ A11:2010/AC:2012+A11:2010+A1:2008+A12:2019+ A13:2023+ A2:2023 (Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances
EN 60335-2-54:2008+ A11:2012/AC:2015+ A11:2012+ A1:2015+A12:2021+A2:2021	Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam
EN 60335-2-55:2003+A1:2008+A11:2018	Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds
EN 60335-2-56:2003+A1:2008+A2:2014	Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances
EN 60335-2-59:2003+A1:2006+A2:2009+ A11:2018	Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers
EN 60335-2-6:2015+A1:2020 + A11:2020	Household and similar electrical appliances – safety – part 2-6: particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
EN 60335-2-65:2003+ A1:2008+A11:2012+ A12:2022	Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances
EN 60335-2-70:2002+ A1:2007+ A2:2019	Household and similar electrical appliances – safety – part 2-70: particular requirements for milking machines
EN 60335-2-73:2003+ A1:2006+A2:2009+ A11:2021	Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters

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EN 60335-2-74:2003+A1:2006+A2:2009+ /A11:2018	Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters
EN 60335-2-78:2003+ A1:2008+A11:2020	Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues
EN 60335-2-8:2015 +A1:2016 + A11:2022+ A12:2022	Household and similar electrical appliances – safety – part 2-8: particular requirements for shavers, hair clippers and similar appliances
EN 60335-2-80:2003+A1:2004+A2:2009 EN IEC 60335-2-80:2024+ A11:2024	Household and similar electrical appliances – safety – part 2-80: particular requirements for fans
EN 60335-2-85:2003+A1:2008+A11:2018+ A2:2020	Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers
EN 60335-2-9:2003+ A1: 2004+ A12:2007+ A13: 2010/AC: 2011 +A13 :2010/AC:2012 +A13: 2010+ A2:2006 EN IEC 60335-2-9:2023+ A11: 2023	Household and similar electrical appliances – safety – part 2-9: particular requirements for grills, toasters and similar portable cooking appliances
EN 60335-2-98:2003+A1:2005+A2:2008+ A11:2019	Household and similar electrical appliances – Safety – Part 2-98: Particular requirements for humidifiers
EN 60598-2-1:1989 EN IEC 60598-2-1:2021	Luminaires–Part 2-1: Particular requirements – Fixed general purpose luminaires
EN IEC 60335-2-113:2023+ A11:2023	Household and similar electrical appliances – Safety – Part 2-113: Particular requirements for beauty care appliances incorporating lasers and intense light sources
EN IEC 60335-2-41:2021+A11:2021	Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps
EN IEC 60335-2-43:2020+A11:2020	Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails
EN IEC 60335-2-84:2021+ A11:2021+ A12:2023	Household and similar electrical appliances – safety – part 2-84: particular requirements for toilets
EN IEC 60598-1:2021+A11:2022 EN IEC 60598-1:2024+ A11:2024	Luminaires –Part 1: General requirements and tests
IEC 60335-1:2010+AMD1:2013 +AMD2:2016 IEC 60335-1:2020	Household and similar electrical appliances – safety – part 1: general requirements
IEC 60335-2-10:2002+ AMD1: 2008 IEC 60335-2-10:2021	Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines

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IEC 60335-2-100:2002	Household and similar electrical appliances – safety – part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums
IEC 60335-2-101:2002+ AMD1:2008+ AMD2:2014 IEC 60335-2-101:2024	Household and similar electrical appliances – safety – part 2-101: Particular requirements for vaporizers
IEC 60335-2-102:2017	Household and similar electrical appliances – safety – part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections
IEC 60335-2-113:2016+ AMD1:2021	Household and similar electrical appliances – Safety – Part 2-113: Particular requirements for beauty care appliances incorporating lasers and intense light sources
IEC 60335-2-12:2002+ AMD1: 2008 + AMD2:2017 IEC 60335-2-12:2024	Household and similar electrical appliances – safety – part 2-12: Particular requirements for warming plates and similar appliances
IEC 60335-2-13:2009+ AMD1:2016 IEC 60335-2-13:2021	Household and similar electrical appliances – safety – part 2-13: particular requirements for deep fat fryers, frying pans and similar appliances
IEC 60335-2-14:2006+ AMD1:2008+ AMD2:2012 IEC 60335-2-14:2016/AMD1:2019	Household and similar electrical appliances – safety – part 2-14: particular requirements for kitchen machines
IEC 60335-2-15:2012+ AMD1:2016+ AMD2:2018 IEC 60335-2-15:2024	Household and similar electrical appliances – safety – part 2-15: particular requirements for appliances for heating liquids
IEC 60335-2-16:2002+ AMD1: 2008+ AMD2:2011 IEC 60335-2-16:2022	Household and similar electrical appliances – safety – part 2-16: Particular requirements for food waste disposers
IEC 60335-2-2:2002 + AMD1:2004+ AMD2:2006 IEC 60335-2-2:2009+ AMD1:2012 + AMD2:2016 IEC 60335-2-2:2019	Household and similar electrical appliances – safety – part 2-2: particular requirements for vacuum cleaners and water-suction cleaning appliance
IEC 60335-2-23:2003+ AMD1: 2008+ AMD2:2012 IEC 60335-2-23:2016+ AMD1: 2019	Household and similar electrical appliances – safety – part 2-23: particular requirements for appliances for skin or hair care
IEC 60335-2-25:2010+ AMD1:2014 + AMD2:2015 IEC 60335-2-25:2020 IEC 60335-2-25:2024	Household and similar electrical appliances – safety – part 2-25: particular requirements for microwave ovens, including combination microwave ovens

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IEC 60335-2-27:2009+ AMD1:2012+ AMD2:2015 IEC 60335-2-27:2019 IEC 60335-2-27:2024	Household and similar electrical appliances – safety – part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation
IEC 60335-2-28:2002+ AMD1:2008 IEC 60335-2-28:2021	Household and similar electrical appliances – Safety – Part 2-28: Particular requirements for sewing machines
IEC 60335-2-29:2016+ AMD1:2019	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers
IEC 60335-2-3:2002+ AMD1: 2004 + AMD2:2008 IEC 60335-2-3:2012+ AMD1: 2015 IEC 60335-2-3:2022	Household and similar electrical appliances – safety – part 2-3: particular requirements for electric irons
IEC 60335-2-30:2009+ AMD1:2016+ AMD2:2021	Household and similar electrical appliances – safety – part 2-30: particular requirements for room heaters
IEC 60335-2-32:2019 IEC 60335-2-32:2024	Household and similar electrical appliances – safety – part 2-32: particular requirements for massage appliances
IEC 60335-2-41:2012 IEC 60335-2-41:2024	Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps
IEC 60335-2-43:2017 IEC 60335-2-43:2024	Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails
IEC 60335-2-44:2002+ AMD1:2008+ AMD2:2011 IEC 60335-2-44:2021	Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers
IEC 60335-2-45:2002+ AMD1:2008+ AMD2:2011 IEC 60335-2-45:2024	Household and similar electrical appliances – safety – part 2-45: particular requirements for portable heating tools and similar appliances
IEC 60335-2-52:2002+ AMD1:2008+ AMD2:2017 IEC 60335-2-52:2021	Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances
IEC 60335-2-54:2008+ AMD1:2015+ AMD2:2019 IEC 60335-2-54:2022	Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam

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IEC 60335-2-55:2002+ AMD1:2008 IEC 60335-2-55:2021	Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds
IEC 60335-2-56:2002+ AMD1:2008+ AMD2:2014	Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances
IEC 60335-2-59:2002+ AMD1:2006+ AMD2:2009 IEC 60335-2-59:2021	Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers
IEC 60335-2-6:2002+AMD1: 2004+ AMD2:2008 IEC 60335-2-6:2014+ AMD1: 2018 IEC 60335-2-6:2024	Household and similar electrical appliances – safety – part 2-6: particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
IEC 60335-2-65:2002+ AMD1:2008+ AMD2:2015 IEC 60335-2-65:2023	Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances
IEC 60335-2-70:2002+AMD1:2007+AMD2: 2013	Household and similar electrical appliances – safety – part 2-70: particular requirements for milking machines
IEC 60335-2-73:2002+ AMD1:2006+ AMD2:2009 IEC 60335-2-73:2024	Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters
IEC 60335-2-74:2002+ AMD1:2006+ AMD2:2009 IEC 60335-2-74:2021+ AMD1:2024	Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters
IEC 60335-2-78:2002+AMD1:2008+ AMD2:2019 IEC 60335-2-78:2021	Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues
IEC 60335-2-8:2012+AMD1: 2015+AMD2:2018 IEC 60335-2-8:2022	Household and similar electrical appliances – safety – part 2-8: particular requirements for shavers, hair clippers and similar appliances
IEC 60335-2-80:2002+AMD1:2004+ AMD2:2008 IEC 60335-2-80:2015 IEC 60335-2-80:2024	Household and similar electrical appliances – safety – part 2-80: particular requirements for fans
IEC 60335-2-84:2002+ AMD1:2008+ AMD2:2013 IEC 60335-2-84:2019	Household and similar electrical appliances – safety – part 2-84: particular requirements for toilets

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IEC 60335-2-85:2002+ AMD1:2008+ AMD2:2017 IEC 60335-2-85:2022	Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers
IEC 60335-2-9:2008+ AMD1: 2012+ AMD2:2016 IEC 60335-2-9:2019	Household and similar electrical appliances – safety – part 2-9: particular requirements for grills, toasters and similar portable cooking appliances
IEC 60335-2-98:2002+ AMD1:2004+ AMD2:2008 IEC 60335-2-98:2023	Household and similar electrical appliances – Safety – Part 2-98: Particular requirements for humidifiers
IEC 60598-1:2014+ AMD1:2017 IEC 60598-1:2020	Luminaires –Part 1: General requirements and tests
IEC 60598-2-1:1979+ AMD1:1987 IEC 60598-2-1:2020	Luminaires–Part 2-1: Particular requirements – Fixed general purpose luminaires
IEC 60879	Comfort fans and regulators for household and similar purposes – Methods for measuring performance
IEC 62301 2011-01	Household electrical appliances – measurement of standby power
IEC TS 62257-9-8:2020	Renewable energy and hybrid systems for rural electrification – Part 9-8: Integrated systems – Requirements for stand-alone renewable energy products with power ratings less than or equal to 350 W
IEC/EN 60335-1	Household and similar electrical appliances – safety – part 1: general requirements
IEC/EN 60335-2-10	Household and similar electrical appliances – Safety – Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines
IEC/EN 60335-2-100	Household and similar electrical appliances – safety – part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums
IEC/EN 60335-2-101	Household and similar electrical appliances – safety – part 2-101: Particular requirements for vaporizers
IEC/EN 60335-2-102	Household and similar electrical appliances – safety – part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections
IEC/EN 60335-2-113	Household and similar electrical appliances – Safety – Part 2-113: Particular requirements for beauty care appliances incorporating lasers and intense light sources

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IEC/EN 60335-2-12	Household and similar electrical appliances – safety – part 2-12: Particular requirements for warming plates and similar appliances
IEC/EN 60335-2-13	Household and similar electrical appliances – safety – part 2-13: particular requirements for deep fat fryers, frying pans and similar appliances
IEC/EN 60335-2-14	Household and similar electrical appliances – safety – part 2-14: particular requirements for kitchen machines
IEC/EN 60335-2-15	Household and similar electrical appliances – safety – part 2-15: particular requirements for appliances for heating liquids
IEC/EN 60335-2-16	Household and similar electrical appliances – safety – part 2-16: Particular requirements for food waste disposers
IEC/EN 60335-2-2	Household and similar electrical appliances – safety – part 2-2: particular requirements for vacuum cleaners and water-suction cleaning appliance
IEC/EN 60335-2-23	Household and similar electrical appliances – safety – part 2-23: particular requirements for appliances for skin or hair care
IEC/EN 60335-2-25	Household and similar electrical appliances – safety – part 2-25: particular requirements for microwave ovens, including combination microwave ovens
IEC/EN 60335-2-26	Household and similar electrical appliances – safety – part 2-26: particular requirements for clocks
IEC/EN 60335-2-27	Household and similar electrical appliances – safety – part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation
IEC/EN 60335-2-28	Household and similar electrical appliances – Safety – Part 2-28: Particular requirements for sewing machines
IEC/EN 60335-2-29	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers
IEC/EN 60335-2-3	Household and similar electrical appliances – safety – part 2-3: particular requirements for electric irons
IEC/EN 60335-2-30	Household and similar electrical appliances – safety – part 2-30: particular requirements for room heaters
IEC/EN 60335-2-32	Household and similar electrical appliances – safety – part 2-32: particular requirements for massage appliances
IEC/EN 60335-2-41	Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps

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IEC/EN 60335-2-43	Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails
IEC/EN 60335-2-44	Household and similar electrical appliances – Safety – Part 2-44: Particular requirements for ironers
IEC/EN 60335-2-45	Household and similar electrical appliances – safety – part 2-45: particular requirements for portable heating tools and similar appliances
IEC/EN 60335-2-52	Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances
IEC/EN 60335-2-54	Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam
IEC/EN 60335-2-55	Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds
IEC/EN 60335-2-56	Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances
IEC/EN 60335-2-59	Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers
IEC/EN 60335-2-6	Household and similar electrical appliances – safety – part 2-6: particular requirements for stationary cooking ranges, hobs, ovens and similar appliances
IEC/EN 60335-2-65	Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances
IEC/EN 60335-2-70	Household and similar electrical appliances – safety – part 2-70: particular requirements for milking machines
IEC/EN 60335-2-73	Household and similar electrical appliances – Safety – Part 2-73: Particular requirements for fixed immersion heaters
IEC/EN 60335-2-74	Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters
IEC/EN 60335-2-78	Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues
IEC/EN 60335-2-8	Household and similar electrical appliances – safety – part 2-8: particular requirements for shavers, hair clippers and similar appliances

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IEC/EN 60335-2-80	Household and similar electrical appliances – safety – part 2-80: particular requirements for fans
IEC/EN 60335-2-84	Household and similar electrical appliances – safety – part 2-84: particular requirements for toilets
IEC/EN 60335-2-85	Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers
IEC/EN 60335-2-9	Household and similar electrical appliances – safety – part 2-9: particular requirements for grills, toasters and similar portable cooking appliances
IEC/EN 60335-2-98	Household and similar electrical appliances – Safety – Part 2-98: Particular requirements for humidifiers
IEC/EN 60598-1	Luminaires –Part 1: General requirements and tests
IEC/EN 60598-2-1	Luminaires–Part 2-1: Particular requirements – Fixed general purpose luminaires
IEC/EN 60598-2-4	Luminaires–Part 2-4: Particular requirements – Portable general purpose luminaires
IEC/EN 60661	Methods for measuring the performance of electric household coffee makers
IEC/EN 62233	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure
INEN 112 (1R/2R) Ecuadorian Technical Regulation	Energy efficiency for self-contained electric motor of an output not exceeding 125
INMETRO ORDINANCE NO. 174/2012	Technical regulation of quality microwave oven
INMETRO ORDINANCE No. 6/2022	Approves the Conformity Assessment Requirements Power Sound Devices for Home Appliance
INMETRO ORDINANCE No.299/2021	Conformity assessment requirements for table, wall, pedestal and air circulator fans
ISO 20127	Dentistry – Physical properties of powered toothbrushes
Japan Appendix 8	Appendix 8: AC Electric/Mechanical Appliances and Portable power generators specified by "Paragraphs 6 to 9 of Appendix1" and "Paragraphs 7 to 11 of Appendix 2" of the Order for Enforcement of the Electrical Appliances and Materials Safety Act (Ordinance of the Ministry of Economy, Trade and Industry No. 324 of 1962)
PNS 2133-1:2018	Household and similar electrical appliances – Safety – Part 1 General requirements

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UL 1439	Tests for Sharpness of Edges on Equipment
UL 4200A	Products Incorporating Button or Coin Cell Batteries of Lithium Technologies

