



ACCREDITATION CERTIFICATE

LB-TEST-204

Emirates International Accreditation Centre

has accredited

Electromechanical Devices Laboratories Section

DUBAI CENTRAL LABORATORY DEPARTMENT

DUBAI MUNICIPALITY

Za'beel Street | Al Karamah | Dubai | United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period

printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 13-01-2025 to 29-05-2025

Initial Accreditation Date: 06-10-2010



Amina Ahmed Mohammed
CHIEF EXECUTIVE OFFICER



Accreditation Scope
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Date: 16-01-2025

Issue no.	Details	Date
12	Reissued to reflect the extension in the scope	16-01-2025
11	Reissued to reflect the 1. change in the laboratory's name (was formerly known as Renewable Energy and Electromechanical Laboratory - DCLD) 2. changes in some test methods, 3. voluntary reduction of 20 test methods, & 4. extension in the scope	13-01-2025
10	Renewal accreditation and modify in some test method	09-08-2022
09	Temporary certificate validity was extended for 6 months from 30-05-2022 up to 29-11-2022	30-05-2022
08	Extension in scope	13-09-2021
07	Modify in some test method	16-09-2020
06	Renewal accreditation and first issuance under the name of Eiac (which was formerly known as DAC)	30/05/2019

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Type of Activity	Test Materials/Products	Test Name	Test Method
Energy Efficiency (E3)	Energy efficiency of Electrical storage water heaters	Methods for measuring the performance of electric storage water heaters for household purposes	IEC 60379
Energy Efficiency (E3)	Energy Efficiency of TV sets	Determination of power consumption	IEC 62087-3
Energy Efficiency (E3)	Energy Efficiency of Household appliances	Measurement of standby power	IEC 62301
Energy Efficiency (E3)	Energy Efficiency of TV sets	Energy Efficiency Label for Electrical Appliances Part 8: Television Sets	UAES 5010-8
Energy Efficiency (E3)	Energy efficiency of household refrigerating appliances	Characteristics and test methods of Household refrigerating appliances - General requirements	IEC 62552-1+AMD1:2020 Ed. 1.1

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Type of Activity	Test Materials/Products	Test Name	Test Method
Energy Efficiency (E3)	Energy efficiency of household refrigerating appliances	Characteristics and test methods of Household refrigerating appliances- Performance requirements	IEC 62552-2+AMD1:2020 Ed. 1.1
Energy Efficiency (E3)	Energy efficiency of household refrigerating appliances	Characteristics and test methods of Household refrigerating appliances- Energy consumption and volume	IEC 62552-3+AMD1:2020 Ed. 1.1
Energy Efficiency (E3)	Energy efficiency of household refrigerating appliances	Labeling - Energy Efficiency Label for Electrical Appliances Part 3: Household Refrigerating Appliances	UAE.S 5010-3
Energy Efficiency (E3)	Self ballasted CFL lamps	Self-ballasted lamps for general lighting services - Performance requirements	IEC 60969

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Type of Activity	Test Materials/Products	Test Name	Test Method
Energy Efficiency (E3)	Solid-State Lighting products	Electrical and Photometric Measurements of Solid-State Lighting Products	IES LM-79-08
Energy Efficiency (E3)	Conformity assessment system for lighting product	Energy Efficiency requirements for lamps	UAE Cabinet Decision No 34 of 2013 O UAE System for Lighting Products
Energy Efficiency (E3)	Energy Efficiency of Storage Water Heaters	Labeling - Energy Efficiency Label for Electrical Appliances Part 4: Storage Water Heater	UAES 5010-4
Energy Efficiency (E3)	LED Light Engines and LED Lamps	Characterization of LED Light Engines and LED Lamps for Electrical and Photometric Properties as a Function of Temperature	IES LM-82-12

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Type of Activity	Test Materials/Products	Test Name	Test Method
Energy Efficiency (E3)	Enclosure for Electrical Equipment	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	IEC 62262 First Edition
Household and Similar Equipment (HOUS)	Household and Similar Electrical Appliances	General Safety Requirements for Household and Similar Electrical Appliances	IEC 60335-1 IEC 60335 1:+AMD1:2013 IEC 60335-1+AMD1:2013 CSV IEC 60335-1+/AMD2:2016 IEC 60335-1+AMD1:2013+AMD2:2016 CSV
Household and Similar Equipment (HOUS)	Vacuum cleaners & similar appliance	Particular requirements for vacuum cleaners and water-suction cleaning appliance	IEC 60335-2-2

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Type of Activity	Test Materials/Products	Test Name	Test Method
Household and Similar Equipment (HOUS)	Electric Irons	Particular Requirements for Electric Irons	IEC 60335-2-3 IEC 60335-2-3+AMD1:2015
Household and Similar Equipment (HOUS)	Stationary cooking, rangesm hobs, ovens and similar appliances	Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances	IEC 60335-2-6+AMD1:2018
Household and Similar Equipment (HOUS)	Washing Machines & similar appliances	Particular requirements for washing machines	IEC 60335-2-7
Household and Similar Equipment (HOUS)	Shavers, clippers and similar appliances	Particular requirements for shavers, hair clippers and similar appliances	IEC 60335-2-8 IEC 60335-2-8+AMD1:2015+AMD2:2018
Household and Similar Equipment (HOUS)	Grills and Similar Portable Cooking Appliances	Particular Requirements for Grills, Toasters and Similar Portable Cooking Appliances	IEC 60335-2-9:2019
Household and Similar Equipment (HOUS)	Warming plates and similar appliances	Particular requirements for warming plates and similar appliances	IEC 60335-2-12+AMD1:2008+AMD2:2017 CSV

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Type of Activity	Test Materials/Products	Test Name	Test Method
Household and Similar Equipment (HOUS)	Deep Fat Fryers and Similar Appliances	Particular Requirements for Deep Fat Fryers, Frying Pans and Similar Appliances	IEC 60335-2-13
Household and Similar Equipment (HOUS)	Kitchen Machine and Similar Appliances	Particular Requirements for Kitchen Machine	IEC 60335-2-14 IEC 60335-2-14+AMD1:2019 CSV
Household and Similar Equipment (HOUS)	Appliances for Heating Liquids	Particular Requirements for Appliances for Heating liquids	IEC 60335-2-15+AMD1:2016+AMD2:2018 CSV
Household and Similar Equipment (HOUS)	Storage Water Heaters	Particular Requirements for Storage Water Heater	IEC 60335-2-21 IEC 60335-2-21+AMD1:2018 CSV
Household and Similar Equipment (HOUS)	Skin or hair care appliances	Particular Requirements for Appliances for Skin or Hair Care	IEC 60335-2-23 IEC 60335-2-23+AMD1:2019 CSV

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Household and Similar Equipment (HOUS)	Refrigerating Appliances-Ice-Cream Appliances and Ice-Makers	Particular requirements for Refrigerating Appliances -Ice-Cream Appliances and Ice-Makers	IEC 60335-2-24
Household and Similar Equipment (HOUS)	Microwave Ovens, Including Combination Microwave Ovens	Particular Requirements for Microwave Ovens, Including Combination Microwave Ovens	IEC 60335-2-25
Household and Similar Equipment (HOUS)	reguvenation mask, skin care products using infrared technology	Particular requirements for appliances for skin exposure to optical radiation	IEC 60335-2-27
Household and Similar Equipment (HOUS)	battery chargers	Particular requirements for battery chargers	IEC 60335-2-29+AMD1:2019 IEC 60335-2-29+AMD1:2019 CSV
Household and Similar Equipment (HOUS)	Room heaters and similar appliances	Particular requirements for room heaters	IEC 60335-2-30+AMD1:2016+AMD2:2021

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Household and Similar Equipment (HOUS)	Portable heating tools and similar appliances	Particular requirements for portable heating tools and similar appliances	IEC 60335-2-45 IEC 60335-2-45+AMD1:2008 IEC 60335-2-45+AMD2:2011 IEC 60335-2-45+AMD1:2008+AMD2:2011 CSV
Household and Similar Equipment (HOUS)	Air-cleaning appliances	Particular requirements for air-cleaning appliances	IEC 60335-2-65 IEC 60335-2-65+AMD1:2008 IEC 60335-2-65+AMD2:2015 IEC 60335-2-65+AMD1:2008+AMD2:2015 CSV

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Type of Activity	Test Materials/Products	Test Name	Test Method
Household and Similar Equipment (HOUS)	Commercial dispensing appliances and vending machines	Particular requirements for commercial dispensing appliances and vending machines	IEC 60335-2-75 IEC 60335-2-75+AMD1:2015 IEC 60335-2-75+AMD2:2018 IEC 60335-2-75+AMD1:2015+AMD2:2018 CSV
Household and Similar Equipment (HOUS)	Electrical Fans	Particular requirements for fans	IEC 60335-2-80
Household and Similar Equipment (HOUS)	Fabric streamers	Particular requirements for Fabric streamers	IEC 60335-2-85 IEC 60335-2-85+AMD1:2008 IEC 60335-2-85+AMD2:2017 IEC 60335-2-85+AMD1:2008+AMD2:2017

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Household and Similar Equipment (HOUS)	Commercial refrigerating appliances	Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor	IEC 60335-2-89
Household and Similar Equipment (HOUS)	Humidifiers and similar appliances	Particular requirements for humidifiers	IEC 60335-2-98+AMD1:2004+AMD2:2008
Household and Similar Equipment (HOUS)	Gas, oil and solid-fuel burning appliances having electric connections	Particular requirements for Gas, oil and solid-fuel burning appliances having electric connections	UAE.S/IEC 60335-2-102 IEC 60335-2-102 Ed. 2
Household and Similar Equipment (HOUS)	Oral Hygiene appliances such as oral irrigators and toothbrushes	Particular requirements for oral hygiene appliances	IEC 60335-2-52

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Household and Similar Equipment (HOUS)	foot massagers, water filled foot massagers, hand-held massagers, massage beds, massage belts, massage chairs, massage pads	Particular requirements for massage appliances	IEC 60335-2-32
Household and Similar Equipment (HOUS)	appliances for melting wax, facial cleaning appliances, micro-needling appliances, plasma pens, and similar	Particular requirements for skin beauty care appliances	IEC 60335-2-115
Household and Similar Equipment (HOUS)	Household and similar electrical appliances - floor treatment and wet scrubbing machines	Household and similar electrical appliances	IEC 60335-2-10

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Type of Activity	Test Materials/Products	Test Name	Test Method
Installation accessories and connection devices (INST)	Plugs & socket outlets and similar appliances	Plugs and socket-outlets for household and similar purposes	IEC 60884-1 IEC 60884-1+AMD1:2006 IEC 60884-1+AMD2:2013 in addition: IEC 60884-1 Ed. 4.0
Installation accessories and connection devices (INST)	Plugs & socket outlets and similar appliances	Particular requirements for fused plugs	IEC 60884-2-1
Installation accessories and connection devices (INST)	Plugs & socket outlets and similar appliances	Particular requirements for switched socket-outlets without interlock for fixed Installations	IEC 60884-2-3
Installation accessories and connection devices (INST)	Plugs & socket outlets and similar appliances	Particular requirements for plugs and socket-outlets for SELV	IEC 60884-2-4 Ed. 3
Installation accessories and connection devices (INST)	Plugs & socket outlets and similar appliances	Particular requirements for adaptors	IEC 60884-2-5

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Installation accessories and connection devices (INST)	Plugs & socket outlets and similar appliances	Particular requirements for switched socket-outlets with interlock for fixed electrical installations	IEC 60884-2-6
Installation accessories and connection devices (INST)	Plugs & socket outlets and similar appliances	Particular requirements for cord extension sets	IEC 60884-2-7 IEC 60884-2-7+AMD1:2013
Installation accessories and connection devices (INST)	Switches and similar electrical installation	Switches for household and similar fixed-electrical installations	IEC 60669-1 IEC 60669-1+AMD1:1999 IEC 60669-1+AMD2:2006
Installation accessories and connection devices (INST)	Electrical accessories Cable reels	Electrical accessories Cable reels for household and similar purposes	IEC 61242 IEC 61242+AMD1:2008 IEC 61242+AMD2:2015

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Type of Activity	Test Materials/Products	Test Name	Test Method
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Hand-held motor-operated electric tools –Safety General requirements	IEC 60745-1
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for drills and impact drills	IEC 60745-2-1 IEC 60745-2-1+AMD1:2008
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for screw-drivers and impact wrenches	IEC 60745-2-2 IEC 60745-2-2+AMD1:2008
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for grinders, polishers and disk-type sanders	IEC 60745-2-3 IEC 60745-2-3+AMD1:2010 IEC 60745-2-3+AMD2:2012
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for sanders and polishers other than disk type	IEC 60745-2-4 IEC 60745-2-4+AMD1:2008

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Type of Activity	Test Materials/Products	Test Name	Test Method
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for circular saws	IEC 60745-2-5
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for hammers	IEC 60745-2-6 IEC 60745-2-6+AMD1:2006 IEC 60745-2-6+AMD2:2008
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for shears and nibblers	IEC 60745-2-8 IEC 60745-2-8+AMD1:2008
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for tappers	IEC 60745-2-9+AMD1:2008 CSV
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for reciprocating saws (jig and sabre saws)	IEC 60745-2-11 IEC 60745-2-11+AMD1:2008

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Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for concrete vibrators	IEC 60745-2-12+AMD1:2008 CSV
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for planers	IEC 60745-2-14 IEC 60745-2-14+AMD1:2006 IEC 60745-2-14+AMD2:2010
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for tickers	IEC 60745-2-16
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for routers and trimmers	IEC 60745-2-17
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for strapping tools	IEC 60745-2-18+AMD1:2008 CSV
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for jointers	IEC 60745-2-19 IEC 60745-2-19+AMD1:2010

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Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for band saws	IEC 60745-2-20+AMD1:2008
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for drain cleaners	IEC 60745-2-21+AMD1:2008 CSV
Portable Tools (TOOL)	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery	Safety General requirements of Electric	IEC 62841-1
		Particular requirements for hand-held	IEC 62841-2-2
		Particular requirements for transportable table	IEC 62841-3-1 IEC 62841-3-1+AMD1:2021
Portable Tools (TOOL)	Hand held electrical tools and similar appliances	Particular requirements for die grinders and small rotary tools	IEC 60745-2-23
Electrical Testing-Ingress of Protection	Enclosures	Degree of protection provided by enclosures (IP code)	IEC 60529+AMD1:1999+AMD2:2013 CSV

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Type of Activity	Test Materials/Products	Test Name	Test Method
Electrical Testing- Accessibility to Live Parts	Accessibility to live parts	Protection of persons and equipment by enclosures- Probes for verification	IEC 61032
Electrical Testing- Material Testing	Material testing (Resistance to fire)	Glow- wire apparatus and common test procedure	IEC 60695-2-10
Electrical Testing- Material Testing	Material testing (Resistance to fire)	Ball pressure test	IEC 60695-10-2
Lighting (LITE)	Safety Requirements for Luminaries	General requirements and tests	IEC 60598-1 IEC 60598-1+/AMD1:2017
Lighting (LITE)	Fixed general purpose luminaries	Particular requirements - Fixed general purpose luminaries	IEC 60598-2-1
Lighting (LITE)	Recessed luminaries	Particular requirements - Recessed luminaries	IEC 60598-2-2
Lighting (LITE)	Luminaries for road and street lighting	Particular requirements - Luminaries for road and street lighting	IEC 60598-2-3 IEC 60598-2-3+AMD1:2011

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Type of Activity	Test Materials/Products	Test Name	Test Method
Lighting (LITE)	Portable luminaries	Portable general purpose luminaries	IEC 60598-2-4
Lighting (LITE)	Flood lights	Particular requirements - Floodlights	IEC 60598-2-5
Lighting (LITE)	Self-ballasted LED lamps	Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications	IEC 62560 IEC 62560+AMD1:2015
Lighting (LITE)	Self-ballasted fluorescent lamps	Self-ballasted fluorescent lamps for general lighting services – Safety requirements	IEC 60968
Electromagnetic Compatibility (EMC)	Electro static discharge test for electrical and electronics equipment	Testing and Measurement Techniques – Electrostatic Discharge Immunity Test	IEC 61000-4-2

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Electromagnetic Compatibility (EMC)	Fast Transient test for electrical and electronics equipment	Testing and measurement techniques – Electrical fast transient/burst immunity test	IEC 61000-4-4
Electromagnetic Compatibility (EMC)	Industrial environments	Electromagnetic compatibility (EMC) – Part 6-2: Generic-Immunity standard	IEC 61000-6-2
Electromagnetic Compatibility (EMC)	Residential environments	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard	IEC 61000-6-3+AMD1:2010 CSV
Electromagnetic Compatibility (EMC)	light-industrial environments	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard	IEC 61000-6-4

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Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Electromagnetic compatibility (EMC) – Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16A$ per phase and to subject to condition connection.	IEC 61000-3-3: IEC 61000-3-3+AMD1:2017
Electromagnetic Compatibility (EMC)	Equipment for general lighting purposes	Electromagnetic Compatibility of	IEC 61547
Electromagnetic Compatibility (EMC)	Surge immunity test for electrical and electronics equipment	Testing and measurement techniques – Surge Immunity Test	IEC 61000-4-5 IEC 61000-4-5+AMD1:2017

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Electromagnetic Compatibility (EMC)	Conducted frequency disturbance test for electrical and electronics equipment	Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields	IEC 61000-4-6:
Electromagnetic Compatibility (EMC)	Voltage fluctuation and flicker test on electrical and electronic equipment	Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	IEC 61000-3-2
Electromagnetic Compatibility (EMC)	Voltage dips and short interruptions immunity test	Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current upto 16A per phase.	IEC 61000-4-11 IEC 61000-4-11+AMD1:2017

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Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Specification for radio disturbance and	CISPR 16-2-2
Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	CISPR 16-2-3

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Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements	CISPR 16-1-4

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Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power	CISPR 16-1-3

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Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-2: Radio disturbance and immunity measuring apparatus - Coupling devices for conducted disturbance measurements	CISPR 16-1-2
Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-1: Radio disturbance and immunity measuring apparatus - Measuring apparatus	CISPR 16-1-1

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Issue no.: 12

Date: 16-01-2025

Valid to: 29-05-2025

Type of Activity	Test Materials/Products	Test Name	Test Method
Electromagnetic Compatibility (EMC)	Electrical and electronic equipment	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	CISPR 16-2-1
Electromagnetic Compatibility (EMC)	Multimedia equipment	Electromagnetic Compatibility of multimedia equipment – immunity requirements	CISPR 35
Electromagnetic Compatibility (EMC)	Multimedia equipment	Electromagnetic Compatibility of multimedia equipment – Emission requirements	CISPR 32 CISPR 32+AMD1:2019 CSV

Accreditation Scope
Electrical Testing
LB-TEST-204

Electromechanical Devices Laboratories Section

Dubai Central Laboratory Department

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Information Technology Audio Video (ITAV)	Electrical and Electronic Equipment within the field of audiom video, infomration and communication technology, and business and office machines with a rated voltage not excessing 600V	General Safety Requirment for Audio/video, information and communication technology equipment	IEC 62368-1
Electromagnetic Compatibility (EMC)	household appliances, electric tools and similar apparatus	Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission	CISPR 14-1
Electromagnetic Compatibility (EMC)	household appliances, electric tools and similar apparatus	Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity	CISPR 14-2

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Electromagnetic Compatibility (EMC)	household appliances, electric tools and similar apparatus, IT, PCB port equipment	Testing and measurement techniques – Power frequency magnetic field immunity test	IEC 61000-4-8
ELVH	Electric car charger	IP Degrees of Protection against solid objects	IEC 61851-1 Clause 12.4
ELVH	Electric car charger	IP Degrees of Protection against Water ingress	IEC 61851-1 Clause 12.4
ELVH	Electric car charger	Insulation resistance test	IEC 61851-1 Clause 12.5
ELVH	Electric car charger	Dielectric strength test	IEC 61851-1 Clause 12.7