

10.6 Scope of Accreditation

Issue No: 07/ Issue Date: 13-09-2021
File Manager: Hamza Khan

GAC



ACCREDITED
TESTING
ISO/IEC 17025:2017
No. ATL 0024

Testing Laboratory Accreditation No. ATL 0024

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognised International Standard ISO/IEC 17025:2017, "General requirements for the competence of testing and calibration laboratories"

Gray Mackenzie Engineering Services LLC - Laboratory	
<p>Address. Shed # 118 Al Jaddaf Dry Docks Gate #02, Post office 32393 – Dubai – UAE</p>	<p>Contact Person: Mr. Saad Suleman Tel: +97143241380; +971 505509300 Fax: +97143241384 Email: qa@gmes.ae Web Address: www.gmes.ae</p>

Locations where testing activities covered by the above Accreditation Standard are undertaken

1- **address:** Shed # 118 Al Jaddaf Dry Docks Gate #02, Post office, 32393 – Dubai – UAE

For the following scope:

Scope:

3.0 Performance and Approvals Test

Version: 3.6

Date: 24th July 2019

Approved by: Brahim Houla

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3.24 Approval testing on electrical appliances and accessories

Scope details are as follows:

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Household Appliances	Household Appliances, General Requirements	Part 1: General requirements	IEC 60335-1:2020	
	Vacuum cleaners & Water-suction cleaning appliances	Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances	IEC 60335-2-2:2019	
	Electric smoothing irons	Part 2-3: Particular requirements for electric irons	IEC 60335-2-3:2012+A1:2015	
	Clothes washing machines, including machines which both wash and dry	Part 2-4: Particular requirements for clothes dryers and towel rails	IEC 60335-2-4:2021	
		Part 2-7: Particular requirements for washing machines	IEC 60335-2-7:2019	
		Part 2-11: Particular requirements for tumble dryers	IEC 60335-2-11:2019	
	Shavers, hair clippers and similar appliances	Part 2-8: Particular requirements for shavers, hair clippers and similar appliances	IEC 60335-2-8:2012 +AMD1:2015 +AMD2:2018	

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Household appliances	Cooking Appliances	Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances	IEC 60335-2-9:2019	
	Frying pans, deep fat fryers	Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances	IEC 60335-2-13:2009+AMD1:2016	
	Heating Liquids	Part 2-15: Particular requirements for appliances for heating liquids	IEC 60335-2 15:2012 +AMD1:2016 +AMD2:2018	
	Food grinders and mixers, fruit or vegetable juice extractors.	Part 2-14: Particular requirements for kitchen machines	IEC 60335-2-14:2016+AMD1:2019	
	Storage Water Heaters	Part 2-21: Particular requirements for storage water heaters	IEC 60335-2-21:2012+AMD1:2018 CSV SASO/FDS/IEC 60335-2-21:2020 SASO-GSO-1858 SASO-GSO-1859	
	Hair dryers, straighteners	Part 2-23: Particular requirements for appliances for skin or hair care	IEC 60335-2-23:2016+AMD1:2019 CSV	
	Refrigerators, freezers or freezing equipment	Part 2-24: Particular requirements for refrigerating appliances, ice cream appliances and ice makers	IEC 60335-2-24:2020	
	Microwave ovens	Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens	IEC 60335-2-25:2020 RLV	
	Domestic Electrical Fans	Part 2-80: Particular requirements for fans	IEC 60335-2-80:2015	
	Battery Chargers	Part 2-29: Particular requirements for battery chargers	IEC 60335-2-29:2016+AMD1:2019 CSV	
Household	Sewing Machines	Part 2-28: Particular requirements for sewing machines	IEC 60335-2-28:2002/AMD1:2008	

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appliances	Portable heating tools and similar appliances	Part 2-45: Particular requirements for Portable heating tools and similar appliances	IEC 60335-2-45:2002 +AMD1:2008 +AMD2:2011 CSV	
	Insect Killers	Part 2-59: Particular requirements for insect killers	IEC 60335-2-59:2002/AMD2:2009	
	Fabric steamers	Part 2-85: Particular requirements for fabric steamers	IEC 60335-2-85:2002+A1:2008+A2:2017	
	Commercial refrigerating appliances	Part 2-89: Particular requirements for commercial refrigerating appliances within incorporated or remote refrigerant unit or compressor	IEC 60335-2-89:2019	
	Commercial electric kitchen machines	Part 2-64: Particular requirements for commercial electric kitchen machines	IEC 60335-2-64:2002/AMD2:2017	
	Commercial dispensing appliances and vending machines	Part 2-75: Particular requirements for commercial dispensing appliances and vending machines	IEC 60335-2-75:2012/AMD2:2018	
	Range hoods and other cooking fume extractors	Part 2-31 Particular requirements for range hoods and other cooking fume extractors	IEC 60335-2-31: 2012/ AMD2:2018	
	Commercial electric forced convection ovens, steam cookers and steam-convection ovens	Part 2-42 Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens	IEC 60335-2-42: 2002/ AMD2:2017	
	Wet and dry vacuum cleaners, including power brush	Part 2-69 Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use	IEC 60335-2-69: 2021	
Household appliances	Amusement machines and personal service machines	Part 2-82 Particular requirements for amusement machines and personal service machines	IEC 60335-2-82: 2017 /AMD1:2020	

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	Drives for shutters, awnings, blinds	Part 2-97 Particular requirements for drives for shutters, awnings, blinds and similar equipment	IEC 60335-2-97: 2016/AMD1:2019	
	Humidifiers	Part 2-98 Particular requirements for humidifiers	IEC 60335-2-98: 2002/AMD2:2008	
	Commercial electric hoods	Part 2-99 Commercial Kitchen Hoods	IEC 60335-2-99: 2003/AMD1:2017	
	Vaporizers	Part 2-101 Electric Vaporizers	IEC 60335-2-101: 2002/AMD2:2014	
	Drives for gates, doors and windows	Part 2-103 Particular requirements for drives for gates, doors and windows	IEC 60335-2-103: 2015/AMD2:2019	
	Safety of machinery-Electrical equipment of machines	Part 1: General requirements	IEC 60204-1:2016 RLV	
	Protection provided by enclosures (IP Code)	Degrees of protection provided by enclosures (IP-Code)	IEC 60529:1989+AMD1:1999+AMD2:2013 CSV	Water Ingress: IPX3, IPX4, IPX5, IPX6 & IPX7 solid particles ingress: IP4X, IP5X & IP6X
	Performance Measurements	Methods for measuring the performance of electric storage water-heaters for household purposes	IEC 60379:1987, SASO-2884, EN 50440	
Installations	Plugs and Socket-outlets for Household and Similar Purposes	Part 1: General requirements	IEC 60884-1:2002+A1:2006+A2:2013 SASO 2203:2018 SASO 2204-2003 SASO 2815	
	Plugs and Socket-outlets for Household and Similar	Part 2-1: Particular requirements for fused plugs	IEC 60884-2-1:2006	

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	Purposes			
	Plugs and Socket-outlets for Household and Similar Purposes	Part 2-3: Particular requirements for switched socket-outlets without interlock for fixed installations	IEC 60884-2-3:2006	
	Plugs and Socket-outlets for Household and Similar Purposes	Part 2-5: Particular requirements for adapters	IEC 60884-2-5:2017	
	Plugs and Socket-outlets for Household and Similar Purposes	Part 2-7: Particular requirements for cord extension sets	IEC 60884-2-7:2011+A1:2013	
	Plugs and Socket-outlets for Household and Similar Purposes	Part 01 – General Requirements	IEC 60669-1:2017	
	Lighting	LED modules	IEC 62031:2018	
	Lighting	Part 2-13: LED Control Gears	IEC 61347-2-13: 2014/AMD1:2016	
	Low-voltage switchgear and control gear assemblies	Part 1 Low Voltage Switch gear and Control gear Assemblies	IEC 61439-1: 2020	
	Power sources for arc welding Equipment's	Part -1 Arc welding Equipment, Welding power Sources.	IEC 60974-1: 2017/AMD1:2019	
	IT	Part 1: Audio/video, information and communication technology equipment	IEC 62368-1:2018	

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	Tools	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements	IEC 62841-1:2014	
	Hand-held motor- operated electric tools - Safety - Part 01 – General Requirements	8 Marking and instructions, 9 Protection against access to live parts, 10 Starting, 11 Input and current 19 Mechanical hazards, 20 Mechanical strength 21 Construction, 22 Internal wiring 24 Supply connection and external flexible cords 25 Terminals for external conductors 26 Provision for earthing, 27 Screws and connections 28 Creepage distances, clearances and distances through insulation, 29 Resistance to heat, fire and tracking, 30 Resistance to rusting	IEC 60745-1:2006	
	Lighting Equipment	Section 2: Classification Of Luminaires, Section 3: Marking, Section 5: External And Internal Wiring Section 7: Provision For Earthing Section 8: Protection Against Electric Shock Section 9: Resistance To Dust, Solid Objects And Moisture, Section 10: Insulation Resistance And Electric Strength, Touch Current And Protective Conductor Current, Section 11: Creepage Distances And Clearances Section 13: Resistance To Heat, Fire And Tracking Section 14: Screw Terminals Section 15: Screw Less Terminals And Electrical	IEC 60598-1 2020 ed8.1 , ed8.0, IEC 60598-2-1 2020-01 ed2.0 , IEC 60598-2-2 2011 ed3.0 IEC 60598-2-3 2011 ed3.1 IEC 60598-2-4 2017 ed3.0 IEC 60598-2-5:2015 ed3.0 , IEC 60598-2-8:2013 ed3.0 IEC 60598-2-10:2003 ed2.0 IEC 60598-2-13 2016 ed1.2 IEC 60598-2-17:2017 ed2.0 IEC 60598-2-18:1993/AMD1 2011/COR1:2013 IEC 60598-2-20:2014 /COR1:2016 ed4.0	

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		Connections	IEC 60598-2-21:2014 /COR1:2016 ed1.0 IEC 60598-2-22:2014/AMD1:2017ed4.0	
	Electromagnetic compatibility (EMC)	Electromagnetic compatibility (EMC) – Part 3-2: – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	IEC 61000-3-2:2020	6.2 Harmonic current measurement only
	Material testing	Resistance to heat	IEC 60695-10-2:2014	
			IEC 60695-2-10:2013	
	Conductor conductivity	Conductors of insulated cables	IEC 60228:2004	
	Accessibility to live parts	Accessibility to live parts	IEC 61032:1997 ed2.0	
	Water Fixture Testing	Flow rate measurements	ASME-A112.18.1-2015, ASME-A112. 19.1/CSA B45.2 – 2018, AS 5200.037, SASO 2655-2008	
	Information technology equipment – Safety – Part 1: General requirements	6.2 Input current, 1.7 Marking and instruction, 2.6.3.4 Resistance of earthing conductors, 2.9. Electrical insulation, 3.1 General, 3.2 Connection to mains supply 3.3 Wiring terminals for connection of external conductors, 3.4 Disconnection from the mains supply, 4.1. Stability , 4.2. Mechanical strength, 4.3.6 Direct plug-in equipment, 4.4 Protection against hazardous moving parts, 4.5 Thermal requirements, 4.7 Resistance to fire, 5.2 Electric strength, 5.3 Abnormal operating and fault condition	IEC 60950-1:2005/AMD2:2013 ed2.0	

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Note: the text in blue indicates the new scope OR update in the Edition of a test method in this issue of the scope of accreditation.

Log of Suspended Scopes:

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Suspended	Date Reinstated
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Log of Withdrawn Scopes:

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Date Withdrawn

END

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This conformity assessment body (CAB) is recorded as issuing GAC accredited reports to organizations in the countries listed below. This list is current at the time of issue of this schedule.

United Arab Emirates	Bahrain	Saudi Arabia	Oman	Qatar	Kuwait	Yemen