

10.6 Scope of Accreditation

Issue No: 06/ Issue Date: 14th April 2022
File Manager: Atta Subhan



ACCREDITED
TESTING
ISO/IEC 17025:2017
No. ATL 0097

Testing Laboratory Accreditation No. ATL 0097

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”

SGS (Thailand) Limited – ACC Branch	
Address. 700/693 Moo 7, Don Hua Roh Sub-District, Muang Chonburi District, Chonburi 20000 Thailand	Contact Person: Somkid Kumngern Tel: + 66 33 266 165 Fax: N/A Email: somkid.kumngern@sgs.com Web Address: www.sgs.com

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

Address - 700/693 Moo 7, Don Hua Roh Sub-District, Muang Chonburi District, Chonburi 20000 Thailand.

For the following scope:

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Scope:

3.Performance and Approvals Testing

- 3.15 Electromagnetic compatibility - emission testing
- 3.24 Approval tests on electrical appliances and accessories

7.Chemical Testing:

- 7.01 Metals and alloys
- 7.02 Metallic coatings and treatment solutions
- 7.27 Resins
- 7.36 Rubber
- 7.37 Plastics
- 7.39 Adhesives and sealants

Scope details are as follows:

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TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	REMARKS
Performance and Approvals Testing (Electricity)	Household and similar electrical appliances general requirements	Household and similar electrical appliances - Safety - Part 1: General requirements	IEC 60335-1:2001 + A1:2004 + A2:2006 IEC 60335-1:2010 + A1:2013 + A2:2016 IEC 60335-1:2020 EN 60335-1:2012 + A11:2014 + A12:2017 + A13:2017+A1:2019+A14:2019+A2:2019 + A15:2021 AS/NZS 60335.1:2011 + A1:2012 + A2:2014 + A3:2015 + A4:2017 + A5:2019, UL 60335-1-2016, CAN/CSA-C22.2 No. 60335-1:16, TIS 1375-2547(2004), MS IEC 60335-1:2005 MS IEC 60335-1:2013, AS/NZS60335.1:2020, TIS 1375-2563(2020)	Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation
Performance and Approvals Testing (Electricity)	Electric irons	Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for Electric irons	IEC 60335-2-3:2012+A1:2015, EN 60335-2-3:2016 + A1:2020 AS/NZS 60335-2- 3:2012 + A1:2016, CAN/CSA-E60335-2-3:13 UL 60335-2-3:2016, TIS 366-2547 (2004), MSIEC60335-2-3:2007, TCVN 5699-2-3:2006	Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation

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Performance and Approvals Testing (Electricity)	Spin Extractors	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors	IEC 60335-2-4:2008+A1:2012+ A2:2017 EN 60335-2-4:2010+A1:2015+ A11:2018 + A2:2019 AS/NZS 60335.2.4 + A1:2010 + A2:2014 + A3:2015 + A4:2018 CAN/CSA-E60335-2-4:13, TIS 1524-2553(2010) MS IEC 60335-2-4:2007	Except for 15.1,18 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation.
Performance and Approvals Testing (Electricity)	Washing machines	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines	IEC 60335-2-7:2008 + A1:2011 + A2:2016 IEC 60335-2-7:2019, EN 60335-2-7:2010 + A1:2013+A11:2013+A2:2019, AS/NZS 60335.2.7:2012 + A1:2015 + A2:2017, CAN/CSA-E60335-2-7:13 UL 2157-2018, CSA C22.2 No. 169-18, IS 302-2-7:2010 TIS 1463-2556(2013), MS 1597:Part2-7:2005	Except for 15.1,18 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers.
Performance and Approvals Testing (Electricity)	Grills, Toasters and Similar Portable Cooking Appliances	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances	IEC 60335-2-9:2008 + A1:2012 + A2:2016 IEC 60335-2-9:2019, EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007 + A13:2010 + AC: 2011 AS/NZS 60335.2.9:2014 +A1:2015 +A2:2016 +A3:2017 CAN/CSA C22.2 No. 60335-2- 9:14, TIS 1641-2552 (2009) MS IEC 60335-2-9:2014, TCVN 5699-2-9:2004	Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. -Components only for switches and safety isolating transformers.

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Performance and Approvals Testing (Electricity)	Tumble dryers	Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers	IEC 60335-2-11:2008 + A1:2012 + A2:2015, IEC 60335-2-11:2019 EN 60335-2-11:2010 + A11:2012 + A1:2015 + A2:2018, AS/NZS 60335.2.11:2017, CAN/CSA-E60335-2-11:13 UL 2158-2018, CSA C22.2 NO. 112-18 TIS 1389-2559(2016), MS IEC 60335-2-11:2014	Except for 15.1, 18, IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation- Components only for switches and safety isolating transformers.
Performance and Approvals Testing (Electricity)	Deep Fat Fryers, Frying Pans and Similar Appliances	Household and similar electrical appliances – Safety –Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances	IEC 60335-2-13:2002 + A1:2004 + A2:2008, IEC 60335-2-13:2009 + A1:2016, EN 60335-2-13:2010 + A11:2012 AS/NZS 60335.2.13:2017, CAN/CSA-E60335-2-13:13 TIS 1509-2547 (2004), MS IEC 60335-1:2005	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers.
Performance and Approvals Testing (Electricity)	Kitchen machines	Household and similar electrical appliances – Safety –Part 2-14: Particular requirements for kitchen machines	IEC 60335-2-14:2002, IEC 60335-2-14:2006 + A1:2008 + A2:2012, IEC 60335-2-14:2016 + A1:2019, EN 60335-2-14:2006 + A1:2008 + A11:2012 + A12:2016, AS/NZS 60335.2.14:2017 CAN/CSA-E60335-2-14:05, TIS 1515-2550 (2007) MS IEC 60335-2-14:2014	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers.

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Performance and Approvals Testing (Electricity)	Appliances for heating liquids	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids	IEC 60335-2-15:2002 + A1:2005 + A2:2008, IEC 60335-2-15:2012 + A1:2016 + A2:2018, EN 60335-2-15:2016 + A11:2018 AS/NZS 60335.2.15:2019, CAN/CSA C22.2 No.60335-2-15:14 + A1:2017, TIS 2062-2558(2015), TIS 2439-2552(2009) MS IEC 60335-2-15:2004, TCVN 5699-2-15:2007	<ul style="list-style-type: none"> - Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers.
Performance and Approvals Testing (Electricity)	Appliances for Skin or Hair Care	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care	IEC 60335-2-23:2016, EN 60335-2-23:2003 + A1:2008 + A11:2010 + A2:2015, AS/NZS 60335.2.23:2017 CAN/CSA-C22.2 No. 60335-2-23:15, TIS 1985-2549 (2006) TCVN 5699-2-23:2005, TCVN 5699-2-23:2007	<ul style="list-style-type: none"> - Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers

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Performance and Approvals Testing (Electricity)	Refrigerating appliances, ice-cream appliances and ice-makers	Household and similar electrical appliances – Safety –Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers	IEC 60335-2-24:2002 + A1:2005 +A2:2007, IEC 60335-2-24:2010 +A1:2012 + A2:2017, EN 60335-2-24:2010 + A1:2019 + A2:2019 + A11: 2020, IEC 60335-2-24:2020, AS/NZS 60335.2.24:2010 + A1:2013 + A2:2018, UL 60335-2-24 2017, UL 60335-2-24:2020 CAN/CSA-C22.2 No. 60335-2-24:17, TIS 2214-2548 (2005), MS IEC 60335-2-24:2005, MS IEC 60335-2-24:2015	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers
Performance and Approvals Testing (Electricity)	Battery Chargers	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers	IEC 60335-2-29:2016, EN 60335-2-29:2004 + A2:2010 + A11:2018, AS/NZS 60335.2.29:2017, CAN/CSA-E60335-2-29:06	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers

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Performance and Approvals Testing (Electricity)	Electrical heat pumps, air-conditioners and dehumidifiers	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	IEC 60335-2-40:2013+A1:2016, IEC 60335-2-40:2018 EN 60335-2-40:2003 + A1:2006 + A2:2009 + A11:2004 + A12:2006 + A13:2012 AS/NZS 60335.2.40:2019, UL 60335-2-40:2019, CAN-CSA-C22.2 NO. 60335-2-40-12, TIS 1529-2541 (1998), MS 1597-2-40:2005	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers.
Performance and Approvals Testing (Electricity)	Whirlpool baths and whirlpool spas	Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas	IEC 60335-2-60:2017 EN 60335-2-60:2003 + A1:2005 + A2:2008 + A11:2010 + A12:2010 AS/NZS 60335.2.60:2006 + A1:2009 AS/NZS 60335.2.60:2018	Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. Components only for switches and safety isolating transformers.
Performance and Approvals Testing (Electricity)	Commercial Dispensing Appliances	Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines	IEC 60335-2-75:2012+A1:2015 + A2:2018, EN 60335-2-75:2004 + A1:2005 + A11:2006 + A2:2008 + A12:2010, AS/NZS 60335.2.75:2013 + A1:2014 + A2:2017+ A3:2019	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers.

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Performance and Approvals Testing (Electricity)	Fans	Household and similar electrical appliances – Safety – Part 2-80: Particular requirements for fans	IEC 60335-2-80:2015 EN 60335-2- 80:2003 + A1:2004 + A2:2009 AS/NZS 60335-2-80:2016 CAN/CSA-C22.2 No. 60335-2-80:17 TIS 934-2558 (2015) MS 1597: Part2-80:2010 TCVN 5699-2-80:2007	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers
Performance and Approvals Testing (Electricity)	Commercial refrigerating appliances	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant unit or compressor	IEC 60335-2-89:2019 IEC 60335-2-89:2010 + A1:2012 + A2:2015 EN 60335-2-89:2010 + A1:2016 + A2:2017 AS/NZS 60335.2.89:2010 + A1:2013 + A2:2016 CAN/CSA-C22.2 No. 60335-2-89:17 UL 60335-2-89:17	- Except for 15.1 IPX1/X2, IPX8, 30.2 radiation, toxicity, Annex F capacitor, Annex J coated printed circuit boards, Annex R software evaluation. - Components only for switches and safety isolating transformers.

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Performance and Approvals Testing (Electricity)	Refrigerator	<p>Household refrigerating appliances - Characteristics and test methods</p> <p>Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements</p> <p>Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements</p> <p>Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume</p> <p>Refrigerated display cabinets — Part 2: Classification, requirements and test conditions</p> <p>Refrigerated storage cabinets and counters for professional use. Classification, requirements and test conditions</p>	<p>GB/T 8059-2016</p> <p>GB 12021.2-2015</p> <p>IEC 62552:2007</p> <p>EN 62552:2013</p> <p>EN 62552-1:2020</p> <p>EN 62552-2:2020</p> <p>EN 62552-3:2020</p> <p>NA 16762:2010</p> <p>IRAM 2404-3:2015</p> <p>NIS 942:2017</p> <p>IEC 62552-1:2015 + A1:2020</p> <p>IEC 62552-2:2015+ A1:2020</p> <p>IEC 62552-3:2015+ A1:2020</p> <p>AS/NZS IEC 62552.1:2018</p> <p>AS/NZS IEC 62552.2:2018</p> <p>AS/NZS IEC 62552.3:2018</p> <p>AS/NZS 4474:2018+ A1:2019</p> <p>GS IEC 62552 (IEC 62552: 2007)</p> <p>MS IEC 62552:2011</p>	
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			<p>MS IEC 62552-1:2016 MS IEC 62552-2:2016 MS IEC 62552-3:2016</p> <p>PNS IEC 62552:2012 PNS 396-2:2013 PNS 396-2:1997 PNS IEC 62552-1:2016 PNS IEC 62552-2:2016 PNS IEC 62552-3:2016</p> <p>SANS 62552:2008+A1:2010 + A2:2015 SANS 1691: 2015</p> <p>UNIT-IEC 62552:2007 UNIT 1138:2011</p> <p>UAE.S IEC 62552:2013 UAE.S 5010 -3:2013</p> <p>TCVN 7828:2016 TCVN 7829 :2016</p> <p>AS/NZS 4474.1:2007 + A1-2008 + A2:2011</p>	
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			AS/NZS4474.2:2009 + A1:2011 + A2:2014 KS 2464-1:2013 KS 2464-2: 2013 KS 2464-2:2020 KS IEC 2552-1:2015 KS IEC 2552-2:2015 KS IEC 2552-3:2015 SASO 2892:2018 + A1:2018 + A2:2021 NOM-015-ENER-2012 NOM-015-ENER-2018 INTE E11-1:2015 INTE E11-2:2015 INTE E11-3:2015 DGNTI-COPANIT 105:2017 DGNTI-COPANIT 511:2017 IS 1476(Part 1):2000 + A1:2004 + A2:2014 + A3:2015 (All clauses, include:	
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			<p>(Clause 8.2 Determination of Volume; Clause 14.5.3.1 Pull down test; Clause 14.9 Energy Consumption Test,)</p> <p>IS 15750:2006 + A1:2014 + A2:2019 (All clauses, include: (Clause 6.2 Determination of Volume; Clause 14 Energy Consumption Test; Clause 16 Pull down test)</p>	
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			ANSI/AHAM HRF-1-2008 CAN/CSA-C300-08 CAN/CSA-C300-15 10 CFR 430, Subpart B, Appendix A 10 CFR 430, Subpart B, Appendix B ISO 23953-1:2015 ISO 23953-2:2015 EN 16825:2016 EN 16838:2016 EN 16901:2016 EN 16902:2016 EN 50597:2018 AS 1731.3-2003 + A1-2005 AS 1731.5-2003 + A1-2005 AS 1731.9-2003 + A1-2005 AS 1731.14-2003 + A1-2005 + A2-2012 NOM-022-ENER/SCFI-2008 NOM-022-ENER/SCFI-2014 NTC 5310:2004	
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			RTS 97.01.01:15 RTS 97.02.01:15 RTE INEN 035:2009+M1:2010+M2:2010+M3:2015+C1:2019 RTE INEN 035(1R) RTE INEN 009:2005 + M1:2009 + M2:2015 + M3:2017 + C1:2019 NTE INEN 2206:2011 NTE INEN 2297:2001 Decree N 009-2017-EM Annex 3	
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<p>Performance and Approvals Testing (Electricity)</p>	<p>Air conditioner</p>	<p>Non-ducted air conditioners and heat pumps — Testing and rating for performance</p> <p>Ducted air-conditioners and air-to-air heat pumps — Testing and rating for performance</p> <p>Multiple split-system air conditioners and air-to-air heat pumps — Testing and rating for performance</p>	<p>GB/T 7725-2004 GB 12021.3-2010</p> <p>ISO 5151:2010 ISO 5151:2017 ISO 13253:2011 ISO 13253:2017 ISO 15042:2011 ISO 15042: 2017 ISO 16358-1-2013 + Cor 1:2013 + A1:2019 ISO 16358-2-2013 ISO 16358-3-2013</p> <p>SASO 2681/2013 SASO 2682/2013 SASO ISO 5151:2021 SASO ISO 13253:2021 SASO 2663:2018 SASO 2663:2014 SASO 2663:2021 SASO 2874:2016</p> <p>QS 2663:2019 QS 2663:2020</p>	
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			MS ISO 5151:2012 UAE.S 5010-1:2016 UAE.S 5010-1:2019 UAE.S 5010-5:2016 UAE.S 5010-5:2019 UAE.S ISO 5151:2011 UAE.S ISO 13253:2011 UAE.S ISO 15042:2011 JS 2107:2013 JS 2108:2013 NIS 943:2017 GSO ISO 5151:2014 GSO ISO 13253 GSO 2530-2016 GSO 2531-2016 KWS1893:2018 MEW/R-6/2018 - clause 2.3 and 3.3 only EN 14511-1:2011 EN 14511-2:2011	
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			EN 14511-3:2011 EN 14511-4:2011 EN 14511-1:2013 EN 14511-2:2013 EN 14511-3:2013 EN 14511-4:2013 EN 14511-1:2018 EN 14511-2:2018 EN 14511-3:2018 EN 14511-4:2018 EN 14825: 2016 EN 14825:2018 EN 14825: 2012 EN 14825: 2013 EN 15218:2013 SANS 54511-1:2017 SANS 54511-2:2010 SANS 54511-3:2016 SANS 54511-4:2018 TCVN 7831:2012	
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			<p>TCVN 7830:2015</p> <p>PNS 396-1:1998 PNS 396-1:2007 PNS 240:1998 PNS ISO 5151:2014 PNS ISO 16358-1:2014</p> <p>GS 362: 2001 GS 362: 2018</p> <p>AS/NZS 3823.1.5: 2015 AS/NZS 3823.1.1:2012 AS/NZS 3823.1.2:2012 AS/NZS 3823.2:2013 AS/NZS 3823.4.1:2014 +A1:2017 AS/NZS 3823.4.2:2014 +A1:2017 KS 2463: 2013 KS 2463:2019</p> <p>IS 1391(Part1) 1992 (Incorporating Amendment No. 1,2,3,4) IS 1391(Part2) 1992(Incorporating Amendment No. 1,2,3)</p>	
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			<p>IS 1391 (Part 1):2017: Amendment No.1:2018 Amendment No.2:2019 + Amendment No.3:2020 (All clause, include: (Clause 10.4 Maximum Operating Conditions Test; Clause 10.10 Cooling capacity Test; Clause 10.12 Heating capacity Test,) IS 1391(Part 2) 2018: Amendment No.1:2018 Amendment No.2:2019 + Amendment No.3:2020 (All clause, include: (Clause 9.4 Maximum Operating Conditions Test; Clause 9.9 Cooling capacity Test; Clause 9.11 Heating capacity Test,</p>	
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			<p>CSA C368.1-2014</p> <p>ARI 310/380-2004</p> <p>ANSI/ASHRAE 58-1986(RA 2014)</p> <p>ANSI/ASHRAE Standard 37-2009</p> <p>AHRI Standard 210/240 -2017</p> <p>DGNTI COPANIT 101 2017</p> <p>DGNTI COPANIT 102 2017</p> <p>DGNTI COPANIT 103 2017</p> <p>DGNTI COPANIT 104 2017</p> <p>DGNTI-COPANT 506:2017</p> <p>DGNTI-COPANT 507:2017</p> <p>DGNTI-COPANIT 508: 2017</p> <p>DGNTI-COPANIT-509:2017</p> <p>INTE/ISO 5151:2018</p> <p>INTE E 14-3:2018</p> <p>INTE E 14-4:2018</p> <p>INTE/ISO 13253:2017</p> <p>NOM-011-ENER-2006</p> <p>NOM-021-ENER/SCFI-2008</p> <p>NOM-021-ENER/SCFI-2017</p> <p>NOM-023-ENER-2010</p>	
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			NOM-023-ENER-2018 NOM-026-ENER-2015 RTS 23.01.01:15 RTS 23.01.02:15 RTS 23.01.03:15 RTE INEN 072(1R) + M1:2018 NTE INEN 2495:2012 NTE INEN ISO 5151 Decree N 009-2017-EM Annex 8 UNE-EN 14511-1:2014 UNE-EN 14511-2:2014 UNE-EN 14511-3:2014 UNE-EN 14511-4:2014 UNE EN 14511-1:2019 UNE EN 14511-2:2019 UNE EN 14511-3:2019 UNE EN 14511-4:2019 ES 4814:2008 ES 3795-1:2016 ES 3795-2:2017 ES 3795-5: 2018	
Performance and Approvals	Refrigeration equipment	Refrigeration equipment	C22.2 No. 120-13 fourth edition, Dated March 2013	

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ACCREDITED
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Testing (Electricity)	Commercial Refrigerators and Freezers	Commercial Refrigerators and Freezers	UL 471 Tenth Edition, Dated November 24, 2010	
Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission	GSO CISPR 14-1, CISPR 14-1:2020, CISPR 14-1:2016, AS/NZS CISPR 14-1:2013, AS CISPR 14-1:2018, EN 55014-1:2017 EN 55014-1:2017+A11:2020, TCVN7492-1-2018 TCVN7492-1-2010	
Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2 : Immunity – Product family standard	CISPR 14-2:2020 CISPR 14-2:2015 EN 55014-2:2015	
Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Electromagnetic compatibility (EMC) – Part 3-2: limits – limits for harmonic current emissions (Equipment input current ≤ 16 A per phase)	GSO IEC 61000-3-2 IEC 61000-3-2:2018+AMD1:2020 IEC 61000-3-2:2018 EN 61000-3-2:2014 BS EN IEC 61000-3-2:2019 +A1:2021 EN IEC 61000-3-2:2019+A1:2021	
Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	GSO IEC 61000-3-3 IEC 61000-3-3 :2013+A1:2017 +A2:2021 EN 61000-3-3:2013 BS EN 61000-3-3:2013+A1:2019 +A2:2021 EN 61000-3-3:2013+A1:2019+A2:2021	

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Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and < 75 A per phase	GSO IEC 61000-3-12 IEC 61000-3-12:2011 +A1:2021 BS EN 61000-3-12:2011	
Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Electromagnetic compatibility (EMC) – Part 3-11: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems- Equipment with rated current ≤75 A and subject to conditional connection	GSO IEC 61000-3-11 IEC 61000-3-11:2017 BS EN IEC 61000-3-11:2019	
Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Equipment for general lighting purposes – EMC immunity requirements	IEC 61547:2009 IEC 61547:2020 EN 61547:2009 BS EN 61547:2009 (Lighting equipment)	Except Radiated, radio-frequency, electromagnetic field immunity test and Power frequency magnetic field immunity test
Performance and Approvals Testing (Electricity)	-Household Electrical Appliance -Lighting equipment	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	CISPR 15:2018 BS EN 55015:2013+A1:2015 BS EN IEC 55015:2019 (Lighting equipment)	
Chemical Testing	electrotechnical products including automotive, electrical and electronic part	Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by GC-MS	IEC 62321-6:2015	

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Chemical Testing	Paint and Paper	Polybrominated biphenyls and polybrominated diphenyl ethers in Paint and Paper by GC-MS	Inhouse method: SOP no. LBCC-19021 based on IEC-62321-6 edition 1.0:2015-06	
Chemical Testing	electrotechnical products including automotive, electrical and electronic part	Phthalates in polymers by GC-MS 1.Di-n-buthyl phthalate (DBP) 2.Benzyl buthyl phthalate (BBP) 3.Bis-(2-ethylhexyl) phthalate (DEHP) 4.Di-n-octhyl phthalate (DNOP) 5.Di-iso-nonyl phthalate (DINP) 6.Di-iso-decyl phthalate (DIDP) 7.Bis –iso-buthyl ester phthalate (DIBP)	IEC 62321-8:2017	
Chemical Testing	Paint and Paper	Phthalates in Paint and Paper by GC-MS 1.Di-n-buthyl phthalate (DBP) 2.Benzyl buthyl phthalate (BBP) 3.Bis-(2-ethylhexyl) phthalate (DEHP) 4.Di-n-octhyl phthalate (DNOP) 5.Di-iso-nonyl phthalate (DINP) 6.Di-iso-decyl phthalate (DIDP) 7.Bis –iso-buthyl ester phthalate (DIBP)	Inhouse method: SOP no. LBCC-19022 based on IEC-62321-8 edition 1.0:2017-03	

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Chemical Testing	Electrotechnical products including automotive, electrical and electronic part	*Lead (Pb)(Polymer,Electronics,Metals) *Cadmium (Cd)(Polymer,Electronics,Metals) *Chromium (Cr)(Polymer,Electronics) by ICP-OES	IEC-62321 -5: 2013	
Chemical Testing	Paint and Paper	*Lead (Pb) *Cadmium (Cd) *Chromium (Cr) by ICP-OES	Inhouse method: SOP no. LBCC-19015 based on IEC-62321-5 edition 1.0:2013-6	
Chemical Testing	electrotechnical products including automotive, electrical and electronic part	Hexavalent Chromium (Cr VI) in polymers electronics 1.Soluble polymer (PVC, PC, ABS) 2.Insoluble polymer by the colorimetric method	IEC-62321-7-2: 2017	
Chemical Testing	Paint and Paper	Hexavalent Chromium (Cr VI) in Paint and Paper by the colorimetric method	Inhouse method: SOP no. LBCC-19018 based on IEC-62321-7-2 edition 1.0:2017-03	
Chemical Testing	electrotechnical products including automotive, electrical and electronic part	Hexavalent Chromium (Cr VI) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method	IEC-62321-7-1: 2015	

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Chemical Testing	electrotechnical products including automotive, electrical and electronic part	Mercury (Hg) In polymers, metals and electronics by ICP-OES	IEC 62321-4:2013+AMD1:2017	
Chemical Testing	Paint and Paper	Mercury (Hg) In Paint and Paper by ICP-OES	Inhouse method: SOP no. LBCC-19015 based on IEC-62321-4 edition 1.1:2017-07	

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.

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Log of Suspended Scopes: None

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

Log of Withdrawn Scopes: None

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

Status of this accreditation can be checked in the GAC's website to confirm the validity of this accreditation - <https://www.gac.org.sa/en/>