

10.6 Scope of Accreditation

Issue No: 02/ Issue Date: 28.11.2018
Accreditation Manager: Atta Subhan

GAC



ACCREDITED
TESTING
ISO/IEC 17025:2005
No. ATL 0068

SGS-CSTC Standards Technical Services Co., Ltd. Anhui Branch Accreditation No. ATL 0068

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognised International Standard ISO/IEC 17025:2005, "General requirements for the competence of testing and calibration laboratories"

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| SGS-CSTC Standards Technical Services Co., Ltd. Anhui Branch - Laboratory | |
| Issue No: 02 | Issue Date: 28 November 2018 |
| Address: 1&2/F, West of Building C12, Gongtou Liheng Industrial Square, Fanhua Road, Economic & Technological Development Area, Hefei, Anhui, China | Contact: Dennis Jiu Tel: +86(0)551-68795035 Fax: Email: Dennis.jiu@sgs.com Web Address: www.sgsgroup.com |

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

1- **address:** 1&2/F, West of Building C12, Gongtou Liheng Industrial Square, Fanhua Road, Economic & Technological Development Area, Hefei, Anhui, China

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For the following scope:

Scope:

3. Performance and Approvals Testing

3.24 Approval testing on electrical appliances and accessories

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 |
|---|--|--|---|
| Performance and Approvals Testing (Electricity) | Household and similar electrical appliances general requirements | Household and similar electrical appliances - Safety - Part 1: General requirements | GB 4706.1-2005 IEC 60335-1:2010+A1:2013+A2:2016 EN 60335-1:2012+A11:2014+A12:2017+A13:2017 AS/NZS 60335.1:2011+A1:2012+A2:2014+A3:2015+A4:2017 UL 60335-1-2016 CAN/CSA-C22.2 No. 60335-1:16 <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, Annex J coated printed circuit boards, Annex R software evaluation |
| Performance and Approvals Testing (Electricity) | Spin Extractors | Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors | GB4706.26-2008 IEC 60335-2-4:2008+A1:2012+A2:2017 EN 60335-2-4:2010+A1:2015 AS/NZS60335.2.4:2010+A1:2011+A2:2014+A3:2015+A4:2018 <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| Performance and Approvals Testing (Electricity) | Dishwashers | Household and similar electrical appliances - Safety - Part 2-5: Particular requirements for dishwashers | GB 4706.25-2008 IEC 60335-2-5:2012+A1:2018 EN 60335-2-5:2015 AS/NZS 60335.2.5:2014+A1:2015 <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, 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) | Washing machines | Household and similar electrical appliances - Safety - Part 2-7:Particular requirements for washing machines | GB4706.24-2008 IEC 60335-2-7:2008 +A1:2011+A2:2016 EN 60335-2-7:2010+A1:2013+A11:2013 AS/NZS 60335.2.7:2012+A1:2015+A2:2017 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| Performance and Approvals Testing (Electricity) | Tumble dryers | Household and similar electrical appliances - Safety - Part 2-11:Particular requirements for tumble dryers | GB 4706.20-2004 IEC 60335-2-11:2008 +A1:2012+A2:2015 EN 60335-2-11:2010+A11:2012+A1:2015 AS/NZS 60335.2.11:2009+A1:2010+A2:2014+A3:2015+A4:2015 AS/NZS 60335.2.11:2017 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, 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 heating liquids | Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids | GB 4706.19-2008 IEC 60335-2-15:2012+A1:2016 EN 60335-2-15:2002+ A1:2005+ A2:2008+A11:2012 EN 60335-2-15:2016 AS/NZS 60335.2.15:2013+A1 :2016+A2:2017 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| 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 | GB4706.13-2014 IEC 60335-2-24:2010 +A1:2012+A2:2017 EN 60335-2-24:2010 AS/NZS 60335.2.24:2010+A1:2013+A2:2018 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G |

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| | | | UL 60335-2-24 2017 CAN/CSA-C22.2 No. 60335-2-24:17 | overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| Performance and Approvals Testing (Electricity) | Range hoods | Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors | GB4706.28-2008 IEC 60335-2-31:2012+A1:2016 EN 60335-2-31:2014 AS/NZS 60335.2.31:2013+A1:2015+A2:2017 | - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| 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 | GB 4706.32-2012 IEC60335-2-40:2013+A1:2016 IEC60335-2-40:2018 EN 60335-2-40:2003+ A1:2006+A2:2009+A11:2004+A12:2006+A13:2012 AS/NZS 60335.2.40:2015 UL 60335-2-40-2012-11 CAN-CSA-C22.2 NO. 60335-2-40-12 | - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| Performance and Approvals Testing (Electricity) | Sauna heating and infrared cabins appliance | Household and similar electrical appliances - Safety - Part 2-53: Particular requirements for sauna heating appliances and infrared cabins | GB 4706.31-2008 IEC 60335-2-53:2011+A1:2017 EN 60335-2-53:2011 AS/NZS 60335.2.53:2011+A1:2017 | - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, 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) | Comercial electric dishwashing machine | Household and similar electrical appliances - Safety - Part 2-58: Particular requirements for commercial electric dishwashing machines | GB 4706.50-2008 IEC 60335-2-58:2017 EN 60335-2-58:2005+A1:2008+A11:2010+A2:2015+A12:2016 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, 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 | Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas | GB4706.73-2008 IEC 60335-2-60:2002+A1:2004+A2:2008 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 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, 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 and vending machines | 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 EN 60335-2-75:2004+A1:2005+A11:2006+A2:2008+A12:2010 AS/NZS 60335.2.75:2013+A1:2014+A2:2017 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, 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 withan | GB4706.102-2010 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 | <ul style="list-style-type: none"> - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G |

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| | | incorporated or remote refrigerant unit or compressor | | overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| Performance and Approvals Testing (Electricity) | Multifunctional shower cabinats | Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinats | GB4706.100-2009 IEC 60335-2-105:2016 EN 60335-2-105:2005+A1:2008+A11:2010 AS/NZS 60335.2.105:2017 | - Except for EMC, oxygen bomb, 15.1 IPX1/X2, IPX8, 25.14 curving 30.2 radiation, toxicity, Annex F capacitor, Annex G overload protection, Annex J coated printed circuit boards, Annex R software evaluation - Components only for switches and safety isolating transformers |
| Performance and Approvals Testing (Electricity) | Refrigerator | Household refrigerating appliances - Characteristics and test methods Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume | IEC 62552:2007 EN 62552:2013 IEC 62552-1:2015 IEC 62552-2:2015 IEC 62552-3:2015 AS/NZS IEC 62552.1:2018 AS/NZS IEC 62552.2:2018 AS/NZS IEC 62552.3:2018 GS IEC 62552 (IEC 62552: 2007) MS IEC 62552:2011 MS IEC 62552-1:2016 MS IEC 62552-2:2016 MS IEC 62552-3:2016 PNS IEC 62552:2012 PNS 396-2:2013 | |

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| | | <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>SANS 62552:2008+A1:2010 + A2:2015 SANS 1691: 2015 UNIT-IEC 62552:2007 UNIT 1138:2011 UAE.S IEC 62552:2013 UAE.S 5010 -3:2013 TCVN 7828:2016 TCVN 7829 :2016 AS/NZS 4474.1:2007+A1-2008+A2:2011 AS/NZS4474.2:2009+A1:2011+A2:2014 KS 2464-1:2013 KS 2464-2: 2013 SASO 2892:2018 ANSI/AHAM HRF-1-2008 CAN/CSA-C300-08 NOM-015-ENER-2012 INTE E11-1:2015 INTE E11-2:2015 INTE E11-3:2015 DGNTI-CONPANIT 105:2017 DGNTI-CONPANIT 511:2017 IS 1476(Part 1):2000 IS 15750:2006 Test procedure for measures of energy consumption 10 CFR Sections 430.23(a) (2008) and 430.23(b) (2008)10 CFR 430, Subpart B ISO 23953-2:2015 EN 16825:2016</p> |
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| | | | 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 NTC 5310:2004 |
| Performance and Approvals Testing (Electricity) | Washing machines | Clothes washing machines for household use - Methods for measuring the performance Tumble dryers for household use - Methods for measuring the performance Energy labelling requirements of household electrical clothes – Washing machines | AS/NZS 2040.1:2005+ A1:2007+A2:2009+A3:2010 AS/NZS 2040.2:2005+A1:2012 SASO 2885:2018 QS SASO 2692/2016 IEC 60456:2010 EN 60456:2016 UAE.S IEC 60456: 2010 UAE.S 5010 2: 2013 MS IEC 60456:2012 SANS 1695:2016 MS 202:2012 JIS C9606:1993+A1:2007 NMX-J-585-ANCE-2007 |
| Performance and Approvals Testing (Electricity) | Clothes dryers | | AS/NZS 2442.1:1996+A1:1998+A2:1999+A3:2003+A4:2006 AS/NZS 2442.2:2000+A1:2006+A2:2007 IEC 61121:2012 EN 61121:2013 SANS 61121:2015 UAE.S IEC 61121:2012 SASO 2883:2017 |

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| Performance and Approvals Testing (Electricity) | Washer-dryer | Electric clothes washer-dryers for household use - Methods for measuring the performance | IEC 62512:2012 UAE.S IEC 62512:2012 EN 50229:2015 SANS 50229:2010 | |
| Performance and Approvals Testing (Electricity) | Water efficient products | Water efficient products - Rating and labelling | AS/NZS 6400:2016 | Only test washing machine and tumble dryer |

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.

END

This laboratory 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 |
|----------------------|---------|--------------|------|-------|--------|-------|
| X | X | X | X | X | X | X |