

10.6 Scope of Accreditation

Issue No: 3/ Issue Date: 03.12.2018
Accreditation Manager: Atta Subhan

GAC



ACCREDITED
TESTING
ISO/IEC 17025:2005
No. ATL 0054

Testing Laboratory Accreditation No. ATL 0054

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"

| Geo-Chem Middle East CPS - Laboratory | |
|--|---|
| Issue No: 3 | Issue Date: 03.12.2018 |
| Address: Geo-Chem Middle East (CPS) Plot No. 18-0, Affection Plan # 597-22, EBC Warehouse # 6, Dubai Investment Park II, P.O.Box 5778. Dubai. United Arab Emirates. | Contact: Arasu M A Tel: +971 4 8820527 Fax: +971 4 886 7401 Email: arasu.ma@geochemglobal.com Web Address: www.geochem.ae |

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

Geo-Chem Middle East (CPS)

Plot No. 18-0, Affection Plan # 597-22, EBC Warehouse # 6, Dubai Investment Park II, P.O. Box 5778. Dubai. United Arab Emirates.

For the following scope:

Version: 3.3

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Date: 15th March 2018

Approved by: Atta Subhan

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Scope:

7. Chemical Testing

7.46 Textiles and related products

7.38 Leather

13. Mechanical Testing

13.26 Textiles and related products

13.30 Leather and leather products

13.50 Toys

Scope details are as follows:

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Textile Scope

| TEST CATEGORY | ITEMS, MATERIALS OR PRODUCTS TESTED | SPECIFIC TESTS OR PROPERTIES MEASURED | SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED |
|-----------------|--|--|---|
| Mechanical Test | Textile Fabric and Garment | Textiles — Tensile fabrics — Part 2: Determination of maximum force using the grab method | ISO 13934 (Part 2): 2014 |
| Mechanical Test | Textile Fabric and Garment | Textiles — Tensile fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method | ISO 13934 (Part 1): 2013 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test) | ASTM D5034: 2017 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method) | ASTM D5035-11: (2015) |
| Mechanical Test | Textile Fabric and Garment | Textiles — Tear properties of fabrics — Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method) | ISO 13937 (Part 2): 2000 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine) | ASTM D2261: 2017 |
| Mechanical Test | Textile Fabric and Garment | Textiles -- Determination of the slippage resistance of yarns at a seam in woven fabrics -- Part 2: Fixed load method | ISO 13936 (Part 2): 2004 |
| Mechanical Test | Textile Fabric and Garment | Textiles -- Determination of the slippage resistance of yarns at a seam in woven fabrics -- Part 1: Fixed seam opening method | ISO 13936(Part 1): 2004 |

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| Mechanical Test | Textile Fabric and Garment | Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 2: Determination of maximum force to seam rupture using the grab method | ISO 13935(Part 2): 2014 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Warp (End) and Filling (Pick) Count of Woven Fabrics | ASTM D3775: 2017 |
| Mechanical Test | Textile Fabric and Garment | Textiles - Woven fabrics - Construction - Methods of analysis - Part 2: Determination of number of threads per unit length | ISO 7211 (Part 2): 1984 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Methods for Mass Per Unit Area (Weight) of Fabric | ASTM D3776/D3776M-17 Option C |
| Mechanical Test | Textile Fabric and Garment | Textiles - Woven fabrics - Determination of mass per unit length and mass per unit area | ISO 3801: 1977 Method 5 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics | ASTM D 4970/D 4970M: 2016 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester | ASTM D3512/D3512M-10: (2016) |
| Mechanical Test | Textile Fabric and Garment | Textiles -- Determination of fabric propensity to surface fuzzing and to pilling -- Part 1: Pilling box method | ISO 12945 (Part 1): 2001 |
| Mechanical Test | Textile Fabric and Garment | Textiles -- Determination of fabric propensity to surface fuzzing and to pilling -- Part 2: Modified Martindale method | ISO 12945 (Part 2): 2000 |
| Mechanical Test | Textile Fabric and Garment | Textiles -- Determination of the abrasion resistance of fabrics by the Martindale method -- Part 1: Martindale abrasion testing apparatus | ISO 12947 (Part 1): 2016 |
| Mechanical Test | Textile Fabric and Garment | Textiles -- Determination of the abrasion resistance of fabrics by the Martindale method -- Part 2: Determination of specimen breakdown | ISO 12947 (Part 2): 2016 |

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| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method) | ASTM D4966: 2016 |
| Mechanical Test | Textile Fabric and Garment | Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age. | 16 CFR 1500.49 |
| Mechanical Test | Textile Fabric and Garment | Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age. | 16 CFR 1500.48 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Bow and Skew in Woven and Knitted Fabrics | ASTM D3882: 2016 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Width of Textile Fabric | ASTM D3774: 2018 |
| Mechanical Test | Textile Fabric and Garment | Textiles — Fabrics — Determination of width and length | ISO 22198: 2006 |
| Mechanical Test | Textile Garments & Drawstrings | Safety Of Children's Clothing – Cords And Drawstrings On Children's Clothing – Specifications | BS EN 14682: 2014 |
| Mechanical Test | Textile Garments & Drawstrings | Standard Safety Specification for Drawstrings on Children's Upper Outerwear | ASTM F 1816: 1997 (RA2009) |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Bursting Strength of Textile Fabrics— Diaphragm Bursting Strength Tester Method | ASTM D 3786 / D 3786 M: 2018 |
| Mechanical Test | Textile Fabric and Garment | Textiles -- Bursting properties of fabrics -- Part 1: Hydraulic method for determination of bursting strength and bursting distension | ISO 13938 (Part 1): 1999 (Except Mean Height at Burst) |
| Mechanical Test | Coated Leather Materials | Resistance of finish films on upper leather to peeling and delamination | Ref. SATRA TM 148: 1997 |

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| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Footwear – Ageing conditioning | BS EN 12749: 1999 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products | Footwear -- Ageing conditioning | ISO 20870: 2017 |
| Mechanical Test | Footwears, Footwears Materials, Belt Materials, Zipper Materials | Resistance of slide fasteners to repeated opening and closing | Ref. SATRA TM 50: 2018 Method 2 |
| Chemical Test | Textile Fabric and Garment | Textiles - Tests for colour fastness -- Part C06: Colour fastness to domestic and commercial laundering | ISO 105 C06: 2010 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part C10: Colour fastness to washing with soap or soap and soda | ISO 105 C10: 2007 |
| Chemical Test | Textile Fabric and Garment | Textiles — Tests for colour fastness — Part C08: Color fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator | ISO 105 C08: 2010 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Laundering: Accelerated | AATCC 61: 2013 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part C01: Colour fastness to washing: Test 1 | ISO 105 C01: 1989 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part C02: Colour fastness to washing: Test 2 | ISO 105 C02: 1989 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part C03: Colour fastness to washing: Test 3 | ISO 105 C03: 1989 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part C04: Colour fastness to washing: Test 4 | ISO 105 C04: 1989 |

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| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part C05: Colour fastness to washing: Test 5 | ISO 105 C05: 1989 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Crocking: Crockmeter Method | AATCC 8: 2016 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part X12: Colour fastness to rubbing | ISO 105 X12: 2016 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Perspiration | AATCC 15: 2013 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part E04: Colour fastness to perspiration | ISO 105 E04: 2013 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Water | AATCC 107: 2013 |
| Chemical Test | Textile Fabric and Garment | Textiles — Tests for colour fastness — Part E01: Colour fastness to water | ISO 105 E01: 2013 |
| Chemical Test | Textile Fabric and Garment | Textiles - Tests for colour fastness – Part N01: Colour fastness to bleaching: Hypochlorite | ISO 105 N01: 1993 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Laundering: Accelerated | AATCC 61-5A: 2013 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part N02: Colour fastness to bleaching: Peroxide | BS EN ISO 105 N02: 1993 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Bleaching with Hydrogen Peroxide | AATCC 101: 2013 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Water: Chlorinated Pool | AATCC 162: 2011 |
| Chemical Test | Textile Fabric and Garment | Textiles — Tests for colour fastness -- Part E03: Colour fastness to chlorinated water (swimming-bath water) | ISO 105 E03: 2010 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Water: Sea | AATCC 106: 2013 |

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| Chemical Test | Textile Fabric and Garment | Textiles — Tests for colour fastness — Part E02: Colour fastness to Sea Water | ISO 105 E02: 2013 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Heat: Hot Pressing | AATCC 133: 2013 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part X11: Colour fastness to hot pressing | ISO 105 X11: 1994 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part X05: Colour fastness to organic solvents | ISO 105 X05: 1994 |
| Chemical Test | Textile Fabric and Garment | Determination of the colourfastness of articles for common use - Part 1: Test with artificial saliva | DIN 53160 (Part 1): 2002 |
| Chemical Test | Textile Fabric and Garment | Determination of the colourfastness of articles for common use - Part 2: Test with artificial sweat | DIN 53160 (Part 2): 2002 |
| Chemical Test | Textile Fabric and Garment | Textiles — Quantitative chemical analysis — Part 1: General principles of testing | ISO 1833 (Part 1): 2006 |
| Chemical Test | Textile Fabric and Garment | Fibre Analysis - Qualitative | AATCC 20: 2013 |
| Chemical Test | Textile Fabric and Garment | Fibre Analysis - Quantitative | AATCC 20 A: 2014 |
| Chemical Test | Textile Fabric and Garment | Textiles — Quantitative chemical analysis — part 5: mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate) | ISO 1833 (Part 5): 2006 |
| Chemical Test | Textile Fabric and Garment | Textiles — Quantitative chemical analysis — part 7: mixtures of polyamide and certain other fibres (method using formic acid) | ISO 1833 (Part 7): 2017 |
| Chemical Test | Textile Fabric and Garment | Textiles — Quantitative chemical analysis — Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid) | ISO 1833 (Part 11): 2017 |

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| Chemical Test | Textile Fabric and Garment | Textiles — Quantitative chemical analysis — Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide) | ISO 1833 (Part 12): 2006 |
| Chemical Test | Textile Fabric and Garment | pH of the Water-Extract from Wet Proceeded Textiles | AATCC 81: 2016 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of pH of aqueous extract | ISO 3071: 2005 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change | ISO 3759: 2011 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of dimensional change in washing and drying | ISO 5077: 2008 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Domestic washing and drying procedures for textile testing | ISO 6330: 2012 |
| Chemical Test | Textile Fabric and Garment | Dimensional Changes of Garments after Home Laundering | AATCC 150: 2018 |
| Chemical Test | Textile Fabric and Garment | Dimensional Changes of Fabrics after Home Laundering | AATCC 135: 2018 |
| Chemical Test | Textile Fabric and Garment | Appearance of Apparel and Other Textile End Products after Repeated Home Laundering | AATCC 143: 2018 |
| Chemical Test | Textile Fabric and Garment | Smoothness Appearance of Fabrics after Repeated Home Laundering | AATCC 124: 2018 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of spirality after laundering -- Part 1: Percentage of wale spirality change in knitted garments | ISO 16322 (Part 1): 2005 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of spirality after laundering -- Part 2: Woven and knitted fabrics | ISO 16322 (Part 2): 2005 |

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| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of spirality after laundering -- Part 3: Woven and knitted garments | ISO 16322 (Part 3): 2005 |
| Chemical Test | Textile Fabric and Garment | Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering | AATCC 179: 2017 |
| Chemical Test | Textile Fabric and Garment | Smoothness of Seams in Fabrics after Repeated Home Laundering | AATCC 88B: 2018 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Powdered Non-Chlorine Bleach in Home Laundering | AATCC 172: 2018 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of formaldehyde -- Part 1: Free and hydrolysed formaldehyde (water extraction method) | ISO 14184 (Part 2): 2011 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of formaldehyde -- Part 2: Released formaldehyde (vapour absorption method) | ISO 14184 (Part 1): 2011 |
| Chemical Test | Textile Fabric and Garment | Formaldehyde Release from Fabric, Determination of- Sealed Jar Method | AATCC 112: 2014 |
| Chemical Test | Textile Fabric and Garment | Soil Release: Oily Stain Release Method | AATCC 130: 2018 |
| Chemical Test | Textile Fabric and Garment | Oil Repellency: Hydrocarbon Resistance Test | AATCC 118: 2013 |
| Chemical Test | Metallic Accessories | Atmospheric sulphide tarnishing and salt water corrosion | Ref. SATRA TM 310: 1992 Method 2 |
| Chemical Test | Metallic Accessories | Footwear -- Test Methods For Accessories: Metallic Accessories - - Corrosion Resistance | ISO 22775: 2004 Method 2 |
| Chemical Test | Textile Fabric and Garment | Colorfastness to Water Spotting | AATCC 104: 2014 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part E07: Colour fastness to spotting: Water | ISO 105 E07: 2010 |
| Chemical Test | Textile Fabric and Garment | Absorbency of Textiles | AATCC 79: 2014 |

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| Chemical Test | Leather & Leather Products Containing other Accessories | Colour fastness to water spotting of leathers, textiles and coated fabrics | Ref. SATRA TM 185: 1995 |
| Chemical Test | Leather & Leather Products Containing other Accessories | Leather -- Tests for colour fastness -- Colour fastness to water spotting | ISO 15700: 1998 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part D01: Colour fastness to drycleaning using perchloroethylene solvent | ISO 105 D01: 2010 |
| Chemical Test | Leather & Leather Products Containing other Accessories | Colour fastness to rubbing - reciprocating method | Ref. SATRA TM 173: 1995 |
| Chemical Test | Leather & Leather Products | Leather -- Tests for colour fastness -- Colour fastness to cycles of to-and-fro rubbing | ISO 11640: 2018 |
| Chemical Test | Leather & Leather Products | Footwear -- Test methods for uppers, linings and insoles -- Colour fastness to rubbing | ISO 17700: 2004 Method A |
| Chemical Test | Leather & Leather Products | Leather -- Tests for colour fastness -- Colour fastness to crocking | ISO 20433: 2012 |
| Chemical Test | Containing other Accessories | Colour fastness to rubbing - crockmeter test | Ref. SATRA TM 167: 2017 |
| Chemical Test | Containing other Accessories | Standard Test Method for Colorfastness of Crocking of Leather | ASTM D 5053: (2003) 2015 |
| Mechanical Test | Leather & Leather Products Containing other Accessories | Standard Test Method for Flexibility and Adhesion of Finish on Leather | ASTM D 6182: 2015 |
| Mechanical Test | | Flexing resistance of upper materials -- Bally flexometer | Ref. SATRA TM 55: 1999 |
| Mechanical Test | | Footwear -- Test methods for uppers and lining -- Flex resistance | ISO 17694: 2016 |
| Mechanical Test | | Leather -- Determination of flex resistance -- Part 1: Flexometer method | ISO 5402 (Part 1): 2017 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part X18: Assessment of the potential to phenolic yellowing of materials | ISO 105 X18: 2007 |

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| Chemical Test | Textile Fabric and Garment | Dimensional Changes on Drycleaning in Perchloroethylene: Machine Method | AATCC 158: 2016 |
| Chemical Test | Textile Fabric and Garment | Textiles — Professional care, drycleaning and wet cleaning of fabrics and garments — Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene | ISO 3175 (Part 2): 2017 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns | ASTM D 3107-07: 2015 |
| Mechanical Test | Textile Fabric and Garment | Standard Test Method for Stretch Properties of Knitted Fabrics Having Low Power | ASTM D 2594-04: 2016 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part C10: Colour fastness to washing with soap or soap and soda | SASO ISO 105 C10: 2007 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Tests for colour fastness -- Part X05: Colour fastness to organic solvents | SASO ISO 105 X05: 2006 |
| Chemical Test | Textile Fabric and Garment | Footwear -- Test Methods for Accessories: Metallic Accessories -- Corrosion Resistance | SASO ISO 22775: 2007, Method 2 |
| Chemical and mechanical Tests | Textile Fabric and Garment | Method of Testing Men's Workwear Fabrics Clause 14. Determination of Colour Fastness to Perspiration | SASO 1630: 2002, Cl. 14 & 16 |
| Mechanical test | Textile Fabric and Garment | Textiles - Bursting properties of fabrics – Part 1: Hydraulic method for determination of bursting strength and bursting distension | SASO ISO 13938-1: 2006 |
| Chemical Test | Textile Fabric and Garment | Methods of Testing Cotton Terry Towels Clause 19. Determination of Water Absorbency Time | SASO 1626: 2002; Clauses 6, 15, 16 & 19 |
| Chemical Test | Textile Fabric and Garment | textiles -- Determination of dimensional change in washing and drying | SASO ISO 5077: 2014 |

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| Mechanical Test | Textile Fabric and Garment | Methods of testing polyester cotton fabric (65/35) Clause 7: Determination of Mass Clause 13. Determination of Dimensional Stability on Heating | SASO 383: 1996, Cl. 7 & Cl. 13 |
| Mechanical test | Textile Fabric and Garment | Textiles -- Tear properties of fabrics -- Part 1: Determination of tear force using ballistic pendulum method (Elmendorf) | ISO 13937-1: 2000 |
| Mechanical test | Textile Fabric and Garment | Textiles -- Tear properties of fabrics -- Part 1: Determination of tear force using ballistic pendulum method (Elmendorf) | SASO ISO 13937-1: 2006 |
| Mechanical test | Textile Fabric and Garment | Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus | ASTM D 1424: 2013 |
| Mechanical test | Textile Fabric and Garment | textiles - tear properties of fabrics – part 2: determination of tear force of trouser-shaped test specimens (single tear method) | SASO ISO 13937-2: 2006 |
| Physical test | Textile fabric and garment | Textiles -- Woven fabrics -- Construction -- Methods of analysis -- Part 1: Methods for the presentation of a weave diagram and plans | ISO 7211-1: 1984 |
| Physical test | Textile Fabric and Garment | Textiles -- Woven fabrics -- Construction -- Methods of analysis -- Part 1: Methods for the presentation of a weave diagram and plans | SASO ISO 7211-1: 2006 |
| Physical test | Textile fabric and garment | Textiles- fabrics -determination of mass per unit area using small samples | BS EN 12127: 1998 |
| Physical test | Textile Fabric and Garment | textiles - woven fabrics - determination of mass per unit length and mass per unit area | SASO ISO 3801: 2001, Method 5 |
| Physical test | Textile Fabric and Garment | Methods of testing acrylic blankets Clause 7: Determination of Mass per Unit Area | SASO 999: 1997, Excluded Clause 20 |
| Physical test | Textile fabric and garment | Textiles — Fabrics — Determination of width and length | SASO ISO 22198: 2015 |

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| Physical test | Textile fabric and garment | woven fabrics-Determination of linear density of yarn removed from fabric | SASO ISO 7211-5: 2006 |
| Physical test | Textile fabric and garment | woven fabrics-Determination of linear density of yarn removed from fabric | ISO 7211-5: 1994 |
| Physical test | Textile fabric and garment | Methods of testing cotton knitted fabrics for underwear | SASO 1170: 1997 |
| Physical test | Textile fabric and garment | Textile floor-coverings: Determination of number of tufts and/or loops per unit length and per unit area | GSO 537: 1994 |
| Physical test | Textile Fabric and Garment | Textile floor - coverings - determination of number of tufts and/or loops per unit length and per unit area. | SASO GSO 537: 1994 |
| Physical test | Textile fabric and garment | Standard for the flammability of clothing textiles | 16CFR 1610: 2017 |
| Physical test | Textile fabric and garment | Standard Test Method for Flammability of Apparel Textiles | ASTM D 1230: 2017 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Quantitative chemical analysis Part 1: General Principles of testing | SASO ISO 1833-1: 2007 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Quantitative chemical analysis Part 4: Mixtures of certain protein and certain other fibres (method | SASO ISO 1833-4: 2007 |
| Chemical Test | Textile Fabric and Garment | Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate) | SASO ISO 1833-5: 2007 |
| Chemical Test | Textile Fabric and Garment | Part 7: Mixtures of polyamide and certain other fibres (method using formic acid) | SASO ISO 1833-7: 2007 |
| Chemical Test | Textile Fabric and Garment | Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid) | SASO ISO 1833-11: 2007 |
| Chemical Test | Textile Fabric and Garment | Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using | SASO ISO 1833-12: 2007 |

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| Chemical Test | Textile Fabric and Garment | Textiles - Determination of formaldehyde – Part 1: Free and hydrolysed formaldehyde (water extraction method) | SASO ISO 14184-1: 2014 |
| Chemical Test | Textile Fabric and Garment | Textiles -- Determination of pH of aqueous extract | SASO ISO 3071: 2014 |
| Chemical Test | Textile Fabric and Garment | Textiles-tests colour fastness-colour fastness to rubbing: organic solvents | SASO 2331: 2005 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Identification labels for textile products | SASO 1173/GS 863: 1997 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Textiles - Care labelling code using symbols | SASO ISO 3758: 2014 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Acrylic blankets Clause 8: Marking | SASO 1000: 2004, Cl. 8 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Tufted cut pile textile floor covering for domestic use Clause 5: Marking | SASO 687: 1994, Cl. 5 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Woven and knitted upholstery fabrics for domestic use Clause 7: Marking | SASO 1171: 1998, Cl. 7 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Woven silk fabric Clause 6. Marking | SASO 784: 1994, Cl. 6 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Cotton knitted fabrics for underwear Clause 6. Marking | SASO 1169: 1998, Cl. 6 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Men's socks – Cotton and nylon socks Clause 6. Marking | SASO 2636: 2006, Cl. 6 |
| Physical Test (Visual Inspection) | Textile Fabric and Garment | Woven Woollen Blankets Clause 5. Marking & Labelling | SASO 559: 1989, Cl. 5 |

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| Physical Test (Visual Inspection) | Textile Fabric and Garment | Bed sheets and pillowslips (50 / 50 cotton / polyester) for general use | SASO 1627: 1999, Cl. 6 |
| Mechanical test | Textile Fabric and Garment | Textile floor coverings – Determination of thickness of pile above the substrate | SASO GSO 536: 1994 |
| Mechanical test | Textile Fabric and Garment | Carpets – Determination of mass of effective pile per unit area that can be shorn away from the backing | SASO GSO 539: 1994 |
| Mechanical test | Textile Fabric and Garment | Carpets - Determination of tuft withdrawal force | SASO ISO 4919: 2014 |
| Mechanical test | Textile Fabric and Garment | Cotton terry towels | SASO 1625: 1999 Excluded 5.2.1.5 |
| Chemical test | Textile Fabric and Garment | Tests for colour fastness of textiles – C-methods for determination of colour fastness to perspiration | SASO GSO 1268: 2002 |
| Chemical test | Textile Fabric and Garment | Color fastness to Dry cleaning | AATCC 132: 2013 |
| Chemical test | Textile Fabric and Garment | Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test | ISO 105 B02: 2014 |
| Chemical test | Textile Fabric and Garment | Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test | SASO ISO 105 B02: 2014 |
| Chemical Test | Textile Fabric and Garment | Colourfastness to Light: Xenon-Arc | AATCC 16.3: 2014 |
| Mechanical test | Textile Fabric and Garment | Men's socks – Cotton and nylon socks Clause 4: Requirements | SASO 2636: 2006, Cl.s 4 & 6 |
| Mechanical test | Textile Fabric and Garment | Men's socks- cotton and nylon socks | GSO 2261:2012; Cl. 4 and Cl. 6 |
| Mechanical test | Textile fabric and garment | Standard Performance Specification for Towel Products for Institutional and Household Use | ASTM D 5433: 2012; Cl. 7.1.1 |

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| Chemical test | Textile Fabric and Garment | Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing | SASO ISO 105 X12: 2005 |
| Mechanical test | Textile Fabric and Garment | Textiles - Tensile properties of fabrics – Part 1: Determination of maximum force and elongation at maximum force using the strip | SASO ISO 13934-1: 2016 |
| Chemical test | Textile Fabric and Garment | Textiles - Tests for colour fastness - Part D01: Colour fastness to drycleaning using perchloroethylene solvent | SASO ISO 105 D01: 2014 |
| Mechanical test | Textile Fabric and Garment | Standard Test Method for Failure in Sewn Seams of Woven Fabrics | ASTM D1683/D1683M-17 (Reapproved 2018) |
| Mechanical test | Textile Fabric and Garment | Woven fabrics - Measurement of length of pieces | SASO 1620: 1999 |

Leather/ Leather products/ Footwear/ Toys

| Test Category | Items, Materials or Products tested | Specific Tests or Properties measured | Specification, Standard Method or Technique used |
|---------------|-------------------------------------|--|--|
| | | Leather — Physical and mechanical tests — Determination of thickness | ISO 2589: 2016 |
| | | | SASO ISO 2589: 2007 |
| | | Test Method for Measuring Thickness of Leather Test Specimens | ASTM D1813: 13(2017) |
| | | Thickness of leather and insole materials | Ref. SATRA TM 1: 2013 |
| | | Determination of insole thickness | ISO 20344: 2011, Cl. 7.1 |
| | | Determination of insole thickness | ISO 20345: 2011, Cl. 5.7.1 |
| | | Determination of insole thickness | ISO 20346: 2014, Cl. 5.7.1 |
| | | Determination of insole thickness | ISO 20347: 2012, Cl. 5.7.1 |
| | | Determination of insole thickness | SASO ISO 20344: 2014, Cl. 7.1 |
| | | Determination of insole thickness | SASO ISO 20345: 2014, Cl. 5.7.1 |

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| | | Determination of insole thickness | SASO ISO 20346: 2007, Cl. 5.7.1 |
| | | Determination of insole thickness | SASO ISO 20347: 2014, Cl. 5.7.1 |
| Mechanical Test | Leather & Leather Products Containing Other Accessories | Leather — Physical and mechanical tests — Determination of tensile strength and percentage extension | ISO 3376: 2011 |
| | | Leather — Physical and mechanical tests — Determination of tensile strength and percentage extension | SASO ISO 3376: 2014 |
| | | Test Method for Breaking Strength of Leather by the Grab Method | ASTM D2208: 2016 |
| | | Breaking strength and extension at break | Ref. SATRA TM 29: 2017 |
| | | Footwear - Test methods for uppers - Tensile strength and elongation | ISO 17706: 2003 |
| | | | SASO ISO 17706: 2007 |
| | | Determination of the tensile properties of the upper material (Only Split Leather) | ISO 20344: 2011, Cl. 6.4 |
| | | | ISO 20345: 2011, Cl. 5.4.4 |
| | | | ISO 20346: 2014, Cl. 5.4.4 |
| | | | ISO 20347: 2012, Cl. 5.4.4 |
| | | | SASO ISO 20344: 2014, Cl. 6.4 |
| | | | SASO ISO 20345: 2014, Cl. 5.4.4 |
| | | | SASO ISO 20346: 2007, Cl. 5.4.4 |
| | | | SASO ISO 20347: 2014, Cl. 5.4.4 |
| | | Leather — Physical and mechanical tests — Determination of tear load — Part 1: Single edge tear | ISO 3377-1: 2011 |
| | | | SASO ISO 3377-1: 2014 |
| | | Footwear - Test methods for uppers, linings and insoles - Tear strength | ISO 17696: 2004 |
| | | | SASO ISO 17696: 2006 |
| Mechanical Test | Leather & Leather Products Containing other Accessories | | |

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| | | Rubber- or plastics-coated fabrics — Determination of tear resistance — Part 1: Constant rate of tear methods | SASO ISO 4674-1: 2007 Method B ISO 4674-1: 2016 Method B |
| Mechanical Test | Leather & Leather Products Containing other Accessories | Leather — Physical and mechanical tests — Determination of tear load — Part 2: Double edge tear | ISO 3377-2: 2016 |
| | | Leather — Physical and mechanical tests — Determination of tear load — Part 2: Double edge tear | SASO ISO 3377-2: 2007 |
| | | Test Method for Slit Tear Resistance of Leather | ASTM D2212: 2015 |
| | | Tear strength - Baumann method | Ref. SATRA TM 162:2017 |
| | | Determination of tear strength of the upper, lining and/or tongue | ISO 20344: 2011, Cl. 6.3 |
| | | | ISO 20345: 2011, Cl. 5.4.3 |
| | | | ISO 20346: 2014, Cl. 5.4.3 |
| | | | ISO 20347: 2012, Cl. 5.4.3 |
| | | | SASO ISO 20344: 2014, Cl. 6.3 |
| | | | SASO ISO 20345: 2014, Cl. 5.4.3 |
| | | | SASO ISO 20346: 2007, Cl. 5.4.3 |
| | | | SASO ISO 20347: 2014, Cl. 5.4.3 |
| Mechanical Test | Leather & Leather Products Containing other Accessories | Footwear - Test methods for uppers, lining and insoles - Seam strength | ISO 17697: 2016 Method B SASO ISO 17697: 2006 Method B |
| | | Measurement of the strength of stitched seams in upper and lining materials | Ref. SATRA TM 180: 2016 |
| Mechanical Test | Finished Leather and Coated Leather material | Leather - Test for adhesion of finish | ISO 11644: 2009 |
| | | | SASO ISO 11644: 2014 |
| Mechanical Test | | Determination of water penetration and water absorption for | ISO 20344: 2011, Cl. 6.13 |

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| | Leather & Leather Products Containing Other Accessories | upper | ISO 20345: 2011, Cl. 6.3 |
| | | | ISO 20346: 2014, Cl. 6.3.1 |
| | | | ISO 20347: 2012, Cl. 6.3 |
| | | | SASO ISO 20344: 2014, Cl. 6.13 |
| | | | SASO ISO 20345: 2014, Cl. 6.3 |
| | | | SASO ISO 20346: 2007, Cl. 6.3.1 |
| | | | SASO ISO 20347: 2014, Cl. 6.3 |
| Mechanical Test | Leather & Leather Products Containing Other Accessories | Footwear -- Test methods for uppers and lining -- Flex resistance | SASO ISO 17694: 2006 |
| | | Leather -- Determination of flex resistance -- Part 1: Flexometer method | SASO ISO 5402-1: 2014 |
| Mechanical Test | Leather & Leather Products Containing other Accessories | Leather — Determination of flex resistance — Part 2: Vamp flex method | ISO 5402-2:2015 |
| | | Vamp flex test - resistance to creasing and cracking | Ref. SATRA TM 25: 2016 Cold condition test excluded |
| Mechanical Test | Leather & Leather Products Containing other Accessories | Footwear. Test methods for uppers, lining and insoles. Abrasion resistance | BS EN 13520: 2002 |
| | | | ISO 20344: 2011, Cl. 6.12 |
| | | | ISO 20345: 2011, Cl. 5.7.4.2 |
| | | | ISO 20346: 2014, Cl. 5.7.4.2 |
| | | | ISO 20347: 2012, Cl. 5.7.4.2 |
| | | | SASO ISO 20344: 2014, Cl. 6.12 |
| | | | SASO ISO 20345: 2014, Cl. 5.7.4.2 |
| | | | SASO ISO 20346: 2007, Cl. 5.7.4.2 |
| | | | SASO ISO 20347: 2014, Cl. 5.7.4.2 |
| Mechanical Test | Leather & Leather Products Containing other Accessories | Determination of abrasion resistance of lining and insock | |

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| | | Determination of insulation against cold | ISO 20344: 2011, Cl. 5.13 |
| | | Determination of insulation against cold | SASO ISO 20344: 2014, Cl. 5.13 |
| Mechanical Test | Leather & Leather Products Containing other Accessories, Soling material | Methods of test for footwear and footwear materials. Solings. Resistance of solings to short-term contact with a hot surface | BS 5131: 1983, Cl. 2.11 |
| | | Resistance to damage due to contact with a hot surface | Ref. SATRA TM 49: 1995 |
| | | Determination of resistance to hot contact | ISO 20344: 2011, Cl. 8.7 |
| | | Determination of resistance to hot contact | ISO 20345: 2011, Cl. 6.4.4 |
| | | Determination of resistance to hot contact | ISO 20346: 2014, Cl. 6.4.4 |
| | | Determination of resistance to hot contact | ISO 20347: 2012, Cl. 6.4.1 |
| | | Determination of resistance to hot contact | SASO ISO 20344: 2014, Cl. 8.7 |
| | | Determination of resistance to hot contact | SASO ISO 20345: 2014, Cl. 6.4.4 |
| | | Determination of resistance to hot contact | SASO ISO 20346: 2007, Cl. 6.4.4 |
| | | Determination of resistance to hot contact | SASO ISO 20347: 2014, Cl. 6.4.1 |
| Mechanical Test | Soling Materials, Rubber Materials, PU Sole Materials, Leather Sole, Footwears | Footwear — Test methods for outsoles — Flex resistance | ISO 17707: 2005 |
| | | Footwear — Test methods for outsoles — Flex resistance | SASO ISO 17707: 2007 |
| | | Bennewart flex test - resistance to cut growth on flexing | Ref. SATRA TM 161:2004 |
| | | Determination of flexing resistance of outsole | ISO 20344: 2011, Cl. 8.4 |
| | | Determination of flexing resistance of outsole | ISO 20345: 2011, Cl. 5.8.4 |
| | | Determination of flexing resistance of outsole | ISO 20346: 2014, Cl. 5.8.4 |
| | | Determination of flexing resistance of outsole | ISO 20347: 2012, Cl. 5.8.4 |
| | | Determination of flexing resistance of outsole | SASO ISO 20344: 2014, Cl. 8.4 |
| | | Determination of flexing resistance of outsole | SASO ISO 20345: 2014, Cl. 5.8.4 |
| | | Determination of flexing resistance of outsole | SASO ISO 20346: 2007, Cl. 5.8.4 |

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| | | Determination of flexing resistance of outsole | SASO ISO 20347: 2014, Cl. 5.8.4 |
| Mechanical Test | Soling Materials, Rubber Materials, PU Sole Materials, Leather Sole, Footwears | Footwear — Test methods for outsoles — Abrasion resistance | ISO 20871: 2018 |
| | | Footwear — Test methods for outsoles — Abrasion resistance | SASO ISO 20871: 2007 |
| | | Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device | ISO 4649: 2017 |
| | | Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device | SASO ISO 4649: 2014 |
| | | Test Method for Rubber Property—Abrasion Resistance (Rotary Drum Abrader) | ASTM D5963: 04(2015) |
| | | Footwear. Test methods for outsoles. Abrasion resistance | BS EN 12770:2000 |
| | | Abrasion resistance - rotating drum method | Ref. SATRA TM 174:2016, Method 1 |
| | | Determination of outsole abrasion resistance | ISO 20344: 2011, Cl. 8.3 |
| | | Determination of outsole abrasion resistance | ISO 20345: 2011, Cl. 5.8.3 |
| | | Determination of outsole abrasion resistance | ISO 20346: 2014, Cl. 5.8.3 |
| | | Determination of outsole abrasion resistance | ISO 20347: 2012, Cl. 5.8.3 |
| | | Determination of outsole abrasion resistance | SASO ISO 20344: 2014, Cl. 8.3 |
| | | Determination of outsole abrasion resistance | SASO ISO 20345: 2014, Cl. 5.8.3 |
| | | Determination of outsole abrasion resistance | SASO ISO 20346: 2007, Cl. 5.8.3 |
| | | Determination of outsole abrasion resistance | SASO ISO 20347: 2014, Cl. 5.8.3 |
| Mechanical Test | Soling Materials, Rubber Materials, PU Sole Materials, Leather Sole, Footwears | Rubber, vulcanized or thermoplastic -- Determination of density | ISO 2781: 2018 |
| | | Rubber, vulcanized or thermoplastic -- Determination of density | SASO ISO 2781: 2010 |
| | | Density of materials by volume displacement | Ref. SATRA TM 134: 1998 |
| | | Density of complete sole units | Ref. SATRA TM 138: 2001 |

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| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Adhesion of stuck-on and moulded-on soles | BS 5131 SEC 5.1: 1990 |
| | | Rapid Sole adhesion test - For Complete footwear | Ref. SATRA TM 404: 1992 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Footwear - test methods for whole shoe - upper sole adhesion | ISO 17708: 2018 |
| | | Footwear - test methods for whole shoe - upper sole adhesion | SASO ISO 17708: 2007 |
| | | Methods of test for footwear and footwear materials. Testing of complete footwear. Sole bond peeling strength | BS 5131: 1978, Cl. 5.4 |
| | | Determination of upper/outsole and sole interlayer bond strength | ISO 20344: 2011, Cl. 5.2 |
| | | Determination of upper/outsole and sole interlayer bond strength | ISO 20345: 2011, Cl. 5.8.6 |
| | | Determination of upper/outsole and sole interlayer bond strength | ISO 20346: 2014, Cl. 5.3.1.2 |
| | Leather and Leather Product Footwears, Sandal Products materials | Determination of upper/outsole and sole interlayer bond strength | ISO 20347: 2012, Cl. 5.8.6 |
| | | Determination of upper/outsole and sole interlayer bond strength | SASO ISO 20344: 2014, Cl. 5.2 |
| | | Determination of upper/outsole and sole interlayer bond strength | SASO ISO 20345: 2014, Cl. 5.8.6 |
| | | Determination of upper/outsole and sole interlayer bond strength | SASO ISO 20346: 2007, Cl. 5.3.1.2 |
| | | Determination of upper/outsole and sole interlayer bond strength | SASO ISO 20347: 2014, Cl. 5.8.6 |
| | | Personal protective equipment - footwear - test method for slip resistance | ISO 13287:2012 |

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| | | Personal protective equipment - footwear - test method for slip resistance | SASO ISO 13287:2014 |
| | | Determination of footwear slip resistance | ISO 20344: 2011, Cl. 5.11 |
| | | Determination of footwear slip resistance | ISO 20345: 2011, Cl.5.3.5 |
| | | Determination of footwear slip resistance | ISO 20347: 2012, Cl.5.3.4 |
| | | Determination of footwear slip resistance | SASO ISO 20344: 2014, Cl.5.11 |
| | | Determination of footwear slip resistance | SASO ISO 20345: 2014, Cl.5.3.5 |
| | | Determination of footwear slip resistance | SASO ISO 20347: 2014, Cl.5.3.4 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Fatigue test for Shoe heels - (Heel Fatigue) | ISO 19956: 2004 |
| | | Fatigue test for Shoe heels - (Heel Fatigue) | SASO ISO 19956: 2007 |
| | | Lateral impact test for shoe heels | Ref. SATRA TM 21: 2017 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Footwear -- Ageing conditioning | SASO ISO 20870: 2007 |
| | | Resistance of Footwear Flexing | Ref. SATRA TM 92: 2016 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Measurement of the height of the upper | ISO 20344: 2011, Cl.6.2 |
| | | Measurement of the height of the upper | SASO ISO 20344: 2014, Cl.6.2 |
| | | Measurement of the height of the upper | ISO 20345: 2011, Cl.5.2.2 |
| | | Measurement of the height of the upper | SASO ISO 20345: 2014, Cl.5.2.2 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Determination of abrasion resistance of insole | ISO 20344: 2011, Cl.7.3 |
| | | Determination of abrasion resistance of insole | SASO ISO 20344: 2014, Cl.7.3 |
| | | Determination of abrasion resistance of insole | ISO 20345: 2011, Cl.5.7.4.1 |
| | | Determination of abrasion resistance of insole | SASO ISO 20345: 2014, Cl.5.7.4.1 |
| | | Determination of outsole thickness | ISO 20344: 2011, Cl.8.1.2 |

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| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Determination of outsole thickness | ISO 20345: 2011, Cl.5.8.1 |
| | | Determination of outsole thickness | SASO ISO 20344: 2014, Cl.8.1.2 |
| | | Determination of outsole thickness | SASO ISO 20345: 2014, Cl.5.8.1 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Determination of the penetration resistance of footwear using a metallic anti-penetration insert | ISO 20344: 2011, Cl.5.8.2 |
| | | Determination of penetration force | ISO 20345: 2011, Cl.6.2.1.1 |
| | | Determination of penetration force | ISO 20346: 2014, Cl.6.2.1.1 |
| | | Determination of penetration force | ISO 20347: 2012, Cl.6.2.1.1 |
| | | Determination of penetration force | SASO ISO 20344: 2014, Cl.5.8.2 |
| | | Determination of penetration force | SASO ISO 20345: 2014, Cl.6.2.1.1 |
| | | Determination of penetration force | SASO ISO 20346: 2007, Cl.6.2.1.1 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Determination of penetration force | SASO ISO 20347: 2014, Cl.6.2.1.1 |
| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | ISO 20344: 2011, Cl.5.10wet conditions |
| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | ISO 20345: 2011, Cl.6.2.2 |
| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | ISO 20346: 2014, Cl.6.2.2 |
| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | ISO 20347: 2012, Cl.6.2.2 |
| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | SASO ISO 20344: 2014, Cl.5.10wet conditions excluded |
| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | SASO ISO 20345: 2014, Cl.6.2.2 |

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| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | SASO ISO 20346: 2007, Cl.6.2.2 |
| | | Determination of electrical resistance (Conductive Footwear, Antistatic Footwear) | SASO ISO 20347: 2014, Cl.6.2.2 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Determination of impact resistance | ISO 20344: 2011, Cl.5.4 |
| | | Determination of impact resistance | ISO 20345: 2011, Cl.5.3.2.3 |
| | | Determination of impact resistance | ISO 20346: 2014, Cl.5.3.2.3 |
| | | Determination of impact resistance | SASO ISO 20344: 2014, Cl.5.4 |
| | | Determination of impact resistance | SASO ISO 20345: 2014, Cl.5.3.2.3 |
| | | Determination of impact resistance | SASO ISO 20346: 2007, Cl.5.3.2.3 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Determination of insulation against heat | ISO 20344: 2011, Cl.5.12 |
| | | | ISO 20345: 2011, Cl.6.2.3.1 |
| | | | ISO 20346: 2014, Cl.6.2.3.1 |
| | | | ISO 20347: 2012, Cl.6.2.3.1 |
| | | | SASO ISO 20344: 2014, Cl.5.12 |
| | | | SASO ISO 20345: 2014, Cl.6.2.3.1 |
| | | | SASO ISO 20346: 2007, Cl.6.2.3.1 |
| | | | SASO ISO 20347: 2014, Cl.6.2.3.1 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Determination of leak Proofness | ISO 20344: 2011, Cl.5.7 |
| | | | ISO 20345: 2011, Cl.5.3.3 |
| | | | ISO 20346: 2014, Cl.5.3.3 |
| | | | ISO 20347: 2012, Cl.5.3.2 |
| | | | SASO ISO 20344: 2014, Cl.5.7 |
| | | | SASO ISO 20345: 2014, Cl.5.3.3 |

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| | | | SASO ISO 20346: 2007, Cl.5.3.3 |
| | | | SASO ISO 20347: 2014, Cl.5.3.2 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Blade Cut resistance | BS EN 388: 2016, Cl. 6.2 |
| | | Determination of resistance of upper to cutting | ISO 20344: 2011, Cl.6.14 |
| | | Determination of resistance of upper to cutting | ISO 20345: 2011, Cl.6.2.8 |
| | | Determination of resistance of upper to cutting | ISO 20346: 2014, Cl.5.3.3 |
| | | Determination of resistance of upper to cutting | ISO 20347: 2012, Cl.6.2.7 |
| | | Determination of resistance of upper to cutting | SASO ISO 20344: 2014, Cl.6.14 |
| | | Determination of resistance of upper to cutting | SASO ISO 20345: 2014, Cl.6.2.8 |
| | | Determination of resistance of upper to cutting | SASO ISO 20346: 2007, Cl.5.3.3 |
| | | Determination of resistance of upper to cutting | SASO ISO 20347: 2014, Cl.6.2.7 |
| Mechanical Test | Leather and Leather Product Footwears, Sandal Products materials | Standard test method for Foot Protection | ASTM F2412: 2018, Cl. |
| | | Standard Specification for Performance requirement for protective(Safety) Toe cap footwear | ASTM F2413: 2017, Cl.5.5 |
| Mechanical Test | Footwears, Footwears Materials, Belt Materials, Zipper Materials, Velcro material | Peel strength before and after repeated closing | ISO 22777: 2004 |
| | | Peel strength before and after repeated closing | SASO ISO 22777: 2007 |
| | | shear strength before and after repeated closing | ISO 22776: 2004 |
| | | shear strength before and after repeated closing | SASO ISO 22776: 2007 |
| | | Closure strength of touch and close fasteners | SATRA TM 123: 2018 |
| | | Attachment strength/ buckle/ straps/ trims/bows | SATRA TM 117:1992 |
| | | Lace Breaking Strength | BS 5131: 1991, Cl. 3.7 |
| | | Breaking Force of Buckle – Three-point bending test | SATRA TM 141:1994 |
| | | Strength of buckles and strap | SATRA TM 181:2017 |

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| | | Knot slippage test | SATRA TM 195:2004 |
| | | Strength of slide fastener puller | SATRA TM 52:2018 |
| | | Attachment strength of slide fastener end stops | SATRA TM 53:1992 |
| | | Slider locking strength of slide fasteners | SATRA TM 226:1999 |
| | | Resistance of elastics to repeated extension | SATRA TM 103: 2018 |
| Chemical Test | Finished Leather, Footwears, Leather Products, Synthetic Materials, Industrial Products | leather -chemical determination of formaldehyde content – method using colorimetric analysis | ISO 17226-2: 2008 |
| | | leather -chemical determination of formaldehyde content – method using colorimetric analysis | SASO ISO 17226-2: 2010 |
| Chemical Test | Finished Leather, Footwears, Leather Products, Synthetic Materials, Industrial Products | Standard Test Method for pH of Leather | ASTM D2810: 2013 |
| | | leather - chemical tests - determination of pH | ISO 4045: 2018 |
| | | leather - chemical tests - determination of pH | SASO ISO 4045: 2014 |
| | | Volatile Matter (Moisture) of Leather | ASTM D3790: 2017 |
| Chemical Test Test | Leather & Leather Products Containing other Accessories | Leather -- Tests for colour fastness -- Colour fastness to perspiration | ISO 11641: 2012 |
| | | Leather -- Tests for colour fastness -- Colour fastness to perspiration | SASO ISO 11641: 2014 |
| | | Footwear -- Test methods for uppers, linings and insoles -- Colour fastness to rubbing | ISO 17700: 2004 Method C |
| | | Footwear -- Test methods for uppers, linings and insoles -- Colour fastness to rubbing | SASO ISO 17700: 2007 Method C |
| | | Colour fastness to perspiration | SATRA TM 335: 2018 |

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| Chemical Test | Leather & Leather Products Containing other Accessories | leather - tests for colour fastness - colour fastness to water | ISO 11642: 2012 |
| | | leather - tests for colour fastness - colour fastness to water | SASO ISO 11642: 2014 |
| | | Colour fastness to Water | SATRA TM 335: 2018 |
| Chemical Test | Leather & Leather Products Containing other Accessories | Colour fastness to light from a xenon arc | SATRA TM 160: 1992 |
| Chemical Test | Leather & Leather Products Containing other Accessories | Leather -- Tests for colour fastness -- Colour fastness to water spotting | SASO ISO 15700: 2007 |
| Chemical Test | Leather & Leather Products Containing other Accessories | Leather -- Tests for colour fastness -- Colour fastness to cycles of to-and-fro rubbing | SASO ISO 11640: 2014 |
| | | Footwear -- Test methods for uppers, linings and insoles -- Colour fastness to rubbing | SASO ISO 17700: 2007 Method A |
| Chemical Test | Leather & Leather Products Containing other Accessories | Leather -- Tests for colour fastness -- Colour fastness to crocking | SASO ISO 20433: 2014 |
| Chemical Test | Finished Leather, Footwears, Leather Products, Synthetic Materials, Industrial Products | Leather - chemical tests - determination of pH | GSO ISO 4045: 2014 |
| Visual Assessment | Leather and Leather, product footwear, Sandal Product materials | Labelling/Marking | SASO ISO 20346-7: 2007 |
| | | | SASO ISO TR-20880-5: 2014 |
| Mechanical Test | Toys | Sharp point Test | EN 71-1:2014, Cl. 8.12 |
| | | | ASTM F963 – 17, Cl. 4.9 |
| | | | 16 CFR 1500 48: 2017 |
| | | | JAPAN ST 2012, Cl. 5.9 |

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|-----------------|------|-----------------|--------------------------------|
| Mechanical Test | Toys | Sharp Edge Test | AS/NZS 8124-1:2017, Cl. 5.9 |
| | | | ISO 8124 -1: 2014, Cl. 5.9 |
| | | | EN 71 -1: 2014, Cl. 8.11 |
| | | | ASTM F963:17, Cl. 4.7 |
| | | | JAPAN ST 2012, Cl. 5.8 |
| | | | 16 CFR 1500 49: 2017 |
| | | | AS/NZS 8124-1:2016, Cl. 5.8 |
| | | | ISO 8124 -1: 2014, Cl.5.8 |
| | Toys | Small Parts | EN 71 – 1:2014, Cl. 8.2 |
| | | | ASTM F963 – 17, Cl. 4.6 |
| | | | AS/NZS 8124-1:2016, Cl. 5.2 |
| | | | ISO 8124 -1: 2014, Cl.5.2 |
| | | | JAPAN ST 2012, Cl. 5.2 |
| | | | 16 CFR 1501:2017 |
| | | Torque Test | EN 71-1:2014, Cl. 8.3 |
| | | | ASTM F963 – 17, Cl. 8.8 |
| | | | 16 CFR 1500 51,52,53: 2017 |
| | | | JAPAN ST 2012, Cl. 5.22.5 |
| | | | AS/NZS 8124-1:2016, Cl. 5.24.5 |
| | | | ISO 8124 -1: 2014, Cl.5.24.5 |
| | | Tension Test | EN 71-1:2014, Cl. 8.4 |
| | | | ASTM F963 – 17, Cl. 8.9 |
| | | | 16 CFR 1500 51,52,53:2017 |
| | | | JAPAN ST 2012, Cl. 5.22.6 |
| | | | AS/NZS 8124-1:2016 5.24.6 |
| | | | ISO 8124 -1: 2014, Cl.5.24.6 |

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|-----------------|------|---------------|--------------------------------|
| Mechanical Test | Toys | Impact Test | EN 71-1:2014, Cl. 8.7 |
| | | | 16 CFR 1500 51,52,53:2017 |
| | | | ASTM F963 – 17, Cl. 8.7 |
| | | Drop Test | EN71-1 :2014, Cl. 8.5 |
| | | | ASTM F963 – 17, Cl. 8.7.1 |
| | | | JAPAN ST 2012, Cl. 5.22.2 |
| | | | AS/NZS 8124-1:2016, Cl. 5.24.2 |
| | | | ISO 8124 -1: 2014, Cl.5.24.2 |
| | | Bite Test | 16 CFR 1500 51,52,53:2017 |
| | | | JAPAN ST 2012, Cl. 5.3.1 |
| | | Flexure Test | EN71-1 :2014, Cl. 8.13 |
| | | | 16 CFR 1500 51,52,53:2017 |
| | | | JAPAN ST 2012, Cl. 5.22.8 |
| | | | ASTM F963 – 17, Cl. 8.12 |
| | | | AS/NZS 8124-1:2016, Cl. 5.24.8 |
| | | | ISO 8124 -1: 2014, Cl.5.24.8 |
| | | Tip Over Test | EN 71-1:2014, Cl. 8.6 |
| | | | JAPAN ST 2012, Cl. 5.22.3 |
| | | | 16 CFR 1500 51,52,53:2017 |
| | | | AS/NZS 8124-1:2016, Cl. 5.24.3 |
| | | | ISO 8124 -1: 2014, Cl.5.24.3 |
| | | Soaking Test | ASTM F963 – 17, Cl. 8.7 |
| | | | EN71-1:2014, Cl. 8.9 |
| | | | ASTM F963 – 17, Cl. 8.25.4.1 |
| | | | AS/NZS 8124-1:2016, Cl. 5.34 |
| | | | ISO 8124 -1: 2014, Cl.5.34 |

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|-----------------|------|-----------------------------------|---|
| Mechanical Test | Toys | Durability of Mouth Actuated Toys | EN71-1:2017, Cl. 8.17 |
| | | | ASTM F963 – 17, Cl. 8.13.2.2 |
| | | | JAPAN ST 2012, Cl. 5.18 |
| | | | AS/NZS 8124-1:2016, Cl. 5.20 |
| | | | ISO 8124 -1: 2014, Cl.5.20 |
| | | Dynamic strength | EN71 -1:2014, Cl. 8.22 |
| | | | ASTM F963 – 17, Cl. 8.21 |
| | | Static Strength | EN 71-1:2014, Cl. 8.21 |
| | | | AS/NZS 8124-1:2016, Cl.5.26 |
| | | | ISO 8124 -1: 2014, Cl.5.26 |
| | | | ASTM F963 – 17, Cl. 8.28 |
| | | Kinetic Energy | EN71-1 :2014, Cl. 8.24 |
| | | | JAPAN ST 2012, Cl. 5.15 |
| | | | AS/NZS 8124-1:2016, Cl. 5.15 |
| | | | ISO 8124 -1: 2014, Cl.5.15 |
| | | | ASTM F963 – 17, Cl. 8.14 |
| | | Stability Test | EN71-1 :2014, Cl. 8.23 |
| | | | JAPAN ST 2012, Cl. 5.12 |
| | | | AS/NZS 8124-1:2016, Cl. 5.12 |
| | | | ISO 8124 -1: 2014, Cl.5.12 |
| | | Brake Performance | EN71-1 :2014, Cl. 8.26 (Excluded 8.26.1.2 & 8.26.1.3) |
| | | | AS/NZS 8124-1:2016, Cl. 5.16 (Excluded 5.16.1) |
| | | | ISO 8124-1:2014, Cl. 5.16 16 (Excluded 5.16.1) |

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|-----------------|------|------------------------------------|--|
| Mechanical Test | Toys | Toy Chest Lid | EN71-1 :2014, Cl. 8.31 |
| | | | JAPAN ST 2012, Cl. 5.13 |
| | | | AS/NZS 8124-1:2016, Cl. 5.13 |
| | | | ISO 8124-1:2014, Cl. 5.13 |
| | | | ASTM F963 – 17, Cl. 8.27 |
| | | Small balls and suction cups test | EN71-1 :2014, Cl. 8.32 |
| | | | ASTM F963 – 17, Cl. 5.11 |
| | | | JAPAN ST 2012, Cl. 5.4 |
| | | | AS/NZS 8124-1:2016, Cl. 5.4 |
| | | | ISO 8124-1:2014, Cl. 5.4 |
| | | Magnetic Flux Index | EN71-1 :2014, Cl. 8.35 |
| | | | JAPAN ST 2012, Cl. 5.25 |
| | | | AS/NZS 8124-1:2016, Cl. 5.32 |
| | | | ISO 8124-1:2014, Cl. 5.32 |
| | | | ASTM F963 – 17, Cl. 8.25 |
| | | Perimeter of Cords and Chains | EN 71-1 :2014, Cl. 8.36 |
| | | | JAPAN ST 2012, Cl. 5.11.4 |
| | | Breakaway feature separation test | EN 71-1 :2014, Cl. 8.38 |
| | | | JAPAN ST 2012, Cl. 5.11.3 |
| | | Test for loops and cords | ASTM F963 – 17, Cl. 8.23 |
| | | Test for cords and elastics | AS/NZS 8124-1:2016, Cl. 5.11 |
| | | | ISO 8124-1-2014, Cl. 5.11 |
| | | Length of Cords and Chains | EN71-1:2014, Cl. 8.40 |
| | | | JAPAN ST 2012, Cl. 5.11 .2 |
| | | Emission Sound Pressure Level Test | EN 71-1:2014, Cl. 8.28 16 (Excluded 8.28.2.4 & 8.28.2.11) |

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|-----------------|------|--------------------------------|--|
| Mechanical Test | Toys | | JAPAN ST 2012, Cl. 5.23 |
| | | | AS/NZS 8124-1:2016, Cl. 5.25 |
| | | | ISO 8124-1 :2014, Cl. 5.25 |
| | | | ASTM F963 – 17, Cl. 8.20 |
| | | Flammability Test | EN 71-2:2011+A1:2014 |
| | | | Excluding Tests for flammable gases, extremely flammable liquids, highly flammable liquids and flammable gels) |
| | | | ASTM F963 – 17 Annex-A5 |
| | | | ISO 8124-2:2014 |
| | | | AS/NZS 8124-2:2016 |
| | | | 16 CFR 1500.44: 2011 |
| | | Compression Test | EN 71-1:2014, Cl. 8.8 |
| | | | ASTM F963 – 17, Cl. 8.9 |
| | | | 16 CFR 1500 51, 52, 53: 2017 |
| | | | JAPAN ST 2012, Cl. 5.22.7 |
| | | | AS/NZS 8124-1:2016, Cl. 5.24.7 |
| | | Folding and Sliding Mechanism. | ISO 8124-1:2014, Cl. 5.24.7 |
| | | | EN 71-1 2014, Cl. 8.18 |
| | | | ISO 8124-1:2014, Cl. 5.22 |
| | | | ASTM F963 – 17, Cl. 8.26 |
| | | | JAPAN ST 2012, Cl. 5.20 |
| | | | AS/NZS 8124-1:2016, Cl. 5.22 |

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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