

## 10.6 Scope of Accreditation

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



### 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”

<b>Geo-Chem Middle East CPS - Laboratory</b>	
<b>Issue No: 3</b>	<b>Issue Date: 03.12.2018</b>
Address: <b>Geo-Chem Middle East (CPS)</b> 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: <a href="mailto:arasu.ma@geochemglobal.com">arasu.ma@geochemglobal.com</a> Web Address: <a href="http://www.geochem.ae">www.geochem.ae</a>

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

<b>Geo-Chem Middle East (CPS)</b> Plot No. 18-0, Affection Plan # 597-22, EBC Warehouse # 6, Dubai Investment Park II, P.O. Box 5778. Dubai. United Arab Emirates.
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**For the following scope:**

Version: 3.3

Date: 15<sup>th</sup> March 2018

Approved by: Atta Subhan

## 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

### 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:

## 10.6 Scope of Accreditation

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

### 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

## 10.6 Scope of Accreditation

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

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

## 10.6 Scope of Accreditation

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

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

## 10.6 Scope of Accreditation

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

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

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

Chemical Test	Textile Fabric and Garment	Textiles -- Tests for colour fastness -- Part C05: Colour fastness to washing: Test 5	<b>ISO 105 C05: 1989</b>
Chemical Test	Textile Fabric and Garment	Colorfastness to Crocking: Crockmeter Method	<b>AATCC 8: 2016</b>
Chemical Test	Textile Fabric and Garment	Textiles -- Tests for colour fastness -- Part X12: Colour fastness to rubbing	<b>ISO 105 X12: 2016</b>
Chemical Test	Textile Fabric and Garment	Colorfastness to Perspiration	<b>AATCC 15: 2013</b>
Chemical Test	Textile Fabric and Garment	Textiles -- Tests for colour fastness -- Part E04: Colour fastness to perspiration	<b>ISO 105 E04: 2013</b>
Chemical Test	Textile Fabric and Garment	Colorfastness to Water	<b>AATCC 107: 2013</b>
Chemical Test	Textile Fabric and Garment	Textiles — Tests for colour fastness — Part E01: Colour fastness to water	<b>ISO 105 E01: 2013</b>
Chemical Test	Textile Fabric and Garment	Textiles - Tests for colour fastness – Part NO1: Colour fastness to bleaching: Hypochlorite	<b>ISO 105 N01: 1993</b>
Chemical Test	Textile Fabric and Garment	Colorfastness to Laundering: Accelerated	<b>AATCC 61-5A: 2013</b>
Chemical Test	Textile Fabric and Garment	Textiles -- Tests for colour fastness -- Part N02: Colour fastness to bleaching: Peroxide	<b>BS EN ISO 105 N02: 1993</b>
Chemical Test	Textile Fabric and Garment	Colorfastness to Bleaching with Hydrogen Peroxide	<b>AATCC 101: 2013</b>
Chemical Test	Textile Fabric and Garment	Colorfastness to Water: Chlorinated Pool	<b>AATCC 162: 2011</b>
Chemical Test	Textile Fabric and Garment	Textiles — Tests for colour fastness -- Part E03: Colour fastness to chlorinated water (swimming-bath water)	<b>ISO 105 E03: 2010</b>
Chemical Test	Textile Fabric and Garment	Colorfastness to Water: Sea	<b>AATCC 106: 2013</b>

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

## 10.6 Scope of Accreditation

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



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

## 10.6 Scope of Accreditation

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

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

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

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

## 10.6 Scope of Accreditation

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

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

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

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

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	<b>SASO 383: 1996, Cl. 7 &amp; Cl. 13</b>
Mechanical test	Textile Fabric and Garment	Textiles -- Tear properties of fabrics -- Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)	<b>ISO 13937-1: 2000</b>
Mechanical test	Textile Fabric and Garment	Textiles -- Tear properties of fabrics -- Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)	<b>SASO ISO 13937-1: 2006</b>
Mechanical test	Textile Fabric and Garment	Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus	<b>ASTM D 1424: 2013</b>
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)	<b>SASO ISO 13937-2: 2006</b>
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	<b>ISO 7211-1: 1984</b>
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	<b>SASO ISO 7211-1: 2006</b>
Physical test	Textile fabric and garment	Textiles- fabrics -determination of mass per unit area using small samples	<b>BS EN 12127: 1998</b>
Physical test	Textile Fabric and Garment	textiles - woven fabrics - determination of mass per unit length and mass per unit area	<b>SASO ISO 3801: 2001, Method 5</b>
Physical test	Textile Fabric and Garment	Methods of testing acrylic blankets Clause 7: Determination of Mass per Unit Area	<b>SASO 999: 1997, Excluded Clause 20</b>
Physical test	Textile fabric and garment	Textiles — Fabrics — Determination of width and length	<b>SASO ISO 22198: 2015</b>

## 10.6 Scope of Accreditation

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



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

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

## 10.6 Scope of Accreditation

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

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

## 10.6 Scope of Accreditation

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

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



## 10.6 Scope of Accreditation

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

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

### 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 <b>SASO ISO 2589: 2007</b>
		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	<b>SASO ISO 20344: 2014, Cl. 7.1</b>
		Determination of insole thickness	<b>SASO ISO 20345: 2014, Cl. 5.7.1</b>

## 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

		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 3377-1: 2014			
Footwear - Test methods for uppers, linings and insoles - Tear strength	ISO 17696: 2004		
	SASO ISO 17696: 2006		

## 10.6 Scope of Accreditation

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

		Rubber- or plastics-coated fabrics — Determination of tear resistance — Part 1: Constant rate of tear methods	<a href="#">SASO ISO 4674-1: 2007 Method B</a> 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	<a href="#">SASO ISO 3377-2: 2007</a>
		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
			<a href="#">SASO ISO 20344: 2014, Cl. 6.3</a>
			<a href="#">SASO ISO 20345: 2014, Cl. 5.4.3</a>
Mechanical Test	Leather & Leather Products Containing other Accessories	Footwear - Test methods for uppers, lining and insoles - Seam strength	ISO 17697: 2016 Method B <a href="#">SASO ISO 17697: 2006 Method B</a>
		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 <a href="#">SASO ISO 11644: 2014</a>
Mechanical Test		Determination of water penetration and water absorption for	ISO 20344: 2011, Cl. 6.13

## 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

	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
			<a href="#">SASO ISO 20344: 2014, Cl. 6.13</a>
			<a href="#">SASO ISO 20345: 2014, Cl. 6.3</a>
			<a href="#">SASO ISO 20346: 2007, Cl. 6.3.1</a>
			<a href="#">SASO ISO 20347: 2014, Cl. 6.3</a>
Mechanical Test	Leather & Leather Products Containing Other Accessories	Footwear -- Test methods for uppers and lining -- Flex resistance	<a href="#">SASO ISO 17694: 2006</a>
		Leather -- Determination of flex resistance -- Part 1: Flexometer method	<a href="#">SASO ISO 5402-1: 2014</a>
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 insocks. 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
			<a href="#">SASO ISO 20344: 2014, Cl. 6.12</a>
Mechanical Test	Leather & Leather Products Containing other Accessories	Determination of abrasion resistance of lining and insock	<a href="#">SASO ISO 20345: 2014, Cl. 5.7.4.2</a>
			<a href="#">SASO ISO 20346: 2007, Cl. 5.7.4.2</a>
			<a href="#">SASO ISO 20347: 2014, Cl. 5.7.4.2</a>

## 10.6 Scope of Accreditation

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



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

		Determination of insulation against cold	ISO 20344: 2011, Cl. 5.13
		Determination of insulation against cold	<a href="#">SASO ISO 20344: 2014, Cl. 5.13</a>
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	<a href="#">SASO ISO 20344: 2014, Cl. 8.7</a>
		Determination of resistance to hot contact	<a href="#">SASO ISO 20345: 2014, Cl. 6.4.4</a>
		Determination of resistance to hot contact	<a href="#">SASO ISO 20346: 2007, Cl. 6.4.4</a>
		Determination of resistance to hot contact	<a href="#">SASO ISO 20347: 2014, Cl. 6.4.1</a>
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	<a href="#">SASO ISO 17707: 2007</a>
		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	<a href="#">SASO ISO 20344: 2014, Cl. 8.4</a>
		Determination of flexing resistance of outsole	<a href="#">SASO ISO 20345: 2014, Cl. 5.8.4</a>
Determination of flexing resistance of outsole	<a href="#">SASO ISO 20346: 2007, Cl. 5.8.4</a>		

## 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

		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

## 10.6 Scope of Accreditation

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

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	<a href="#">ISO 17708: 2018</a>
		Footwear - test methods for whole shoe - upper sole adhesion	<a href="#">SASO ISO 17708: 2007</a>
		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
Mechanical Test	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	<a href="#">SASO ISO 20344: 2014, Cl. 5.2</a>
		Determination of upper/outsole and sole interlayer bond strength	<a href="#">SASO ISO 20345: 2014, Cl. 5.8.6</a>
		Determination of upper/outsole and sole interlayer bond strength	<a href="#">SASO ISO 20346: 2007, Cl. 5.3.1.2</a>
		Determination of upper/outsole and sole interlayer bond strength	<a href="#">SASO ISO 20347: 2014, Cl. 5.8.6</a>
		Personal protective equipment - footwear - test method for slip resistance	ISO 13287:2012

## 10.6 Scope of Accreditation

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

		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



## 10.6 Scope of Accreditation

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



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

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	<a href="#">SASO ISO 20344: 2014, Cl.8.1.2</a>
		Determination of outsole thickness	<a href="#">SASO ISO 20345: 2014, Cl.5.8.1</a>
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	<a href="#">SASO ISO 20344: 2014, Cl.5.8.2</a>
		Determination of penetration force	<a href="#">SASO ISO 20345: 2014, Cl.6.2.1.1</a>
		Determination of penetration force	<a href="#">SASO ISO 20346: 2007, Cl.6.2.1.1</a>
Mechanical Test	Leather and Leather Product Footwears, Sandal Products materials	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)	<a href="#">SASO ISO 20344: 2014, Cl.5.10wet conditions excluded</a>
		Determination of electrical resistance (Conductive Footwear, Antistatic Footwear)	<a href="#">SASO ISO 20345: 2014, Cl.6.2.2</a>

## 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

		Determination of electrical resistance (Conductive Footwear, Antistatic Footwear)	<a href="#">SASO ISO 20346: 2007, Cl.6.2.2</a>
		Determination of electrical resistance (Conductive Footwear, Antistatic Footwear)	<a href="#">SASO ISO 20347: 2014, Cl.6.2.2</a>
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	<a href="#">SASO ISO 20344: 2014, Cl.5.4</a>
		Determination of impact resistance	<a href="#">SASO ISO 20345: 2014, Cl.5.3.2.3</a>
		Determination of impact resistance	<a href="#">SASO ISO 20346: 2007, Cl.5.3.2.3</a>
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
			<a href="#">SASO ISO 20344: 2014, Cl.5.12</a>
			<a href="#">SASO ISO 20345: 2014, Cl.6.2.3.1</a>
			<a href="#">SASO ISO 20346: 2007, Cl.6.2.3.1</a>
			<a href="#">SASO ISO 20347: 2014, Cl.6.2.3.1</a>
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
			<a href="#">SASO ISO 20344: 2014, Cl.5.7</a>
			<a href="#">SASO ISO 20345: 2014, Cl.5.3.3</a>

## 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

			<a href="#">SASO ISO 20346: 2007, Cl.5.3.3</a>
			<a href="#">SASO ISO 20347: 2014, Cl.5.3.2</a>
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	<a href="#">SASO ISO 20344: 2014, Cl.6.14</a>
		Determination of resistance of upper to cutting	<a href="#">SASO ISO 20345: 2014, Cl.6.2.8</a>
		Determination of resistance of upper to cutting	<a href="#">SASO ISO 20346: 2007, Cl.5.3.3</a>
		Determination of resistance of upper to cutting	<a href="#">SASO ISO 20347: 2014, Cl.6.2.7</a>
Mechanical Test	Leather and Leather Product Footwears, Sandal Products materials	Standard test method for Foot Protection	<a href="#">ASTM F2412: 2018, Cl.</a>
		Standard Specification for Performance requirement for protective(Safety) Toe cap footwear	<a href="#">ASTM F2413: 2017, Cl.5.5</a>
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	<a href="#">SASO ISO 22777: 2007</a>
		shear strength before and after repeated closing	ISO 22776: 2004
		shear strength before and after repeated closing	<a href="#">SASO ISO 22776: 2007</a>
		Closure strength of touch and close fasteners	<a href="#">SATRA TM 123: 2018</a>
		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	<a href="#">SATRA TM 181:2017</a>

## 10.6 Scope of Accreditation

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

		Knot slippage test	SATRA TM 195:2004
		Strength of slide fastener puller	<a href="#">SATRA TM 52:2018</a>
		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	<a href="#">SATRA TM 103: 2018</a>
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	<a href="#">SASO ISO 17226-2: 2010</a>
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	<a href="#">ISO 4045: 2018</a>
		leather - chemical tests - determination of pH	<a href="#">SASO ISO 4045: 2014</a>
		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	<a href="#">SASO ISO 11641: 2014</a>
		Footwear -- Test methods for uppers, linings and insocks -- Colour fastness to rubbing	ISO 17700: 2004 Method C
		Footwear -- Test methods for uppers, linings and insocks -- Colour fastness to rubbing	<a href="#">SASO ISO 17700: 2007 Method C</a>
		Colour fastness to perspiration	SATRA TM 335: 2018

## 10.6 Scope of Accreditation

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



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

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

## 10.6 Scope of Accreditation

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

			AS/NZS 8124-1:2017, Cl. 5.9
			ISO 8124 -1: 2014, Cl. 5.9
		Sharp Edge Test	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
		Small Parts	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	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	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
Mechanical Test	Toys		

# 10.6 Scope of Accreditation

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

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			
	Mechanical Test	Toys	Bite Test	ISO 8124 -1: 2014, Cl.5.24.2
				16 CFR 1500 51,52,53:2017
			Flexure Test	JAPAN ST 2012, Cl. 5.3.1
				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				
Tip Over Test			ISO 8124 -1: 2014, Cl.5.24.8	
			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	

## 10.6 Scope of Accreditation

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

		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		
Mechanical Test	Toys	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)



## 10.6 Scope of Accreditation

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

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
		Small balls and suction cups test	ASTM F963 – 17, Cl. 8.27
			EN71-1 :2014, Cl. 8.32
			ASTM F963 – 17, Cl. 5.11
			JAPAN ST 2012, Cl. 5.4
		Magnetic Flux Index	AS/NZS 8124-1:2016, Cl. 5.4
			ISO 8124-1:2014, Cl. 5.4
			EN71-1 :2014, Cl. 8.35
			JAPAN ST 2012, Cl. 5.25
		Perimeter of Cords and Chains	AS/NZS 8124-1:2016, Cl. 5.32
			ISO 8124-1:2014, Cl. 5.32
			ASTM F963 – 17, Cl. 8.25
			EN 71-1 :2014, Cl. 8.36
		Breakaway feature separation test	JAPAN ST 2012, Cl. 5.11.4
			EN 71-1 :2014, Cl. 8.38
		Test for loops and cords	JAPAN ST 2012, Cl. 5.11.3
			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)		

## 10.6 Scope of Accreditation

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

			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
			EN 71-2:2011+A1:2014
		Flammability Test	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
			ISO 8124-1:2014, Cl. 5.24.7
		Folding and Sliding Mechanism.	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
Mechanical Test	Toys		

**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.

## 10.6 Scope of Accreditation

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

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