



# ACCREDITATION CERTIFICATE

**Testing Laboratory**

**No. ATL 0054**

**GEO-CHEM MIDDLE EAST – CPS**

P.O. BOX 5778. PLOT NO. 18-0, AFFECTION PLAN # 597-22, EBC WAREHOUSE # 6, DUBAI INVESTMENT PARK II, DUBAI, UNITED ARAB EMIRATES.

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

*A laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (refer to joint ISO-ILAC-IAF communiqué, April 2017).*

This accreditation demonstrates technical competence for a defined scope, as detailed in and at the locations specified in the scope of accreditation, the accreditation scope to this certificate is an essential accreditation document and from time to time may be revised and reissued by the GCC Accreditation Center. The most recent issue of the scope of accreditation which bears the same accreditation number as this certificate, is available from the GAC website [www.gcc-accreditation.org](http://www.gcc-accreditation.org)

The accreditation is subject to continuing conformity with GAC Accreditation requirements and the status of accreditation can be checked in the GAC's website to confirm the validity of this accreditation.

**Issue Date:**

**28<sup>th</sup> October 2019**

Internal project number: AC 0028-3  
Initial Accreditation Date: 29-10-2017

Director General, GCC Accreditation Center.



## 10.6 Scope of Accreditation

Issue No: 05/ Issue Date: 14<sup>th</sup> March 2022  
File 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 17025:2017, "General requirements for the competence of testing and calibration laboratories"

Geo Chem Middle East CPS - Laboratory	
<b>Address. Geo-Chem Middle East CPS LLC</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 Person: Mr. Manish Kumar Tel: +971 4 8820527 Fax: +971 4 886 7401 Email: manish.k@geochemglobalae.com Web Address: <a href="https://portal.geochemcpslims.com">https://portal.geochemcpslims.com</a>

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

1- Address: 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:**

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Issue No: 05/ Issue Date: 14<sup>th</sup> March 2022

File Manager: Atta Subhan

GAC



ACCREDITED  
**TESTING**  
ISO/IEC 17025:2017  
No. ATL 0054

### Scope:

#### **7. Chemical Testing**

7.46 Textiles and related products

7.38 Leather

Toys

Food Contact Materials

[7.47 Packaging Products](#)

#### **13. Mechanical Testing**

13.26 Textiles and related products

13.30 Leather and leather products

13.50 Toys

[13.46 Packaging Products](#)

Scope details are as follows:

Version: 3.7

Date: 10<sup>th</sup> March 2022

Approved by: Brahim Houla

## 10.6 Scope of Accreditation

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File Manager: Atta Subhan

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Mechanical Test	Textile Fabric and Garment	Textiles — Tensile fabrics — Part 2: Determination of maximum force using the grab method	ISO 13934-2:2014	
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 13934-1: 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 (2019)	
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 13937-2: 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	ISO 13936-2: 2004	

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		resistance of yarns at a seam in woven fabrics -- Part 2: Fixed load method		
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 13936-1: 2004	
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 13935-2: 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 7211-2: 1984	
Mechanical Test	Textile Fabric and Garment	Standard Test Methods for Mass Per Unit Area (Weight) of Fabric	ASTM D3776/D3776M-2020 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 Metho1295d 5	
Mechanical Test	Textile Fabric and Garment	Standard Test Method for Pilling Resistance and	ASTM D 4970/D 4970M: 2016	

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		Other Related Surface Changes of Textile Fabrics		
Mechanical Test	Textile Fabric and Garment	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: RTPT	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 12945-1: 2020	
Mechanical Test	Textile Fabric and Garment	Textiles -- Determination of fabric propensity to surface fuzzing and to pilling -- Part 2: Modified Martindale method	ISO 12945-2: 2020	
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 12947-1: 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 12947-2: 2016	
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	Standard Test Method for Bow and Skew in Woven and Knitted Fabrics	ASTM D3882: 2020	

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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 (2018)	
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 13938-1: 2019 (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	
Mechanical Test	Leather and Leather Product Footwears, Sandal Products materials	Footwear – Ageing conditioning	BS EN 12749: 1999	

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Mechanical Test	Leather and Leather Product Footwears, Sandal Products materials	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: 2006	
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	

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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	
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 NO1: Colour fastness to bleaching: Hypochlorite	ISO 105 N01: 1993	

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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: 2019	
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	
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: 2020	
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 53160-1: 2002	

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Chemical Test	Textile Fabric and Garment	Determination of the colourfastness of articles for common use - Part 2: Test with artificial sweat	DIN 53160-2: 2002	
Chemical Test	Textile Fabric and Garment	Textiles — Quantitative chemical analysis — Part 1: General principles of testing	ISO 1833-1: 2020	
Chemical Test	Textile Fabric and Garment	Fibre Analysis - Qualitative	AATCC 20: 2018	
Chemical Test	Textile Fabric and Garment	Fibre Analysis - Quantitative	AATCC 20 A: 2018	
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 1833-5: 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 1833-7: 2017	
Chemical Test	Textile Fabric and Garment	Textiles — Quantitative chemical analysis — Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid)	ISO 1833-11: 2017	
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 1833-12: 2020	
Chemical Test	Textile Fabric and Garment	pH of the Water-Extract from Wet Proceeded Textiles	AATCC 81: 2016	

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Chemical Test	Textile Fabric and Garment	Textiles -- Determination of pH of aqueous extract	ISO 3071: 2020	
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: 2007	
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 16322-1: 2005	
Chemical Test	Textile Fabric and Garment	Textiles -- Determination of spirality after laundering -- Part 2: Woven and knitted fabrics	ISO 16322-2: 2005	

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Chemical Test	Textile Fabric and Garment	Textiles -- Determination of spirality after laundering -- Part 3: Woven and knitted garments	ISO 16322-3: 2005	
Chemical Test	Textile Fabric and Garment	Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering	AATCC 179: 2019	
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 14184-1: 2011	
Chemical Test	Textile Fabric and Garment	Textiles -- Determination of formaldehyde -- Part 2: Released formaldehyde (vapour absorption method)	ISO 14184-2: 2011	
Chemical Test	Textile Fabric and Garment	Formaldehyde Release from Fabric, Determination of- Sealed Jar Method	AATCC 112: 2020	
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	

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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: 2018	
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	ISO 17700: 2019 Method A	

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		and insocks -- Colour fastness to rubbing		
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 5402-1: 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	
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	ISO 3175-2: 2017	

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		and wet cleaning of fabrics and garments — Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene		
Mechanical Test	Textile Fabric and Garment	Standard Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns	ASTM D 3107-07: 2019	
Mechanical Test	Textile Fabric and Garment	Standard Test Method for Stretch Properties of Knitted Fabrics Having Low Power	ASTM D 2594-04: 2020	
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 & Clause 16. Determination of Bursting Strength and Bursting Distension	SASO 1630: 2002, Cl. 14 & Cl. 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	

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Chemical Test	Textile Fabric and Garment	Methods of Testing Cotton Terry Towels- Determination of Water Absorbency Time  Clause 6. Determination of Terry Ratio Clause 15. Measurement of Length & Clause 16. Measurement of The Width	SASO 1626: 2002; Cl 19	
Chemical Test	Textile Fabric and Garment	Methods of Testing Cotton Terry Towels- Determination of Terry ratio	SASO 1626: 2002; Cl 6	
Chemical Test	Textile Fabric and Garment	Methods of Testing Cotton Terry Towels- Measurement of Length	SASO 1626: 2002; Cl. 15	
Chemical Test	Textile Fabric and Garment	Methods of Testing Cotton Terry Towels- Measurement of Width	SASO 1626: 2002 Cl. 16	
Chemical Test	Textile Fabric and Garment	Textiles -- Determination of dimensional change in washing and drying	SASO ISO 5077: 2014	
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	

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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: 2019	
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 for drafting, denting and lifting	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 for drafting, denting and lifting	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 Cl. 20	

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Physical test	Textile fabric and garment	Textiles — Fabrics — Determination of width and length	SASO ISO 22198: 2015	
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: 2020	
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 using hypochlorite)	SASO ISO 1833-4: 2018	

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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: 2018	
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 dimethylformamide)	SASO ISO 1833-12: 2007	
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	Textile Fabric and Garment	Acrylic blankets, Clause 8: Marking	SASO 1000: 2004, Cl. 8	

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Inspection)				
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	
Physical Test (Visual Inspection)	Textile Fabric and Garment	Bed sheets and pillowslips (50 / 50 cotton / polyester) for general use, Clause 6. Marking	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	

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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	
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: 2020	
Mechanical test	Textile Fabric and Garment	Men's socks – Cotton and nylon socks Clause 4: Requirements, Clause -: Marking	SASO 2636: 2006, Cl. 4 & Cl. 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: 2019; Cl. 7.1.1	

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		Clause 7.1.1: Breaking Strength		
Chemical test	Textile Fabric and Garment	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing	SASO ISO 105 X12: 2020	
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 method	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: 2018	
Mechanical test	Textile Fabric and Garment	Woven fabrics - Measurement of length of pieces	SASO 1620: 1999	
Mechanical Test	Textile Fabric and Garment	Crease Retention in Fabrics after Home Laundering	AATCC 88C: 2018	
Mechanical Test	Textile Fabric and Garment	Textiles -- Professional care, dry-cleaning and wet cleaning of fabrics and garments -- Part 1: Assessment of performance after cleaning and finishing	ISO 3175-1: 2017	
Mechanical Test	Textile Fabric and Garment	Textiles -- Test method for assessing the smoothness appearance of seams in fabrics after cleansing	ISO 7770: 2009	
Mechanical Test	Textile Fabric and Garment	Textiles -- Test method for assessing the smoothness appearance of fabrics after cleansing	ISO 7768: 2009	

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Mechanical Test	Textile Fabric and Garment	Textiles -- Test method for assessing the appearance of creases in fabrics after cleansing	ISO 7769: 2009	
Mechanical Test	Textile Fabric and Garment	Determination of elasticity of fabrics- Part 1: Strip tests	EN 14704-1: 2005	
Mechanical Test	Textile Fabric and Garment	Standard test method for Tension and Elongation of Elastic fabrics	ASTM D 4964: 2016	
Mechanical Test	Textile Fabric and Garment	Standard for the Flammability of children's sleep wear: SIZES 0 THROUGH 6X (FF 3-71)	16 CFR 1615	
Mechanical Test	Textile Fabric and Garment	Standard For the Flammability Of Children's Sleepwear: Sizes 7 Through 14 (Ff 5-74)	16 CFR 1616	
Chemical Test	Textile Fabric and Garment	Textiles - Tests for colour fastness -- Part C06: Colour fastness to domestic and commercial laundering	SASO ISO 105 C06: 2014	
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	SASO ISO 105 C08: 2014	
Chemical Test	Textile Fabric and Garment	Textiles — Tests for colour fastness — Part E01: Colour fastness to water	SASO ISO 105 E01: 2015	
Chemical Test	Textile Fabric and Garment	Textiles - Tests for colour fastness – Part N01: Colour fastness to bleaching: Hypochlorite	SASO ISO 105 N01: 2006	
Chemical Test	Textile Fabric and Garment	Textiles — Tests for colour fastness -- Part E03: Colour fastness to chlorinated water (swimming-	SASO ISO 105 E03: 2014	

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		bath water)		
Chemical Test	Textile Fabric and Garment	Textiles -- Tests for colour fastness -- Part N02: Colour fastness to bleaching: Peroxide	SASO ISO 105 N02: 2006	
Chemical Test	Textile Fabric and Garment	Textiles — Tests for colour fastness — Part E02: Colour fastness to Sea Water	SASO ISO 105 E02: 2013	
Chemical Test	Textile Fabric and Garment	Textiles -- Tests for colour fastness -- Part E07: Colour fastness to spotting: Water	SASO ISO 105 E07: 2014	
Chemical Test	Textile Fabric and Garment	Textiles - for colour fastness - Colour Fastness to Washing	GSO 1267	
Chemical Test	Textile Fabric and Garment	Textiles -- Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change	SASO-ISO-3759: 2016	
Chemical Test	Textile Fabric and Garment	Textiles-domestic washing and drying procedures for textile testing	SASO-2400-ISO-6330: 2005	
Chemical Test	Textile Fabric and Garment	Textiles - Professional care, dry cleaning and wet cleaning of fabrics and garments – Part 1: Assessment of performance after cleaning and finishing	SASO-ISO-3175-1: 2018	
Chemical Test	Textile Fabric and Garment	Textiles - Professional care, dry cleaning and wet cleaning of fabrics and garments – Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene	SASO-ISO-3175-2: 2018	
Chemical Test	Textile Fabric and Garment	Textiles - Determination of spirality after laundering – Part 1: Percentage of wale spirality	SASO-ISO-16322-1: 2007	

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		change in knitted garments		
Chemical Test	Textile Fabric and Garment	Textiles - Determination of spirality after laundering – Part 2: Woven and knitted fabrics	SASO-ISO-16322-2: 2007	
Chemical Test	Textile Fabric and Garment	Textiles - Determination of spirality after laundering – Part 3: Woven and knitted garments	SASO-ISO-16322-3: 2007	
Chemical Test	Textile Fabric and Garment	Textiles - Test method for assessing the smoothness appearance of seams in fabrics after cleansing	SASO-ISO-7770: 2014	
Chemical Test	Textile Fabric and Garment	Textiles - Test method for assessing the smoothness appearance of fabrics after cleansing	SASO-ISO-7768: 2014	
Chemical Test	Textile Fabric and Garment	Textiles - Test method for assessing the appearance of creases in fabrics after cleansing	SASO-ISO-7769: 2014	
Chemical Test	Textile Fabric and Garment	Method for assessing appearance of apparel and other textile end products after domestic washing and drying	ISO 15487: 2018	
Chemical Test	Textile Fabric and Garment	Textiles — Method for assessing appearance of apparel and other textile end products after domestic washing and drying	SASO-ISO-15487: 2020	
Chemical Test	Textile Fabric and Garment	Determination of dimensional changes of fabrics induced by cold-water immersion	ISO 7771: 1985	
Chemical Test	Textile Fabric and Garment	Textiles - Determination of dimensional changes of fabrics induced by cold-water immersion	SASO-ISO-7771: 2003	
Mechanical Test	Tissue Paper	Facial tissue paper-Determination of Dimensions	GSO 575:2016, Clause 6.2.2.1	

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Mechanical Test	Tissue Paper	Facial tissue paper-Determination of Grammage	GSO 575:2016, Clause 6.2.2.2	
Mechanical Test	Tissue Paper	Facial tissue paper-Determination of Tensile strength	GSO 575:2016, Clause 6.2.2.3	
Mechanical Test	Tissue Paper	Facial tissue paper-Determination of pH value	GSO 575:2016, Clause 6.2.2.4	
Mechanical Test	Tissue Paper	Facial tissue paper-Determination of Water Absorption	GSO 575:2016, Clause 6.2.2.5	
Mechanical Test	Tissue Paper	Methods of testing facial tissue-Paper-Measurement of Dimensions	GSO 143: 1991, Clause 4	
Mechanical Test	Tissue Paper	Methods of testing facial tissue-Paper-Determination of Grammage	GSO 143: 1991, Clause 5	
Mechanical Test	Tissue Paper	Methods of testing facial tissue-Paper-Determination of Tensile strength	GSO 143: 1991, Clause 7	
Mechanical Test	Tissue Paper	Methods of testing facial tissue-Paper-Determination of pH value	GSO 143: 1991, Clause 8	
Mechanical Test	Tissue Paper	Methods of testing facial tissue-Paper-Determination of Water Absorption	GSO 143: 1991, Clause 9	
Mechanical Test	Wet Tissues	Wet wipes-Determination of Thickness	GSO 2017: 2010, Clause 4	
Mechanical Test	Wet Tissues	Wet wipes-Determination of Grammage	GSO 2017: 2010, Clause 6.3	
Mechanical Test	Wet Tissues	Wet wipes-Determination of Tensile Strength	GSO 2017: 2010, Clause 6.4	
Mechanical Test	Wet Tissues	Wet wipes-Determination of pH value	GSO 2017: 2010, Clause 6.5	

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Mechanical Test	Paper and Board	Paper and Board - Sampling to determine Average Quality	GSO ISO 186:2011	
Mechanical Test	Paper and Board	Paper, board and pulps– standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples	GSO ISO 187:2002	
Mechanical Test	Tissue Paper	Tissue paper and tissue products - Part 6: Determination of grammage	ISO 12625-6:2016	
Mechanical Test	Tissue Paper	Tissue paper and tissue products - Part 6: Determination of grammage	SASO ISO 12625-6:2008	
Mechanical Test	Textile Fabric and Garment	Machine -Made textile floor coverings: Determination of Thickness	GSO 540 :1994	
Mechanical Test	Textile Fabric and Garment	Textiles — Tensile fabrics — Part 2: Determination of maximum force using the grab method	SASO ISO 13934-2:2014	
Mechanical Test	Textile Fabric and Garment	Textiles -- Determination of the slippage resistance of yarns at a seam in woven fabrics -- Part 1: Fixed seam	SASO ISO 13936-1:2004	
Mechanical Test	Textile Fabric and Garment	Textiles -- Determination of the slippage resistance of yarns at a seam in woven fabrics -- Part 1: Fixed load	SASO ISO 13936-2:2004	
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	SASO ISO 13935-2:2014	

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Mechanical Test	Textile Fabric and Garment	Textiles - Woven fabrics - Construction -Methods of analysis - Part 2: Determination of number of threads per unit length	SASO ISO 7211-2:1984	
Mechanical Test	Textile Fabric and Garment	Textiles -- Determination of fabric propensity to surface fuzzing and to pilling -- Part 1: Pilling box method	SASO ISO 12945-1:2000	
Mechanical Test	Textile Fabric and Garment	Textiles -- Determination of fabric propensity to surface fuzzing and to pilling -- Part 2: Modified Martindale method	SASO ISO 12945-2:2000	
Mechanical Test	Textile Fabric and Garment	Textiles -- Determination of the abrasion resistance of fabrics by the Martindale method -- Part 1: Martindale	SASO ISO 12947-1:1998	
Mechanical Test	Textile Fabric and Garment	Textiles -- Determination of the abrasion resistance of fabrics by the Martindale method -- Part 2 Determination of specimen breakdown	SASO ISO 12947-2:1998	
Chemical Test	Textile Fabric and Garment	Test Methods for Resin Finished Textiles	JIS L 1041: 2011	
Chemical Test	Textile Fabric and Garment	Textiles — Quantitative chemical analysis — part 4: mixtures of certain protein fibres with certain other fibres (method using hypochlorite)	ISO 1833-4:2017	
Chemical Test	Textile Fabric and Garment	Determination of Formaldehyde (Release Formaldehyde Vapour absorption method)	SASO ISO 14184-2:2011	
Chemical Test	Textile Fabric and Garment	Standard Operating Procedure for Determination of Phthalates	CPSC-CHC1001-09.4:2018	

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Chemical Test	Textile Fabric and Garment	Textile-Determination of the phthalate content — Tetrahydrofuran method	EN ISO 14389:2014	
Chemical Test	Textile Fabric and Garment	Standard operating procedure of phthalates plasticizers content in plastics and textile materials by GC-MS	GC-DXB-IHTM-005 Rev-01: 27-05-2021	
Chemical Test	Textile Fabric and Garment	Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres	ISO 14362-1: 2017	
Chemical Test	Textile Fabric and Garment	Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres	SASO ISO 14362-1: 2017	
Chemical Test	Textile Fabric and Garment	Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	ISO 14362-3: 2017	
Chemical Test	Textile Fabric and Garment	Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	SASO ISO 14362-3: 2017	

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Chemical Test	Textile Fabric and Garment	Textile- Determination of the Banned Azo Colorants	GB/T 17592: 2011	
Chemical Test	Textile Fabric and Garment, Leather and Leather Products, Footwears	Dimethyl Fumarate In Footwear Materials & Textile Products	GC-DXB-IHTM-003 Rev-01: 27-05-2021 (inhouse method)	
Chemical Test	Textile Fabric and Garment, Leather and Leather Products, Footwears	Testing and assessment of Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2014:01 PAK	

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### Leather/ Leather products/ Footwear Scope

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Mechanical Test	Leather & Leather Products Containing Other Accessories	Leather — Physical and mechanical tests — Determination of thickness	ISO 2589: 2016	
			SASO ISO 2589: 2018	
		Test Method for Measuring Thickness of Leather Test Specimens	ASTM D1813: 13 (2017)	
		Thickness of leather and insole materials	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	
		Determination of insole thickness	SASO ISO 20346: 2020, Cl. 5.7.1	
		Determination of insole thickness	SASO ISO 20347: 2014, Cl. 5.7.1	

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File Manager: Atta Subhan

Mechanical Test	Leather & Leather Products Containing Other Accessories	Leather — Physical and mechanical tests — Determination of tensile strength and percentage extension	ISO 3376: 2020	
		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: 2019	
		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: 2020, Cl. 5.4.4	
			SASO ISO 20347: 2014, Cl. 5.4.4	

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Mechanical Test	Leather & Leather Products Containing other Accessories	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 insocks – Tear strength	ISO 17696: 2004	
			SASO ISO 17696: 2006	
		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	
		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: 2018	
		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	

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			SASO ISO 20344: 2014, Cl. 6.3	
			SASO ISO 20345: 2014, Cl. 5.4.3	
			SASO ISO 20346: 2020, 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 insocks – Steam strength	ISO 17697: 2016 Method B	
			SASO ISO 17697: 2018 Method B	
		Measurement of the strength of stitched seams in upper and lining materials	Ref. SATRA TM 180: 2016	
	Finished Leather and Coated Leather material	Leather - Test for adhesion of finish	ISO 11644: 2009	
			SASO ISO 11644: 2014	
	Leather & Leather Products Containing Other Accessories	Determination of water penetration and water absorption for upper	ISO 20344: 2011, Cl. 6.13	
			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: 2020, Cl. 6.3.1	

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			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: 2018	
		Leather -- Determination of flex resistance -- Part 1: Flexometer method	SASO ISO 5402-1: 2018	
		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: 2020 Cold condition test excluded	
		Footwear. Test methods for uppers, lining and insocks. Abrasion resistance	BS EN 13520: 2002	
		Determination of abrasion resistance of lining and insock	ISO 20344: 2011, Cl. 6.12	
			ISO 20345: 2011, Cl. 5.7.4.2	
			ISO 20346: 2014, Cl. 5.7.4.2	
		Determination of abrasion resistance of lining and insock	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: 2020, Cl. 5.7.4.2	
			SASO ISO 20347: 2014, Cl. 5.7.4.2	

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Mechanical Test	Leather & Leather Products Containing other Accessories, Soling material	Determination of insulation against cold	ISO 20344: 2011, Cl. 5.13	
		Determination of insulation against cold	SASO ISO 20344: 2014, Cl. 5.13	
		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: 2020, Cl. 6.4.4	
		Determination of resistance to hot contact	SASO ISO 20347: 2014, Cl. 6.4.1	
	Soling Materials, Rubber Materials, PU Sole Materials, Leather Sole,	Footwear — Test methods for outsoles — Flex resistance	ISO 17707: 2005	
		Footwear — Test methods for outsoles — Flex resistance	SASO ISO 17707: 2007	

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	Footwears	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: 2020, Cl. 5.8.4	
		Determination of flexing resistance of outsole	SASO ISO 20347: 2014, Cl. 5.8.4	
	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: 2018	
		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	

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		Test Method for Rubber Property—Abrasion Resistance (Rotary Drum Abrader)	ASTM D5963: 04 (2019)	
		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: 2020, Cl. 5.8.3	
		Determination of outsole abrasion resistance	SASO ISO 20347: 2014, Cl. 5.8.3	
	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	

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	Leather and Leather Product Footwears, Sandal Products materials	Density of complete sole units	Ref. SATRA TM 138: 2001	
		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: 2020	
		Footwear - test methods for whole shoe - upper sole adhesion	ISO 17708: 2018	
		Footwear - test methods for whole shoe - upper sole adhesion	SASO ISO 17708: 2018	
		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	
		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: 2020, Cl. 5.3.1.2	

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		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	
		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	
		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	
		Footwear -- Ageing conditioning	SASO ISO 20870: 2018	
		Resistance of Footwear Flexing	Ref. SATRA TM 92: 2016	
		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	

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		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	
		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	
		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	
		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	

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		Determination of penetration force	SASO ISO 20346: 2020, Cl. 6.2.1.1	
		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.5.10 wet conditions excluded	
		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.5.10 wet conditions excluded	
		Determination of electrical resistance (Conductive Footwear, Antistatic Footwear)	SASO ISO 20345: 2014, Cl.6.2.2	
		Determination of electrical resistance (Conductive Footwear, Antistatic Footwear)	SASO ISO 20346: 2020, Cl.6.2.2	
		Determination of electrical resistance (Conductive Footwear, Antistatic Footwear)	SASO ISO 20347: 2014, Cl.6.2.2	
		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	

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		Determination of impact resistance	SASO ISO 20345: 2014, Cl.5.3.2.3	
		Determination of impact resistance	SASO ISO 20346: 2020, Cl.5.3.2.3	
		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: 2020, Cl.6.2.3.1	
			SASO ISO 20347: 2014, Cl.6.2.3.1	
		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: 2020, Cl.5.3.3	
			SASO ISO 20347: 2014, Cl.5.3.2	
	Protective gloves	Protective gloves against mechanical risks, Blade Cut resistance	BS EN 388: 2018, Cl. 6.2	
	Leather and Leather Product Footwears, Sandal Products materials	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: 2020, Cl.5.3.3	
		Determination of resistance of upper to cutting	SASO ISO 20347: 2014, Cl.6.2.7	
		Standard test method for Foot Protection	ASTM F2412: 2018, Cl.	
		Standard Specification for Performance requirement for protective (Safety) Toe cap footwear Clause: 5.6. Electric hazard resistance	ASTM F2413: 2018, Cl.5.6	
	Footwears, Footwears Materials, Belt Materials, Zipper	Peel strength before and after repeated closing	ISO 22777: 2004	

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	Materials, Velcro material			
		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	
		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 -chemical determination of formaldehyde content – method using colorimetric analysis	ISO 17226-2: 2018	

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	Leather Products, Synthetic Materials, Industrial Products	leather -chemical determination of formaldehyde content – method using colorimetric analysis	SASO ISO 17226-2: 2010	
		Standard Test Method for pH of Leather	ASTM D2810: 2018	
		leather - chemical tests - determination of pH	ISO 4045: 2018	
		leather - chemical tests - determination of pH	SASO ISO 4045: 2018	
		Volatile Matter (Moisture) of Leather	ASTM D3790: 2017	
	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 insocks -- Colour fastness to rubbing	ISO 17700: 2019 Method D	
		Footwear -- Test methods for uppers, linings and insocks -- Colour fastness to rubbing	SASO ISO 17700: 2007 Method C	
		Colour fastness to perspiration	SATRA TM 335: 2018	
		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	

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		Colour fastness to Water	SATRA TM 335: 2018	
		Colour fastness to light from a xenon arc	SATRA TM 160: 1992	
		Leather -- Tests for colour fastness -- Colour fastness to water spotting	SASO ISO 15700: 2007	
		Leather -- Tests for colour fastness -- Colour fastness to cycles of to-and-fro rubbing	SASO ISO 11640: 2018	
		Footwear -- Test methods for uppers, linings and in socks -- Color fastness to rubbing	SASO ISO 17700: 2007 Method A	
		Leather -- Tests for colour fastness -- Colour fastness to crocking	SASO ISO 20433: 2014	
	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: 2020	
			SASO ISO TR 20880-5: 2014	
Mechanical Test	Leather and Leather	Construction	ISO 20345:2011 clause 5.3.1.1	

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	Product Footwears, Sandal Products materials		ISO 20346:2004 clause 5.3.1.1	
			ISO 20347:2012 clause 5.3.1.1	
			SASO ISO 20345:2014 clause 5.3.1.1	
			SASO ISO 20346:2020 clause 5.3.1.1	
			SASO ISO 20347:2014 clause 5.3.1.1	
		Seat region	ISO 20345:2011 clause 5.2.3	
			ISO 20346:2004 clause 5.2.3	
			ISO 20347:2012 clause 5.2.3	
			SASO ISO 20345:2014 clause 5.2.3	
			SASO ISO 20346:2020 clause 5.2.3	
			SASO ISO 20347:2014 clause 5.2.3	
		General	ISO 20345:2014 clause 5.3.2.1	
			ISO 20346:2004 clause 5.3.2.1	
			ISO 20347:2012 clause 5.3.2.1	
			SASO ISO 20345:2014 clause 5.3.2.1	
			SASO ISO 20346:2020 clause 5.3.2.1	

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	Leather & Leather Products Containing Other Accessories	Internal length of toecap	SASO ISO 20347:2014 clause 5.3.2.1	
			ISO 20344:2011 clause 5.3	
			SASO ISO 20344:2014 clause 5.3	
			ISO 20345:2011 clause 5.3.2.2	
			ISO 20346:2004 clause 5.3.2.2	
			ISO 20347:2012 clause 5.3.2.2	
			SASO ISO 20345:2014 clause 5.3.2.2	
			SASO ISO 20346:2020 clause 5.3.2.2	
			SASO ISO 20347:2014 clause 5.3.2.2	
	Leather and Leather Product Footwears, Sandal Products materials	Compression resistance of safety footwear	ISO 20344:2011 clause 5.5	
			SASO ISO 20344:2014 clause 5.5	
			ISO 20345:2011 clause 5.3.2.4	
			ISO 20346:2004 clause 5.3.2.4	
			ISO 20347:2012 clause 5.3.2.4	
			SASO ISO 20345:2014 clause 5.3.2.4	
			SASO ISO 20346:2020 clause 5.3.2.4	

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	Leather & Leather Products Containing Other Accessories	Behavior of toe cap-metallic	SASO ISO 20345:2014 clause 5.3.2.4	
			ISO 20344:2011 clause 5.6	
			SASO ISO 20344:2014 clause 5.6	
			ISO 20345:2011 clause 5.3.2.5.1	
			ISO 20346:2004 clause 5.3.2.5.1	
			ISO 20347:2012 clause 5.3.2.5.1	
			SASO ISO 20345:2014 clause 5.3.2.5.1	
			SASO ISO 20346:2020 clause 5.3.2.5.1	
			SASO ISO 20347:2014 clause 5.3.2.5.1	
	Foot and Leg protectors	Determination of corrosion resistance Clause 5.3. Test method for metal toe cap, Clause 7.3. Test method for metal penetration resistant inserts	EN 12568:2010 Clause 5.3, Clause 7.3	
	Leather and Leather Product Footwears, Sandal Products materials	Specific ergonomic feature	ISO 20344: 2011 clause 5.1	
			SASO ISO 20344: 2014 clause 5.1	
			ISO 20345:2011 clause 5.3.4	
			ISO 20346:2004 clause 5.3.4	

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			ISO 20347:2012 clause 5.3.4	
			SASO ISO 20345:2014 clause 5.3.4	
			SASO ISO 20346:2020 clause 5.3.4	
			SASO ISO 20347:2014 clause 5.3.4	
	Leather and Leather Product Footwears, Sandal Products materials	Energy absorption of seat region	ISO 20344:2011, 5.14	
			SASO ISO 20344:2014, 5.14	
			ISO 20345:2011 clause 6.2.4	
			ISO 20346:2004 clause 6.2.4	
			ISO 20347:2012 clause 6.2.4	
			SASO ISO 20345:2014 clause 6.2.4	
			SASO ISO 20346:2020 clause 6.2.4	
			SASO ISO 20347:2014 clause 6.2.4	
	Leather & Leather Products Containing other Accessories	Water absorption & desorption	ISO 20344:2011 clause 7.2	
			SASO ISO 20344:2014 clause 7.2	
			ISO 20345:2011 clause 5.7.3	
			ISO 20346:2004 clause 5.7.3	

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			ISO 20347:2012 clause 5.7.3	
			SASO ISO 20345:2014 clause 5.7.3	
			SASO ISO 20346:2020 clause 5.7.3	
			SASO ISO 20347:2014 clause 5.7.3	
	Leather & Leather Products Containing other accessories	Leather -- Physical test methods -- Determination of water resistance of heavy leathers	SASO ISO 5404:2014	
			ISO 5404:2011	
	Leather & Leather Products Containing other accessories	Tear strength of outsole	ISO 20344:2011 clause 8.2	
			SASO ISO 20344:2011 clause 8.2	
			ISO 20345:2011 clause 5.8.2	
			ISO 20346:2004 clause 5.8.2	
			ISO 20347:2012 clause 5.8.2	
			SASO ISO 20345:2014 clause 5.8.2	
			SASO ISO 20346:2020 clause 5.8.2	
			SASO ISO 20347:2014 clause 5.8.2	
	Leather & Leather Products Containing other	Resistance of fuel oil	ISO 20344:2011 clause 8.6.1	
			SASO ISO 20344:2011 clause 8.6.1	

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	accessories		ISO 20345:2011 clause 6.4.2	
			ISO 20346:2004 clause 6.4.2	
			ISO 20347:2012 clause 6.4.2	
			SASO ISO 20345:2014 clause 6.4.2	
			SASO ISO 20346:2020 clause 6.4.2	
			SASO ISO 20347:2014 clause 6.4.2	
	Leather & Leather Products Containing other accessories	Leather -- Physical and mechanical tests -- Determination of thickness	ISO 868: 2003	
			SASO ISO 868: 2006	
		Rubber, vulcanized or thermoplastic-Determination of indentation hardness - Part 1: Durometer method (Shore Hardness) Excluding thin test pieces (< 6mm thick) and pieces having less than 20 Shore with a type D durometer)	ISO 7619-1: 2010	
		Standard Test Method for Rubber Property— Durometer Hardness	ASTM D2240: 2015	
		Hardness of Rubber, Polyurethane and Plastic Durometer Method	Ref. SATRA TM 205: (16)2017	
	Leather and Leather Product Footwears, Sandal	Children footwear- requirements and test methods Cl. 6: Packaging	SASO 2901: 2018, Cl. 6 and Cl. 7	

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	Products materials	Cl. 7: Marking		
	Leather and Leather Product Footwears, Sandal Products materials	Men's footwear- Specification and test methods Cl. 5 Packaging Cl. 6: Marking	SASO 2889: 2017, Cl. 5 and Cl. 6	
	Leather and Leather Product Footwears, Sandal Products materials	Leather and Leather Product Footwears, Sandal Products materials - Construction	ISO 20345:2011 clause 6.2.1.2	
			ISO 20346:2014 clause 6.2.1.2	
			ISO 20347:2012 clause 6.2.1.2	
	Leather and Leather Product Footwears, Sandal Products materials	Leather and Leather Product Footwears, Sandal Products materials - Dimensions	ISO 20344:2011, 5.8.1	
			SASO ISO 20344:2017, 5.8.1	
			ISO 20345:2011 clause 6.2.1.3	
			ISO 20346:2014 clause 6.2.1.3	
			ISO 20347:2012 clause 6.2.1.3	
	Leather and Leather Products, Footwears	Hydrolysis	ISO 20344:2011, 6.10	
			SASO ISO 20344:2014, 6.10	
			ISO 5423:1992 ANNEX B & E	
			ISO 20344:2011, 8.5	
			SASO ISO 20344:2014, 8.5	

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	Leather and Leather Products, Footwears	Water vapour permeability and coefficient	ISO 5423:1992 ANNEX C & E	
			ISO 20344:2011 6.6 and 6.8	
			SASO ISO 20344:2014 6.6 and 6.8	
	Leather and Leather Products, Footwears	Determination of electrical resistance	ISO 20344:2011, 5.10 wet test	
			SASO ISO 20344:2014, 5.10 wet test	
	Leather and Leather Products, Footwears	Cut resistance footwear: Resistance to cutting	ISO 20344:2011, 6.14	
			SASO ISO 20344:2014, 6.14	
Chemical Test	Leather and Leather Products, Footwears	pH value	ISO 20345:2011 5.4.7	
			ISO 20346:2014 5.4.7	
			ISO 20347:2012 5.4.7	
			SASO ISO 20345:2014 5.4.7	
			SASO ISO 20346:2020 5.4.7	
			SASO ISO 20347:2014 5.4.7	
Mechanical Test	Leather and Leather Products, Footwears	General	ISO 20345:2011 5.2.1	
			ISO 20346:2014 5.2.1	
			ISO 20347:2012 5.2.1	

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			SASO ISO 20345:2014 5.2.1	
			SASO ISO 20346:2020 5.2.1	
			SASO ISO 20347:2014 5.2.1	
Mechanical Test	Leather and Leather Products, Footwears	Hydrolysis	ISO 20345:2011 5.4.8	
			ISO 20346:2014 5.4.8	
			ISO 20347:2012 5.4.8	
			SASO ISO 20345:2014 5.4.8	
			SASO ISO 20346:2020 5.4.8	
			SASO ISO 20347:2014 5.4.8	
Mechanical Test	Leather and Leather Products, Footwears	Tear strength	ISO 20345:2011 5.5.1	
			ISO 20346:2014 5.5.1	
			ISO 20347:2012 5.5.1	
			SASO ISO 20345:2014 5.5.1	
			SASO ISO 20346:2020 5.5.1	
			SASOISO 20347:2014 5.5.1	
Mechanical Test	Leather and Leather	Abrasion resistance	ISO 20345:2011 5.5.2	

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	Products, Footwears		ISO 20346:2014 5.5.2	
			ISO 20347:2012 5.5.2	
			SASO ISO 20345:2014 5.5.2	
			SASO ISO 20346:2020 5.5.2	
			SASO ISO 20347:2014 5.5.2	
Mechanical Test	Leather and Leather Products, Footwears	Water vapour permeability and coefficient	ISO 20345:2011 5.5.3	
			ISO 20346:2014 5.5.3	
			ISO 20347:2012 5.5.3	
			SASO ISO 20345:2014 5.5.3	
			SASO ISO 20346:2020 5.5.3	
			SASO ISO 20347:2014 5.5.3	
Chemical Test	Leather and Leather Products, Footwears	pH value	ISO 20345:2011 5.5.4	
			ISO 20346:2004 5.5.4	
			ISO 20347:2012 5.5.4	
			SASO ISO 20345:2014 5.5.4	
			SASO ISO 20346:2020 5.5.4	

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			SASO ISO 20347:2014 5.5.4	
Mechanical Test	Leather and Leather Products, Footwears	Tear strength	ISO 20345:2011 5.6.1	
			ISO 20346:2014 5.6.1	
			ISO 20347:2012 5.6.1	
			SASO ISO 20345:2014 5.6.1	
			SASO ISO 20346:2020 5.6.1	
			SASO ISO 20347:2014 5.6.1	
Chemical Test	Leather and Leather Products, Footwears	pH value	ISO 20345:2011 5.6.2	
			ISO 20346:2014 5.6.2	
			ISO 20347:2012 5.6.2	
			SASO ISO 20345:2014 5.6.2	
			SASO ISO 20346:2020 5.6.2	
			SASO ISO 20347:2014 5.6.2	
Chemical Test	Leather and Leather Products, Footwears	pH value	ISO 20345:2011 5.7.2	
			ISO 20346:2014 5.7.2	
			ISO 20347:2012 5.7.2	

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			SASO ISO 20345:2014 5.7.2	
			SASO ISO 20346:2020 5.7.2	
			SASO ISO 20347:2014 5.7.2	
Mechanical Test	Leather and Leather Products, Footwears	Hydrolysis	ISO 20345:2011 5.8.5	
			ISO 20346:2014 5.8.5	
			ISO 20347:2012 5.8.5	
			SASO ISO 20345:2014 5.8.5	
			SASO ISO 20346:2020 5.8.5	
			SASO ISO 20347:2014 5.8.5	
Mechanical Test	Leather and Leather Products, Footwears	Water vapour permeability and coefficient	ISO 20345:2011 5.4.6	
			ISO 20346:2014 5.4.6	
			ISO 20347:2012 5.4.6	
			SASO ISO 20345:2014 5.4.6	
			SASO ISO 20346:2020 5.4.6	
			SASO ISO 20347:2014 5.4.6	
Mechanical Test	Leather and Leather	Cut resistance footwear: Design	ISO 20345:2011 6.2.8.1	

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	Products, Footwears		ISO 20346:2014 6.2.8.1	
			ISO 20347:2012 6.2.7.1	
			SASO ISO 20345:2014 6.2.8.1	
			SASO ISO 20346:2020 6.2.8.1	
			SASO ISO 20347:2014 6.2.7.1	
Mechanical Test	Leather and Leather Products, Footwears	Cut resistance footwear: Construction	ISO 20345:2011 6.2.8.3	
			ISO 20346:2014 6.2.8.3	
			ISO 20347:2012 6.2.7.4	
			SASO ISO 20345:2014 6.2.8.3	
			SASO ISO 20346:2020 6.2.8.3	
			SASO ISO 20347:2014 6.2.7.4	
Chemical Test	Leather and Leather Products, Footwears	Footwear — Critical substances potentially present in footwear and footwear components — Determination of phthalates in footwear materials	ISO/TS 16181: 2011	
Chemical Test	Leather and Leather Products, Footwears	Chromium VI-UPPER	ISO 20345: 2011 Cl. 5.4.9 ISO 20346:2004, Cl. 4 5.4.9 ISO 20347: 2012 Cl. 5.4.9 SASO ISO 20345: 2011 Cl. 5.4.9	

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			SASO ISO 20346: 2004 Cl. 5.4.9 SASO ISO 20347: 2012 Cl. 5.4.9	
Chemical Test	Leather and Leather Products, Footwears	Chromium VI-Vamp/Quarter Lining	ISO 20345: 2011 Cl. 5.5.5 ISO 20346: 2004 Cl. 5.5.5 ISO 20347:2012 Cl. 5.5.5 SASO ISO 20345:2011 Cl. 5.5.5 SASO ISO 20346: 2004 Cl. 5.5.5.5 SASO ISO 20347: 2012 Cl. 5.5.5	
Chemical Test	Leather and Leather Products, Footwears	Chromium VI-Tongue	ISO 20345: 2011 Cl. 5.6.3 ISO 20346: 2004 Cl. 5.6.3 ISO 20347: 2012 Cl. 5.6.3 SASO ISO 20345: 2011 Cl. 5.6.3 SASO ISO 20346: 2004 Cl. 5.6.3 SASO ISO 20347: 2012 Cl. 5.6.3	
Chemical Test	Leather and Leather Products, Footwears	Footwear — Critical substances potentially present in footwear and footwear components — Determination of phthalates in footwear materials	SASO ISO 16181: 2011	
Chemical Test	Leather and Leather Products, Footwears	Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 1: Determination of certain aromatic amines derived from azo colorants	ISO 17234-1: 2020	
Chemical Test	Leather and Leather Products, Footwears	Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part	SASO ISO 17234-1: 2015	

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		1: Determination of certain aromatic amines derived from azo colorants		
Chemical Test	Leather and Leather Products, Footwears	Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 1: Determination of certain aromatic amines derived from azo colorants	ISO 17234-2: 2011	
Chemical Test	Leather and Leather Products, Footwears	Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine dimethyl fumarate (DMFU) in footwear materials	ISO/TS 16186:2012	
Chemical Test	Leather and Leather Products, Footwears	Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine dimethyl fumarate (DMFU) in footwear materials	SASO ISO/TS 16186: 2012	
Chemical Test	Leather and Leather Products, Footwears	Leather — Chemical determination of chromium (VI) content in leather — Part 1: Colorimetric method	ISO 17075-1: 2017	
Chemical Test	Leather and Leather Products, Footwears	Leather — Chemical determination of chromium (VI) content in leather — Part 1: Colorimetric method	SASO ISO 17075-1: 2017	
Chemical Test	Leather and Leather Products, Footwears	Standard Operating Procedure For Chromium Vi In Leather By Uv-Vis Spectrophotometer	GC-DXB-IHTM-012 Rev-01: 27-05-2021 (Inhouse method)	
Chemical Test	Leather and Leather Products, Footwears	Footwear — Critical substances potentially present in footwear and footwear components —	ISO/TS 16190: 2013	

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		Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials		
Chemical Test	Leather and Leather Products, Footwears	Leather — Determination of sulphated total ash and sulphated water-insoluble ash	ISO 4047: 1977	
Chemical Test	Leather and Leather Products, Footwears	Leather — Determination of sulphated total ash and sulphated water-insoluble ash	SASO ISO 4047:1977	

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### Toys and Food Contact Materials Scope

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Mechanical Test	Toys	Sharp point Test	EN 71-1:2018, Cl. 8.12 4.5,4.8,4.9,4.10.2,4.14.2,4.15.1.3,5.1, A.40	
			ASTM F963 – 17, Cl. 4.9	
			16 CFR 1500 48: 2017	
			JAPAN ST 2012, Cl. 5.9 4.7,4.9	
			AS/NZS 8124-1:2019, Cl. 5.9 4.7,4.9,4.30.3	
			ISO 8124 -1: 2020, Cl. 5.9,4.7,4.9,4.30.3	
		Sharp Edge Test	EN 71 -1: 2018, Cl. 8.11, 4.5,4.7,4.9,4.10.2,4.14.2,4.15.1.3,5.1	
			ASTM F963:17, Cl. 4.7	
			JAPAN ST 2012, Cl. 5.8,4.6,4.9	
			16 CFR 1500 49: 2017	

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Mechanical Test	Toys		AS/NZS 8124-1:2019, Cl. 5.8, 4.6,4.9,4.30.3	
			ISO 8124 -1: 2020, Cl.5.8,4.6,4.9,4.30.3	
		Small Parts	EN 71 – 1:2018, Cl. 8.2, 4.6,4.11,4.23.3,4.23.3,4.25,5.1,5.2, A.36 4.6,4.11,4.18, 4.23.3, 4.23.3, 4.25, 5.1, 5.2, A.36, 4.6, 4.11, 4.18, 4.23.3, 4.23.3, 4.25, 5.1, 5.2, A.36	
			ASTM F963 – 17, Cl. 4.6	
			AS/NZS 8124-1:2019, Cl. 5.2, 4.3.2,4.4,4.18.3,4.26,4.31	
			ISO 8124 -1: 2020, Cl.5.2, 4.3.2,4.4,4.18.3,4.26,4.31	
			JAPAN ST 2012, Cl. 5.2, 4.3.2,4.4,4.18.2,4.22	
			16 CFR 1501:2017	
		Torque Test	EN 71-1:2018, Cl. 8.3, 4.6,4.11,4.14.2,4.17,4.22,4.23.2,4.25,5.1,5.10,5.12,5.13,6	
			ASTM F963 – 17, Cl. 8.8	
			16 CFR 1500 51,52,53: 2017	
			JAPAN ST 2012, Cl. 5.22.5, clause4	
			AS/NZS 8124-1:2019, Cl. 5.24.5, clause4	
			ISO 8124 -1: 2020, Cl.5.24.5, clause4	
		Tension Test	EN 71-1:2018, Cl.8.4,4.5,4.6,4.10.2,4.14.2,4.22,4.23.2,4.25,5.1,5.10,5.12,5.13,A.38	
			ASTM F963 – 17, Cl. 8.9	

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			16 CFR 1500 51,52,53:2017	
			JAPAN ST 2012, Cl. 5.22.6, 4.2,4.5.3,4.8,4.9,4.18	
			AS/NZS 8124-1:2019 5.24.6, 4.2,4.5.3,4.8,4.9,4.18	
			ISO 8124 -1: 2020, Cl.5.24.6,4.2,4.5.3,4.8,4.9,4.18	
		Impact Test	EN 71-1:2018, Cl. 8.7, 4.5,4.6,4.10.2,4.14.2,4.22,4.23.2,4.25,5.1,5.10,5.12,5.13, A.38	
			16 CFR 1500 51,52,53:2017	
			ASTM F963 – 17, Cl. 8.7	
		Drop Test	EN71-1 :2018, Cl. 8.5, 4.5,4.6,4.10.2,4.14.2,4.22,4.23.2,4.25,5.1,5.10,5.12,5.13	
			ASTM F963 – 17, Cl. 8.7.1	
			JAPAN ST 2012, Cl. 5.22.2, 4	
			AS/NZS 8124-1:2019, Cl. 5.24.2, 4	
			ISO 8124 -1: 2020, Cl.5.24.2, 4	
Mechanical Test	Toys	Bite Test	16 CFR 1500 51,52,53:2017	
			JAPAN ST 2012, Cl. 5.3.1, 4.5.1	
		Flexure Test	EN71-1 :2018, Cl. 8.13, 4.8, A.41	
			16 CFR 1500 51,52,53:2017	

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			JAPAN ST 2012, Cl. 5.22.8, 4.9	
			ASTM F963 – 17, Cl. 8.12	
			AS/NZS 8124-1:2019, Cl. 5.24.8, 4.9	
			ISO 8124 -1: 2020, Cl.5.24.8, 4.9	
		Tip Over Test	EN 71-1:2018, Cl. 8.6, 4.10.2,4.22,4.23.2,5.1,5.10,5.12,5.13	
			JAPAN ST 2012, Cl. 5.22.3, 4	
			16 CFR 1500 51,52,53:2017	
			AS/NZS 8124-1:2019, Cl. 5.24.3,4	
			ISO 8124 -1: 2020, Cl.5.24.3, 4	
			ASTM F963 – 17, Cl. 8.7	
		Soaking Test	EN71-1:2018, Cl. 8.9, 4.11,4.23.2,5.1,5.10,5.12	
			ASTM F963 – 17, Cl. 8.25.4.1	
			AS/NZS 8124-1:2019, Cl. 5.34, 4.31.2	
			ISO 8124 -1: 2020, Cl.5.34, 4.31.2	
		Durability of Mouth Actuated	EN71-1:2018, Cl. 8.17, 4.11, A.44	
			ASTM F963 – 17, Cl. 8.13.2.2	

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Mechanical Test	Toys	Toys	JAPAN ST 2012, Cl. 5.18, 4.22	
			AS/NZS 8124-1:2019, Cl. 5.20, 4.26	
			ISO 8124 -1: 2020, Cl.5.20, 4.26	
		Dynamic strength	EN71 -1:2018, Cl. 8.22, 4.15.1.3	
			ASTM F963 – 17, Cl. 8.21	
		Static Strength	EN 71-1:2018, Cl. 8.21, 4.15.1.3, 4.15.1.5, 4.15.3, 4.15.4, A.46	
			AS/NZS 8124-1:2019, Cl.5.26, 4.30.3	
			ISO 8124 -1: 2020, Cl.5.26, 4.30.3	
			ASTM F963 – 17, Cl. 8.28	
		Kinetic Energy	EN71-1 :2018, Cl. 8.24, 4.17.3.1, 4.17.4.2	
			JAPAN ST 2012, Cl. 5.15, 4.18	
			AS/NZS 8124-1:2019, Cl. 5.15, 4.18	
			ISO 8124 -1: 2020, Cl.5.15, 4.18	
			ASTM F963 – 17, Cl. 8.14	
		Stability Test	EN71-1 :2018, Cl. 8.23, 4.15.1.4, 4.15.3, 4.15.4	
			JAPAN ST 2012, Cl. 5.12, 4.15	

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			AS/NZS 8124-1:2019, Cl. 5.12, 4.15	
			ISO 8124 -1: 2020, Cl.5.12, 4.15	
		Brake Performance	EN71-1 :2018, Cl. 8.26, 4.15.1.5,4.15.2.3,4.15.5.5	Excluded 8.26.1.2 & 8.26.1.3
			AS/NZS 8124-1:2019, Cl. 5.16, 4.21,4.22.3	Excluded 5.16.1
			ISO 8124-1: 2020, Cl. 5.16, 4.21,4.22.3	Excluded 5.16.1
		Toy Chest Lid	EN71-1 :2018, Cl. 8.31, 4.14.1.C	
			JAPAN ST 2012, Cl. 5.13, 4.16.2	
			AS/NZS 8124-1:2019, Cl. 5.13, 4.16.2	
			ISO 8124-1: 2020, Cl. 5.13, 4.16.2	
			ASTM F963 – 17, Cl. 8.27	
Mechanical Test	Toys	Small balls and suction cups test	EN71-1 :2018, Cl. 8.32, 4.17, 4.22,4.25,5.10,5.13,6	
			ASTM F963 – 17, Cl. 5.11	
			JAPAN ST 2012, Cl. 5.4, 4.5.2	
			AS/NZS 8124-1:2019, Cl. 5.4, 4.5.2,4.18.2	
			ISO 8124-1: 2020, Cl. 5.4, 4.5.2,4.18.2	
		Magnetic Flux Index	EN71-1 :2018, Cl. 8.35, 4.23, A.51	
			JAPAN ST 2012, Cl. 5.25,4.24	

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			AS/NZS 8124-1:2019, Cl. 5.32, 4.31	
			ISO 8124-1: 2020, Cl. 5.32, 4.31	
			ASTM F963 – 17, Cl. 8.25	
		Tension test for magnets	EN 71-1 :2018, Cl. 8.34,4.23.2	
			ISO 8124-1-2020, Cl.5.31,4.31.2	
			AS/NZS 8124-1:2019, Cl.5.31,4.31.2	
			JAPAN ST 2012, Cl.5.24,4.24.2	
		Perimeter of Cords and Chains	EN 71-1 :2018, Cl. 8.36, 5.4.4	
			JAPAN ST 2012, Cl. 5.11.4,4.11	
		Breakaway feature separation test	EN 71-1 :2018, Cl. 8.38, 5.4.2,5.4.3,5.14	
			JAPAN ST 2012, Cl. 5.11.3, 4.11	
		Test for loops and cords	ASTM F963 – 17, Cl. 8.23	
		Test for cords and elastics	AS/NZS 8124-1:2019, Cl. 5.11, 4.11	
			ISO 8124-1-2020, Cl. 5.11, 4.11	
		Length of Cords and Chains	EN71-1:2018, Cl. 8.40, 5.4.2,5.4.3,5.4.5,5.4.6	
			JAPAN ST 2012, Cl. 5.11 .2, , 4.11	
		Emission Sound Pressure Level Test	EN 71-1:2018, Cl. 8.28, 4.20 (Excluded 8.28.2.4 & 8.28.2.11)	
			JAPAN ST 2012, Cl. 5.23,4.23	
			AS/NZS 8124-1:2019, Cl. 5.25,4.29	

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			ISO 8124-1 : 2020, Cl. 5.25,4.29	
			ASTM F963 – 17, Cl. 8.20	
Mechanical Test	Toys	Flammability Test	EN 71-2:2020	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 71-1:2018, Cl. 8.8, 4.6,4.14.2,4.22,4.23.2,4.25,5.1,5.10,5.12,5.13,A.39	
			ASTM F963 – 17, Cl. 8.9	
			16 CFR 1500 51, 52, 53: 2017	
			JAPAN ST 2012, Cl. 5.22.7,4	
			AS/NZS 8124-1:2019, Cl. 5.24.7, 4	
			ISO 8124-1: 2020, Cl. 5.24.7, 4	
		Folding and Sliding mechanism	EN 71-1 2018, Cl. 8.18, 4.10.1, A.45	
			ISO 8124-1: 2020, Cl. 5.22,4.12	
			ASTM F963 – 17, Cl. 8.26	
			JAPAN ST 2012, Cl. 5.20, 4.12	

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			AS/NZS 8124-1:2019, Cl. 5.22, 4.12	
Mechanical Test	Toys	Accessibility of a part or component	EN 71-1:2018 clause 8.10, 4.5, 4.7, 4.8, 4.10.2, 4.10.4, 4.15.1.3, 4.21, 5.2 and 5.7	
			AS/NZS 8124-1:2019 clause 5.7, 4.6, 4.7, 4.13, and 4.14	
			ASTM F963 4.18	
			ISO 8124 - Part-1: 2020 clause 5.7, 4.6, 4.7, 4.13, and 4.14	
			Japan ST 2012 Clause 5.7	
		Packaging	EN71-1:2018 -cl 6	
			JAPAN ST 2012 -cl6	
			ASTMF963:2017 - A.2	
		Labelling	EN71-1:2018 - cl 7	
			JAPAN ST 2012 - cl7	
			ASTMF963:2017 - A.1	
			AS/NZS 8124-1:2019 - Annex B	
			ISO 8124 -1: 2020 -Annex B	
		Plastic sheeting	EN71-1:2018 -cl 8.25, 4.3, 5.3, 6	
			JAPAN ST 2012 -cl 4.10, 5.10	
			ASTMF963:2017 -cl 4.12	
			AS/NZS 8124-1:2019 -cl 4.10, 5.10	
			ISO 8124 -1: 2020 - cl 4.10, 5.10	
		Age determination guidelines	ISO/TR 8124-8:2016	

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Chemical Test		Certain phthalate esters in toys and children's products	ISO 8124-6: 2018	
Chemical Test		Safety of toys Organic chemical compounds. Requirements	EN 71-9: 2005+A1: 2007 ANNEX A.8	
Chemical Test		Safety of toys - Part 10: Organic chemical compounds - Sample preparation and extraction	EN 71-10: 2005 CLAUSE 8	
Chemical Test		Safety of toys Part 11: Organic Chemical Compounds Method of Analysis	EN 71-11: 2005 CLAUSE 5.4	

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Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard Operating Procedure for Determining Aromatic Amines Released From Azo-Colorants	GC-DXB-IHTM-002: 2020 Rev-01: 27-05-2021 (Inhouse method)	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard Operating Procedure for Determining PAAB	GC-DXB-IHTM-006: 2020 Rev-01: 27-05-2021 (Inhouse method)	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	POLYNUCLEAR (POLYCYCLIC) AROMATIC HYDROCARBONS (PAHS) BY GCMS	GC-DXB-IHTM-004 Rev-01: 27-05-2021 (Inhouse method)	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Testing and Validation of Polycyclic Aromatic Hydrocarbons	ZEK-01.4-08	

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	Toys	(PAH)		
Chemical Test	Toys	General methods of test for pigments and extenders — Part 9: Determination of pH value of an aqueous suspension	EN ISO 787-9: 2019	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)	CPSC-CH-E-1001-08.3	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears,	STANDARD OPERATING PROCEDURE OF LEAD CONTENT	GC-DXB-IHTM-014 Rev-01: 27-05-2021 (Inhouse method)	

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	Toys			
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard Operating Procedure for Determining Total Lead (Pb) in Nonmetal Children's Products,	CPSC-CH-E-1002-08.3	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard Practice for Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis	ASTM E 1645: <b>20a</b>	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	STANDARD OPERATING PROCEDURE OF LEAD CONTENT	GC-DXB-IHTM-015 Rev-01: 27-05-2021 (Inhouse method)	

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Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings*	CPSC-CH-E-1003-09.1	
Chemical Test	Toys	Standard Consumer Safety Specification for Toy Safety	ASTM F963: 2017	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	STANDARD OPERATING PROCEDURE OF LEAD CONTENT	GC-DXB-IHTM-013 Rev-01: 27-05-2021 (Inhouse method)	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Ban of Lead-Containing Paint and certain consumer products bearing lead-Containing paint	16 CFR1303	

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Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard Test Method for Determination of Lead by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES), Flame Atomic Absorption Spectrometry (FAAS), or Graphite Furnace Atomic Absorption Spectrometry (GFAAS) Techniques	ASTM E 1613:2012	
Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Standard operating procedure for Cadmium Content	GC-DXB-IHTM-016 Rev-01: 27-05-2021 (Inhouse method)	

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Chemical Test	Textile Fabric and Garment Leather and Leather Products, Footwears, Toys	Plastics- Determination of Cadmium- Wet Decomposition method	BS EN 1122: 2001	
Chemical Test	Food ware Article/ Feeding Bottle with Teats/Thermo Flask/Soothe/ Melamine Product/Tableware (Plastic / Rubber/ Polymeric Coated Metal)	Materials and Articles in Contact with Foodstuffs - Plastics- Part 15: Alternative test methods to migration Fatty food Simulants by Rapid Extraction into Iso-Octane and/or 95% Ethanol	EN 1186- 15 (CPSC-CHC1001-09.3:2010, GSO 1863: 2013 GC-DXB-IHTM-005 Rev-01: 27-05-2021 (Inhouse method) GC-DXB-IHTM-010 Rev-01: 27-05-2021 (Inhouse method) GC-DXB-IHTM-011 Rev-01: 27-05-2021 (Inhouse method) GC-DXB-IHTM-004 Rev-01: 27-05-2021 (Inhouse method)	
Chemical Test		Material and articles in contact with foodstuffs- Plastics substances subject to limitation part 1:	EN 13130-1-15 followed by (CPSC-CHC1001-09.3:2010) GSO 1863: 2013 GC-DXB-IHTM-005 Rev-01: 27-05-2021 (Inhouse method) GC-DXB-IHTM-010 Rev-01:	

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		Guide to test methods for the specific migration of substance from plastics to foods and food simulants and the determination of substance in plastics	27-05-2021 (Inhouse method) GC-DXB-IHTM-011 Rev-01: 27-05-2021 (Inhouse method) GSO 2231: 2012 GC-DXB-IHTM-004 Rev-01: 27-05-2021 (Inhouse method)	
Chemical Test		Materials and articles in contact with foodstuffs. Plastics Guide to the selection of conditions and test methods for overall migration	EN 1186-1 to 15 GSO 2231: 2012 SASO GSO 2231: 2012	
Chemical Test	Food ware Article/ Feeding Bottle with Teats/Thermo Flask/Soothe/ Melamine	Sensory Analysis- Testing of packaging material and packages for foodstuffs	DIN 10955 :2004	
Chemical	Product/Tableware	Sensory analysis	BS ISO 13302:2003	

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Test	(Plastic / Rubber/ Polymeric Coated Metal)	— Methods for assessing modifications to the flavour of foodstuffs due to packaging		
Chemical Test		Sensory Analysis- Testing of packaging material and packages for foodstuffs	LFGB/DIN 10955 :2004	
Chemical Test		Standard operating procedure of phthalates plasticizer content in Thermoplastic by GC-MS	GC-DXB-IHTM-010: Rev-01: 27-05-2021 (Inhouse method) EN 14372:2004	
Chemical Test		Standard operating procedure of phthalate plasticizers content in plastic	GC-DXB-IHTM-011: 2020 Rev-01: 27-05-2021 (Inhouse method)	

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		& textile material by gc-ms		
Chemical Test	Food ware Article/ Feeding Bottle with Teats/Thermo Flask/Soother/ Melamine Product/Tableware (Plastic / Rubber/ Polymeric Coated Metal)	Total content of peroxide residues	LFGB/DIN 10955 :2004	
Chemical Test		Overall migration	EN 1186-1 to 15	
Chemical Test		Color release	Resolution AP 89	

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### Packaging Product Scope

TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED	Remarks
Mechanical Test	Packed -Products 150 lb (68 KG) or less	Vibration (Fixed Displacement)	ISTA 1A: 2014	
Mechanical Test	Packed -Products Over 150 lb (68 KG)	Vibration (Fixed Displacement)	ISTA 1B: 2014	
Mechanical Test	Extended Testing for Packaged products 150 lb (68 KG) or less	Vibration (Fixed Displacement)	ISTA 1C: 2014	
Mechanical Test	Extended Testing for Packaged products Over 150 lb (68 KG)	Vibration (Fixed Displacement)	ISTA 1D: 2014	
Mechanical Test	Unitized Loads of Same Product	Vibration (Fixed Displacement)	ISTA 1E: 2014	
Mechanical Test	Packed -Products 150 lb (68 KG) or less	Vibration (Fixed Displacement)	ISTA 2A: 2011	
Mechanical Test	Packed -Products 150 lb (68 KG) or less	Drop Test	ISTA 1A: 2014	
Mechanical Test	Packed -Products Over 150 lb (68 KG)	Drop Test	ISTA 1B: 2014	

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Mechanical Test	Extended Testing for Packaged products 150 lb (68 KG) or less	Drop Test	ISTA 1C: 2014	
Mechanical Test	Extended Testing for Packaged products Over 150 lb (68 KG)	Drop Test	ISTA 1D: 2014	
Mechanical Test	Packed Product 150 lb (68 KG) or less (Random Vibration)	Drop Test	ISTA 1G: 2014	
Mechanical Test	Packed Product Over 150 lb (68 KG) (Random Vibration)	Drop Test	ISTA 1H: 2014	
Mechanical Test	Packed -Products 150 lb (68 KG) or less	Drop Test	ISTA 2A: 2011	
Mechanical Test	Packed -Products Over 150 lb (68 KG)	Rotational Edge Drop Test	ISTA 1B: 2014	
Mechanical Test	Extended Testing for Packaged products Over 150 lb (68 KG)	Rotational Edge Drop Test	ISTA 1D: 2014	
Mechanical Test	Unitized Loads of Same Product	Rotational Edge Drop Test	ISTA 1E: 2014	

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Mechanical Test	Packed Product Over 150 lb (68 KG) (Random Vibration)	Rotational Edge Drop Test	ISTA 1H: 2014	
Mechanical Test	Extended Testing for Packaged products 150 lb (68 KG) or less	Compression	ISTA 1C: 2014	
Mechanical Test	Extended Testing for Packaged products Over 150 lb (68 KG)	Compression	ISTA 1D: 2014	
Mechanical Test	Packed -Products 150 lb (68 KG) or less	Compression	ISTA 2A: 2014	
Mechanical Test	Paper, Paperboard, Containerboard, Carton or Related Product	Bursting strength of linerboard	TAPPI T807-0m 16	
Mechanical Test	Paper, Paperboard, Containerboard, Carton or Related Product	Board — Determination of bursting strength	ISO 2759: 2014	
Mechanical Test	Corrugated fibreboard	Determination of flat crush resistance	ISO 3035: 2011	
Mechanical Test	Corrugated fibreboard	Determination of edgewise crush resistance (unwaxed edge method)	ISO 3037: 2013	

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Mechanical Test	Corrugated fibreboard	Edgewise compressive strength of corrugated fiber board (short column test)	TAPPI T 811 om-17	
Mechanical Test	Corrugated fibreboard	Edge crush test using neckdown	TAPPI T838 cm-12	
Chemical Test	Packaging material	Ink rub test of container board and corrugated board	TAPPI/ANSI T 830 om-18	
Chemical Test	Packaging material	Standard Practice for Abrasion Resistance of Printed Materials by the Sutherland Rub Tester	ASTM D5264: 2019	
Mechanical Test	Carton Box	Puncture test of container board	TAPPI T803 - cm 20	
Mechanical Test	Carton Box	Board - Determination of puncture resistance	ISO 3036: 2016	
Physical Test	Paper, Paperboard, Containerboard, Carton or Related Product	Water absorptiveness of sized (non-bibulous) paper, paperboard, and corrugated fiber board (Cobb test)	TAPPI/ANSI T 441 om-20	
Physical Test	Paper, Paperboard, Containerboard, Carton or Related Product	Determination of water absorptiveness — Cobb method	ISO 535: 2014	
Mechanical Test	Paper and Paper Board	Measurement of diffuse radiance factor (diffuse reflectance factor)	ISO 2469: 2014	Pulp excluded
Mechanical Test	Paper and Paper Board	Determination of opacity (paper backing) — Diffuse reflectance method	ISO 2471: 2008	Pulp excluded

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Mechanical Test	Paper and Paper Board	Measurement of diffuse blue reflectance factor	ISO 2470-1: 2016	Pulp excluded
Mechanical Test	Paper and Paper Board	Determination of light scattering and absorption coefficients (using Kubelka-Munk theory)	ISO 9416: 2017	Pulp excluded
Mechanical Test	Paper & paper board	Internal tearing resistance of paper (Elmendorf-type method)	ANSI/TAPPI T 414 om-21	
Mechanical Test	Paper & paper board	Determination of Tear Resistance - Elmendorf method	ISO 1974: 2012	
Mechanical Test	Paper & paper board	Thickness (caliper) of paper, paperboard, and combined board	TAPPI T 411 om-15	
Mechanical Test	Paper & paper board	Moisture in pulp, paper and paperboard	TAPPI T 412 om-06	
Mechanical Test	Paper & paper board	Grammage of paper and paperboard (weight per unit area)	TAPPI T 410 om-08	
Mechanical Test	Paper & paper board	Determination of Grammage	ISO 536: 2019	
Mechanical Test	Paper & paper board	Breaking Strength	TAPPI T494 om-01	
Mechanical Test	Plastic film & packaging	Polyethylene Bags for food packaging application	UAE.S GSO 1193/2002	
Mechanical Test	Plastic film & packaging	Determination of Melt Flow Index	SASO 1743 (GS 1194): 2002,	

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Test			Cl.4	
Mechanical Test	Plastic film & packaging	Determination of Melt Flow Index	GSO 1191: 2002	
Mechanical Test	Plastic film & packaging	Determination of Melt Flow Index	ASTM D1238-20	
Mechanical Test	Plastic film & packaging	Determination of Melt Flow Index	ISO 1133-1: 2011	
Mechanical Test	Plastic film & packaging	Visual Inspection	SASO 1743 (GS 1194): 2002, Cl. 3	
Mechanical Test	Plastic film & packaging	Dimensional Measurement	SASO 1743 (GS 1194): 2002, Cl. 5	
Mechanical Test	Plastic film & packaging	Determination of Tensile Strength and Elongation	SASO 1743 (GS 1194): 2002, Cl. 6	
Mechanical Test	Plastic film & packaging	Determination of Tensile Strength and Elongation	GSO 392:1994, Cl. 9	
Mechanical Test	Plastic film & packaging	Determination of Dart Drop Impact Strength	SASO 1743 (GS 1194): 2002, Cl. 7	
Mechanical Test	Plastic film & packaging	Determination of Dart Drop Impact Strength	GSO 392: 1994, Cl. 7	
Mechanical Test	Plastic film & packaging	Determination of Dart Drop Impact Strength	ASTM D1709-16	

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Mechanical Test	Plastic film & packaging	Determination of Dart Drop Impact Strength	ISO 7765-1: 2014	
Mechanical Test	Plastic film & packaging	Determination of Kinetic Coefficient of Friction	SASO 1743 (GS 1194): 2002, Cl. 8	
Mechanical Test	Plastic film & packaging	Determination of Kinetic Coefficient of Friction	GSO 392:1994, Cl. 8	
Mechanical Test	Plastic film & packaging	Determination of Gloss	SASO 1743 (GS 1194): 2002, Cl. 9	
Mechanical Test	Plastic film & packaging	Determination of Haze	SASO 1743 (GS 1194): 2002, Cl. 10	
Mechanical Test	Plastic film & packaging	Determination of Haze	GSO 392:1994, Cl. 11	
Mechanical Test	Plastic film & packaging	Determination of Haze	ASTM D1003-13	
Mechanical Test	Plastic film & packaging	Determination of Water Vapour Transmission Rate	SASO 1743 (GS 1194): 2002, Cl. 11	
Mechanical Test	Plastic film & packaging	Determination of Water Vapour Transmission Rate	GSO 392:1994, Cl. 10	
Mechanical Test	Plastic film & packaging	Determination of Water Vapour Transmission Rate	ASTM E96-16	
Mechanical	Plastic film & packaging	Determination of Oxygen Transmission Rate	SASO 1743 (GS 1194): 2002, Cl.	

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Test			12	
Mechanical Test	Plastic film & packaging	Determination of Oxygen Transmission Rate	ASTM D3985 – 17	
Mechanical Test	Plastic film & packaging	Determination of Seal Strength	SASO 1743 (GS 1194): 2002, Cl. 14	
Mechanical Test	Plastic film & packaging	Determination of Blocking Strength of Bags	SASO 1743 (GS 1194): 2002, Cl. 15	
Mechanical Test	Plastic film & packaging	Determination of Leaks in Flexible Packaging by Bubble Emission <sup>1</sup>	ASTM D3078 – 02	

**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

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### Log of Suspended Scopes: None

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

### Log of Withdrawn Scopes: None

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

**END**

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