CERTIFICATE OF ACCREDITATION

This is to attest that

EUROFINS PRODUCT TESTING INDIA PVT. LTD.

PLOT NO. 157, UDYOG VIHAR, PHASE-I
GURUGRAM, DEL 122016, INDIA

Testing Laboratory TL-1148

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories.* This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date May 31, 2024

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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EUROFINS PRODUCT TESTING INDIA PVT. LTD.

Contact Name Krishnan N **Contact Phone** +1-91 08369099

Accredited to ISO/IEC 17025:2017 *Effective Date May 31, 2024*

CHEMICAL (Non-Analytical) **Matrix: Textiles (Apparels/ Garment/ Finished Fabric, Carpets and Rugs, Upholstery Fabric/ Product, Other)**	
AATCC 125	Test Method for Colorfastness to Perspiration and Light
AATCC TM8	Test Method for Colourfastness to Crocking:Crockmeter Assessment done using permitted Grey Scale for staining
AATCC TM15	Test Method for Colorfastness to Perspiration Assessment using Grey Scale for staining
AATCC TM16.3	Test Method for Colorfastness to Light: Xenon-ArcAssessment using Grey Scale for staining
AATCC TM20	Test Method for Fiber Analysis: Qualitative
AATCC TM20A	Test Method for Fiber Analysis: Quantitative
AATCC TM22	Test Method for Water Repellency: Spray
AATCC TM61	Test Method for Colorfastness to Laundering: Accelerated Assessment using Grey Scale
AATCC TM79	Test Method for Absorbency of Textiles
AATCC TM88B	Test Method for Seam Smoothness in Fabrics after Home Laundering
AATCC TM88C	Test Method for Crease Retention in Fabrics after Home Laundering
AATCC TM106	Test Method for Colorfastness to Water: Sea Assessment using Grey Scale
AATCC TM107	Test Method for Colorfastness to Water Assessment using Grey Scale
AATCC TM124	Test Method for Smoothness Appearance of Fabrics after Home Laundering
AATCC TM132	Test Method for Colorfastness to Drycleaning - Assessment using Grey Scale
AATCC TM135	Test Method for Dimensional Changes of Fabrics after Home Laundering

AATCC TM143	Test Method for Appearance of Apparel and Other Textile End Products after Home Laundering
AATCC TM150	Test Method for Dimensional Changes of Garments after Home Laundering
AATCC TM158	Dimensional Changes on Drycleaning in Perchloroethylene: Machine
AATCC TM162	Test Method for Colorfastness to Water: Chlorinated Pool Assessment using Grey Scale for staining
AATCC TM179	Test Method for Skew Change in Fabrics After Home Laundering
AATCC TM207	Seam Twist in Garments Before and After Home Laundering
AS 2001.4. E01	Methods Of Test for Textiles - Colourfastness Tests - Colourfastness to Water Assessment using Grey Scale
AS 2001.4. E04	Methods of test for textiles Colourfastness tests – Determination colourfastness to perspiration Assessment using Grey Scale
BS 4323	Determination of Dimensional Change of Fabrics Induced by Free Steam
BS EN ISO 105-B02	Textiles - Tests for colour fastness - Part B02: Colour fastness to light
BS EN ISO 105-B07	Tests for colour fastness — Part B07: Colour fastness to light of textiles wetted with artificial perspiration - Assessment using Grey Scale
BS EN ISO 105-C06	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering - Assessment using Grey Scale
BS EN ISO 105-C08	Textiles — Tests for colour fastness — Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator Assessment using Grey Scale
BS EN ISO 105-C10	Textiles - Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda Assessment using Grey Scale
BS EN ISO 105-D01	Textiles — Tests for colour fastness — Part D01: Colour fastness to drycleaning using perchloroethylene solvent Assessment using Grey Scale
BS EN ISO 105-E01	Textiles — Tests for colour fastness — Part E01: Colour fastness to water Assessment using Grey Scale
BS EN ISO 105-E02	Textiles — Tests for colour fastness — Part E02: Colour fastness to sea water Assessment using Grey Scale
BS EN ISO 105-E03	Textiles — Tests for colour fastness — Part E03: Colour fastness to chlorinated water (swimming-pool water) Assessment using Grey Scale
BS EN ISO 105-E04	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration Assessment using Grey Scale

BS EN ISO 105-E07	Textiles - Tests for colour fastness - Part E07: Colour fastness to spotting: Water Assessment using Grey Scale
BS EN ISO 105-X12	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing Assessment using Grey Scale
BS EN ISO 105-X18	Textiles - Tests for colour fastness - Part X18: Assessment of the potential to phenolic yellowing of materials Assessment using Grey Scale
BS EN ISO 6330	Domestic washing and drying procedures for textile testing
DIN 53160-1	Determination of the colourfastness of articles for common use - Part 1: Test with artificial saliva Assessment using Grey Scale
DIN 53160-2	Determination of the colourfastness of articles for common use - Part 2: Test with artificial sweat Assessment using Grey Scale
DIN EN ISO 105-B02	Textiles - Tests for colour fastness - Part B02: Colour fastness to light
DIN EN ISO 105-B07	Tests for colour fastness — Part B07: Colour fastness to light of textiles wetted with artificial perspiration Assessment using Grey Scale
DIN EN ISO 105-C06	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering Assessment using Grey Scale
DIN EN ISO 105-C08	Textiles — Tests for colour fastness — Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator Assessment using Grey Scale
DIN EN ISO 105-C10	Textiles - Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda Assessment using Grey Scale
DIN EN ISO 105-D01	Textiles — Tests for colour fastness — Part D01: Colour fastness to drycleaning using perchloroethylene solvent Assessment using Grey Scale
DIN EN ISO 105-E01	Textiles — Tests for colour fastness — Part E01: Colour fastness to water - Assessment using Grey Scale
DIN EN ISO 105-E02	Textiles — Tests for colour fastness — Part E02: Colour fastness to sea water Assessment using Grey Scale
DIN EN ISO 105-E03	Textiles — Tests for colour fastness — Part E03: Colour fastness to chlorinated water (swimming-pool water) Assessment using Grey Scale
DIN EN ISO 105-E04	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration Assessment using Grey Scale
DIN EN ISO 105-E07	Textiles - Tests for colour fastness - Part E07: Colour fastness to spotting: Water Assessment using Grey Scale

DIN EN ISO 105-X12	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing Assessment using Grey Scale
DIN EN ISO 105-X18	Textiles - Tests for colour fastness - Part X18: Assessment of the potential to phenolic yellowing of materials Assessment using Grey Scale
DIN EN ISO 6330	Domestic washing and drying procedures for textile testing
DIN ISO 3759	Textiles — Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change
DIN ISO 5077	Textiles — Determination of dimensional change in washing and drying
DIN ISO 15487	Textiles — Method for assessing appearance of apparel and other textile end products after domestic washing and drying
EU 1007: 2011	EU: European Commission Amends Textile Fibre Labelling Regulation
GB 18401	National general safety technical code for textile products 1. GB/T 2912.1 2. GB/T 7573 3. GB 18401, sec. 6.7 4. GB/T 17592.1 5. GB/T 5713 6. GB/T 3922 7. GB/T 3920 8. GB/T 18886
GB/T 2910	Fiber analysis Qualitative & Quantitative
GB/T 3920	Textiles - Tests for colour fastness – Colour fastness to rubbing Assessment using Grey Scale
GB/T 3921	Textiles - Tests for Colour Fastness – Colour Fastness to Washing with Soap or Soap and Soda Assessment using Grey Scale
GB/T 3922	Textiles - Tests for Colour Fastness – Colour Fastness to Perspiration Assessment using Grey Scale
GB/T 5711	Textiles – Tests for Colour Fastness – Colour Fastness to Drycleaning Using Perchloroethylene Solvent Assessment using Grey Scale
GB/T 5713	Textiles - Tests for Colour Fastness – Colour Fastness to Water - Assessment using Grey Scale
GB/T 8427	Textiles - Tests for color fastness - Color fastness to artificial light: Xenon arc
GB/T 8628	Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change

GB/T 8629	Textiles - Domestic washing and drying procedures for textile testing
GB/T 8630	Determination of dimensional change in washing and drying
GB/T 12490	Textiles -- Tests for colour fastness -- Colour fastness to domestic and commercial laundering Assessment using Grey Scale
GB/T 18886	Textiles - Tests for Fastness – Colour Fastness to Saliva Assessment using Grey Scale
IS 15370	Textiles - Domestic Washing and Drying Procedures for Textiles Testing
IS/ISO 16322 (PART-1)	Textiles — Determination of spirality after laundering — Part 1: Percentage of wale spirality change in knitted garments
IS/ISO 16322 (PART 2)	Textiles — Determination of spirality after laundering — Part 2: Woven and knitted fabrics.
IS/ISO 16322 (PART 3)	ISO - ISO 16322-3:2021 - Textiles — Determination of spirality after laundering — Part 3: Woven and knitted garments.
ISO 105-B02	Textiles - Tests for colour fastness - Part B02: Colour fastness to light
ISO 105-B07	Textiles — Tests for colour fastness — Part B07: Colour fastness to light of textiles wetted with artificial perspiration
ISO 105-C06	Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering Assessment using Grey Scale
ISO 105-C08	Textiles — Tests for colour fastness — Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator Assessment using Grey Scale
ISO 105-C10	Textiles - Tests for colour fastness - Part C10: Colour fastness to washing with soap or soap and soda Assessment using Grey Scale
ISO 105-D01	Textiles — Tests for colour fastness — Part D01: Colour fastness to drycleaning using perchloroethylene solvent Assessment using Grey Scale
ISO 105-E01	Textiles — Tests for colour fastness — Part E01: Colour fastness to water Assessment using Grey Scale
ISO 105-E02	Textiles — Tests for colour fastness — Part E02: Colour fastness to sea water Assessment using Grey Scale
ISO 105-E03	Textiles — Tests for colour fastness — Part E03: Colour fastness to chlorinated water (swimming-pool water) Assessment using Grey Scale
ISO 105-E04	Textiles - Tests for colour fastness - Part E04: Colour fastness to perspiration Assessment using Grey Scale
ISO 105-E07	Textiles - Tests for colour fastness - Part E07: Colour fastness to spotting: Water Assessment using Grey Scale

ISO 105-N01	Textiles — Tests for colour fastness — Part N01: Colour fastness to bleaching: Hypochlorite Assessment using Grey Scale
ISO 105-X12	Textiles - Tests for colour fastness - Part X12: Colour fastness to rubbing Assessment using Grey Scale
ISO 105-X18	Textiles - Tests for colour fastness - Part X18: Assessment of the potential to phenolic yellowing of materials Assessment using Grey Scale
ISO 3005	Textiles — Determination of dimensional change of fabrics induced by free-Steam
ISO 3175-1	Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 1: Assessment of performance after cleaning and finishing
ISO 3175-2	Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene
ISO 3759	Textiles — Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change
ISO 5077	Textiles — Determination of dimensional change in washing and drying
ISO 6330	Textiles — Domestic washing and drying procedures for textile testing
ISO 15487	Textiles — Method for assessing appearance of apparel and other textile end products after domestic washing and drying
ISO 16322-1	Textiles — Determination of spirality after laundering — Part 1: Percentage of wale spirality change in knitted garments
ISO 16322-2	Textiles — Determination of spirality after laundering — Part 2: Woven and knitted fabrics
ISO 16322-3	Textiles — Determination of spirality after laundering — Part 3: Woven and knitted garments
SASO 171/GS 1268	Textiles -: Colour fastness to perspiration Assessment using Grey Scale
SASO 781/GS 431	Fibre Analysis: Quantitative & Qualitative
SASO 2140	Dimensional change in washing & drying
SASO 2324	Textile -Colour fastness to drycleaning using perchloroethylene solvent Assessment using Grey Scale
SASO 2329	Textiles - Colour fastness to domestic and commercial laundering Assessment using Grey Scale
SASO 2330	Textiles - Tests for colour fastness - Colour fastness to rubbing Assessment using Grey Scale
CHEMICAL **Matrix: Leather and its products, footwear, and its materials**	

SATRA TM160	Colour fastness to light from a xenon arc
SATRA TM167	Colour fastness to rubbing - crockmeter test Assessment using Grey Scale
SATRA TM173	Colour fastness to rubbing - reciprocating method Assessment using Grey Scale
SATRA TM185	Resistance to water spotting of leathers, textiles and coated fabrics
SATRA TM335	Colour fastness to water or perspiration (petri-dish method) Assessment using Grey Scale
ISO 11640	Leather - Tests for Colour fastness - Colour fastness to cycles of to-and-fro rubbing Assessment using Grey Scale
ISO 11641	Leather - Tests for colour fastness -Colour fastness to perspiration Assessment using Grey Scale
ISO 11642	Leather - Tests for colour fastness - Colour fastness to water Assessment using Grey Scale
ISO 15700	Leather — Tests for colour fastness — Colour fastness to water spotting
MECHANICAL **Matrix: Textiles (Apparels/ Garment/ Finished Fabric, Carpets and Rugs, Upholstery Fabric/ Product, Other)**	
16 CFR 1120	Sustainable Product Hazard List
16 CFR 1610	Standard for the flammability of clothing textiles
16 CFR 1630	Standard for the surface flammability of carpets and rugs
16 CFR 1631	Standard for the surface flammability of carpets and rugs
AS 2001.2.3.1	Method 2.3.1: Physical tests—Determination of maximum force and elongation at maximum force using the strip method
AS 2001.2.8	Methods of test for textiles Physical tests – Determination of tear force of fabrics using the ballistic pendulum method (Elmendorf)
ASTM D1059	Standard Test Method for Yarn Number Based on Short-Length Specimens
ASTM D1230	Standard Test Method for Flammability of Apparel Textiles
ASTM D1424	Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum (Elmendorf-Type) Apparatus
ASTM D1683/D1683M	Standard Test Method for Failure in Sewn Seams of Woven Fabrics
ASTM D2261	Standard Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)

ASTM D2594/D2594M-04	Standard Test Method for Stretch Properties of Knitted Fabrics Having Low Power
ASTM D3107-07	Standard Test Methods for Stretch Properties of Fabrics Woven from Stretch Yarns
ASTM D3512/D3512M	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester
ASTM D3775	Standard Test Method for End (Warp) and Pick (Filling) Count of Woven Fabrics
ASTM D3776/D3776M:09a Option C	Standard Test Methods for Mass Per Unit Area (Weight) of Fabric
ASTM D3786/D3786M	Standard Test Method for Bursting Strength of Textile Fabrics—Diaphragm Bursting Strength Tester Method
ASTM D4966:12	Standard Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)
ASTM D4970/D4970M	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Martindale Tester
ASTM D5034-09	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
ASTM D5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
ASTM D8007	Test method covers the measurement of wale and course counts of weft knitted fabrics
ASTM F1816	Standard Safety Specification for Drawstrings on Children's Upper Outerwear
BS 2471	Textiles. Woven fabrics. Determination of mass per unit length and mass per unit area
BS 4162	Methods of test for buttons (Strength of Button)
BS 5438	Methods for Flammability of vertically oriented textile fabrics and fabric assemblies subjected to a small igniting flame
BS 5441	Tests for barriness, fabric construction, wales and courses per centimetre and linear density of component yarns. Also stitch and course length of weft knitted, and run-in of warp knitted fabrics.
BS 5722	Specification for flammability performance of fabrics and fabric assemblies used in sleepwear and dressing gowns
BS 8479	Textiles - Method for determination of the propensity of fabrics to snagging. Rotating chamber method
BS EN 1049-2	Textiles - Woven fabrics. Construction. Methods of analysis. Determination of number of threads per unit length

BS EN 1103	Textiles. Fabrics for apparel. Detailed procedure to determine the burning behaviour
BS EN 14682	Safety of children's clothing. Cords and drawstrings on children's clothing. Specifications
BS EN 14878	Textiles. Burning behaviour of childrens nightwear. Specification
BS EN 16732	Slide fasteners (zips). Specification
BS EN ISO 6941	Textile fabrics – Burning behaviour – Measurement of flame spread properties of vertically oriented specimens
BS EN ISO 12945-1	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method
BS EN ISO 12945-2	Textiles — Determination of fabric propensity to surface fuzzing and to pilling — Part 2: Modified Martindale method
BS EN ISO 12945-3	Textiles- Determination of the fabric propensity to surface pilling, fuzzing or matting — Part 3: Random tumble pilling method
BS EN ISO 12945-4	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 4: Assessment of pilling, fuzzing and matting by visual analysis
BS EN ISO 12947-1	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 1: Martindale abrasion testing apparatus
BS EN ISO 12947-2	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown
BS EN ISO 12947-3	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 3: Determination of mass loss
BS EN ISO 12947-4	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 4: Assessment of appearance change
BS EN ISO 12952-1	Textiles — Assessment of the ignitability of bedding items — Part 1: Ignition source: smouldering cigarette
BS EN ISO 13934-1	Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method
BS EN ISO 13934-2	Textiles — Tensile properties of fabrics — Part 2: Determination of maximum force using the grab method
BS EN ISO 13935-1	Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 1: Determination of maximum force to seam rupture using the strip method
BS EN ISO 13935-2	Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 2: Determination of maximum force to seam rupture using the grab method

BS EN ISO 13936-1	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 1: Fixed seam opening method
BS EN ISO 13936-2	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 2: Fixed load method
BS EN ISO 13937-1	Textiles — Tear properties of fabrics — Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)
BS EN ISO 13937-2	Textiles — Tear properties of fabrics — Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method)
BS EN ISO 13938-2	Textiles — Bursting properties of fabrics — Part 2: Pneumatic method for determination of bursting strength and bursting distension
BS EN ISO 20932-1	Textiles – Determination of the elasticity of fabrics – Part 1: Strip tests
BS EN ISO 20932-3	Textiles - Determination of the elasticity of fabrics Part 3: Narrow fabrics
CAN/CGSB-4.2No.27.5	Textile Test Methods Flame Resistance — 45º Angle Test — One-Second Flame Impingement
DIN EN ISO 12945-1	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method
DIN EN ISO 12945-2	Textiles — Determination of fabric propensity to surface fuzzing and to pilling — Part 2: Modified Martindale method
DIN EN ISO 12947-1	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 1: Martindale abrasion testing apparatus
DIN EN ISO 12947-2	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown
DIN EN ISO 12947-3	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 3: Determination of mass loss
DIN EN ISO 12947-4	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 4: Assessment of appearance change
DIN EN ISO 12952-1	Textiles — Assessment of the ignitability of bedding items — Part 1: Ignition source: smouldering cigarette
DIN EN ISO 13934-1	Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method
DIN EN ISO 13934-2	Textiles — Tensile properties of fabrics — Part 2: Determination of maximum force using the grab method
DIN EN ISO 13935-1	Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 1: Determination of maximum force to seam rupture using the strip method

DIN EN ISO 13935-2	Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 2: Determination of maximum force to seam rupture using the grab method
DIN EN ISO 13936-1	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 1: Fixed seam opening method
DIN EN ISO 13936-2	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 2: Fixed load method
DIN EN ISO 13937-1	Textiles — Tear properties of fabrics — Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)
DIN EN ISO 13937-2	Textiles — Tear properties of fabrics — Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method)
DIN EN ISO 13938-2	Textiles — Bursting properties of fabrics — Part 2: Pneumatic method for determination of bursting strength and bursting distension
DIN EN ISO 20932-3	Textiles - Determination of the elasticity of fabrics Part 3: Narrow fabrics
GB/T 4802-1	Determination of fabric propensity for fuzzing and pilling -- Part 1: Circular locus Method
IS 1969 (Part 1)	Textiles- Tensile Properties of Fabrics - Part 1 Determination of Maximum force and Elongation at Maximum Force Using the Strip Method
IS 1969 (Part 2)	Textiles - Tensile Properties of Fabrics - Determination of Maximum Force and Elongation at Maximum Force PART 2 GRAB METHOD
IS 6489 (Part 1)	Textiles -- Tear Properties of Fabrics, Part 1: Determination of Tear Force Using Ballistic Pendulum Method (Elmendorf)
IS 6489 (Part 2)	Textiles — Tear Properties of Fabrics Part 2 Determination of Tear Force of Trouser Shaped Test Specimens (Single Tear Method)
IS 12673 (Part 1)	Textiles -Determination of the Abrasion Resistance of Fabrics by the Martindale Method Part 1 Martindale Abrasion Testing Apparatus
IS 12673 (Part 2)	Textiles-Determination of the Abrasion Resistance of Fabrics by the Martindale Method - Part 2 Determination of Specimen Breakdown
IS 12673 (Part 3)	Textiles – Determination of the abrasion resistance of fabrics by the Martindale method Part 3 Determination of mass loss
IS 12673(Part 4)	Textiles -Determination of the Abrasion Resistance of Fabrics by the Martindale Method Part 4 Assessment of Appearance Change
IS 15589	Textiles fabrics - Burning behavious - Determination of ease of ignition of vertically oriented specimens
IS 15590	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens

IS ISO 13935 (Part 1)	Textiles — Seam Tensile Properties of Fabrics and Made-Up Textile Articles Part 1 Determination of Maximum Force to Seam Rupture Using the Strip Method
IS ISO 13935 (Part 2)	Textiles — Seam Tensile Properties of Fabrics and Made-Up Textile Articles Part 2 Determination of Maximum Force to Seam Rupture Using the Grab Method
IS ISO 13936 (Part 1)	Textiles - Determination of the Slippage Resistance of Yarns at a Seam in Woven Fabrics Part 1 Fixed Seam Opening Method
IS ISO 13936 (Part 2)	Textiles - Determination of the Slippage Resistance of Yarns at a Seam in Woven fabrics Part 2 Fixed Load Method
ISO 3801 (Method 5)	Textiles — Woven fabrics — Determination of mass per unit length and mass per unit area
ISO 6940	Textile fabrics. Burning behaviour. Determination of ease of ignition of vertically oriented specimens
ISO 6941	Textile fabrics — Burning behaviour — Measurement of flame spread properties of vertically oriented specimens
ISO 7211-2	Textiles — Woven fabrics — Construction — Methods of analysis — Part 2: Determination of number of threads per unit length
ISO 12945-1	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method
ISO 12945-2	Textiles — Determination of fabric propensity to surface fuzzing and to pilling — Part 2: Modified Martindale method
ISO 12945-3	Textiles- Determination of the fabric propensity to surface pilling, fuzzing or matting — Part 3: Random tumble pilling method
ISO 12945-4	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 4: Assessment of pilling, fuzzing and matting by visual analysis
ISO 12947-1	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 1: Martindale abrasion testing apparatus
ISO 12947-2	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown
ISO 12947-3	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 3: Determination of mass loss
ISO 12947-4	Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 4: Assessment of appearance change
ISO 12952-1	Textiles — Assessment of the ignitability of bedding items — Part 1: Ignition source: smouldering cigarette

ISO 13934-1	Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method
ISO 13934-2	Textiles — Tensile properties of fabrics — Part 2: Determination of maximum force using the grab method
ISO 13935-1	Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 1: Determination of maximum force to seam rupture using the strip method
ISO 13935-2	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 13936-1	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 1: Fixed seam opening method
ISO 13936-2	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 2: Fixed load method
ISO 13937-1	Textiles — Tear properties of fabrics — Part 1: Determination of tear force using ballistic pendulum method (Elmendorf)
ISO 13937-2	Textiles — Tear properties of fabrics — Part 2: Determination of tear force of trouser-shaped test specimens (Single tear method)
ISO 13938-2	Textiles — Bursting properties of fabrics — Part 2: Pneumatic method for determination of bursting strength and bursting distension
ISO 20932-1	Textiles – Determination of the elasticity of fabrics – Part 1: Strip tests
ISO 20932-3	Textiles - Determination of the elasticity of fabrics Part 3: Narrow fabrics
ISO 22775 (Method -2)	Test methods for accessories: Metallic accessories - Corrosion resistance
NF EN 14697 ANNEX B	Textiles. Terry towels and terry towel fabrics. Specifications and methods of test (ANNEX B)
SASO 183 (GS 1269)	Standard Test Method for End (Warp) and Pick (Filling) Count of Woven Fabrics
SASO 1938	Mass per unit area (Weight)
SASO 2139	Textiles. Tensile properties of fabrics Determination of maximum force and elongation at maximum force using the strip method
SASO ISO 12945-1	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method
SASO ISO 12945-2	Textiles — Determination of fabric propensity to surface fuzzing and to pilling Part 2: Modified Martindale method
SASO ISO 13936-1	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method

SASO ISO 13936-2	Textiles — Determination of the slippage resistance of yarns at a seam in woven fabrics — Part 2: Fixed load method
MECHANICAL **Matrix: Toys and similar product**	
16 CFR 1250	Safety Standard Mandating ASTM F963 for Toys
16 CFR 1262	Safety Standard for Magnets
16 CFR 1500.44	Method of determining extremely flammable and flammable solids
16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.
16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.
16 CFR 1500.51	Test methods for simulating use and abuse of toys and other articles intended for use by children 18 months of age or less
16 CFR 1500.52	Test methods for simulating use and abuse of toys and other articles intended for use by children over 18 but not over 36 months of age.
16 CFR 1500.53	Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age.
16 CFR 1501	Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts
16 CFR 1510	Requirements of rattles
16 CFR 1511	Requirements for Pacifiers
16 CFR 1610	Standard for the Flammability of Clothing Textiles
AS/NZS ISO 8124.1: 2019	Safety aspects related to mechanical and physical properties
ASTM F963: 2017	Standard Consumer Safety Specification for Toy Safety 4.1 Material Quality 4.2 Flammability 4.3 Toxicology 4.6 Small Objects 4.7 Accessible Edges 4.9 Accessible Points 4.14 Cords and Elastics in Toys 4.27 Stuffed and Beanbag-Type Toys 4.35 Pompoms 8.2 Testing for Hazardous Substance Content

	8.3 Method to Dissolve Soluble Matter 8.5 Normal Use Testing 8.6 Abuse Testing 8.8 Torque Tests for Removal of Components 8.9 Tension Test for Removal of Components 8.22 Test for Loops and Cords
IS 9873-1: 2019	SAFETY aspect related to mechanical and physical properties
IS 9873-2 :2017	Safety Of Toys Part 2 Flammability
MECHANICAL **Matrix: Leather and its products, footwear, and its materials**	
ASTM D1813	Standard Test Method for Measuring Thickness of Leather Test Specimens
ASTM D6182	Standard Test Method for Flexibility and Adhesion of Finish on Leather
BS 5131: 2.1	Methods of Test for Footwear and Footwear Materials - Part 2: Solings - Section 2.1 Ross Flexing Method for Cut Growth Resistance of Soling Materials
BS 5131: 4.8	Methods of Test for Footwear and Footwear Materials - Part 4: Other Components - Section 4.8 Resistance of Heels of Ladies' Shoes to Lateral Impact
BS 5131: 5.4	Methods of Test for Footwear and Footwear Materials - Part 5: Testing of Complete Footwear - Section 5.4 Sole Bond Peeling Strength
BS 5131: 5.9	Methods of Test for Footwear and Footwear Materials Part 5: Testing of Complete Footwear Section 5.9: Strength of Top Piece Attachment to Shoe Heels
BS 5131: 5.11	Methods of test for footwear and footwear materials. Testing of complete footwear Determination of the strength of buckle fastening assemblies
BS 5131: 5.13	Methods of test for footwear and footwear materials. Testing of complete footwear Measurement of the strength of stitched seams in upper and lining materials
BS EN 12785	Footwear. Test methods for whole shoe. Heel attachment
BS EN 13520	Footwear. Test methods for uppers, lining and insocks. Abrasion resistance
EN 12770	Test Methods for Outsoles - Abrasion Resistance
ISO 2589	Leather — Physical and mechanical tests — Determination of thickness
ISO 2781	Rubber, vulcanized or thermoplastic — Determination of density

ISO 3376	Leather — Physical and mechanical tests — Determination of tensile strength and percentage elongation
ISO 3377 (Part 1)	Leather — Physical and mechanical tests — Determination of tear load — Part 1: Single edge tear
ISO 3377 (Part 2)	Leather — Physical and mechanical tests — Determination of tear load — Part 2: Double edge tear
ISO 4649	Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device
ISO 5402 (Part 1)	Leather — Determination of flex resistance — Part 1: Flexometer method
ISO 5402 (Part 2)	Leather — Determination of flex resistance — Part 2: Vamp flex method
ISO 11644	Leather — Test for adhesion of finish
ISO 13287	Personal protective equipment — Footwear — Test method for slip resistance
ISO 16177	Footwear — Resistance to crack initiation and growth — Belt flex method
ISO 17694	Footwear — Test methods for uppers and lining — Flex resistance
ISO 17696	Footwear — Test methods for uppers, linings and insocks — Tear strength
ISO 17707	Footwear — Test methods for outsoles — Flex resistance
ISO 17708	Footwear — Test methods for whole shoe — Upper sole adhesion
ISO 19956	Footwear — Test methods for heels — Fatigue resistance
ISO 19958	Footwear — Test methods for heels and top pieces — Top piece retention strength
ISO 20344	Determination of resistance to hydrolysis of outsole
ISO 20344	Determination of tear strength of the upper, lining and/or tongue
ISO 20344	Determination of the tensile properties of the upper material
ISO 20344	Determination of outsole abrasion resistance
ISO 20344	Determination of footwear slip resistance
ISO 20344	Determination of upper/outsole and sole interlayer bond strength
ISO 20344	Determination of flexing resistance of outsole
ISO 20345	Determination of tear strength of the upper, lining and/or tongue
ISO 20345	Determination of the tensile properties of the upper material

ISO 20345	Determination of outsole abrasion resistance
ISO 20345	Determination of footwear slip resistance
ISO 20345	Determination of upper/outsole and sole interlayer bond strength
ISO 20345	Determination of flexing resistance of outsole
ISO 20346	Determination of tear strength of the upper, lining and/or tongue
ISO 20346	Determination of the tensile properties of the upper material
ISO 20346	Determination of outsole abrasion resistance
ISO 20346	Determination of footwear slip resistance
ISO 20346	Determination of upper/outsole and sole interlayer bond strength
ISO 20346	Determination of flexing resistance of outsole
ISO 23910	Leather — Physical and mechanical tests — Measurement of stitch tear resistance
SATRA TM 1	Thickness of leather and insole materials
SATRA TM 20	Lateral impact test for shoe heels
SATRA TM 21	Fatigue test for shoe heels
SATRA TM 25	Vamp flex test - resistance to creasing and cracking
SATRA TM 30	Tear strength - trouser leg method
SATRA TM 31	Abrasion Resistance - Martindale Method
SATRA TM 43	Tensile strength and extension at break of leather
SATRA TM 55	Flexing resistance of upper materials - Bally flexometer
SATRA TM 60	Ross flex test - resistance to cut growth on flexing
SATRA TM 92	Resistance of footwear to flexing
SATRA TM 108	Strength of top-piece attachment
SATRA TM 113	Measurement of the strength of attachment of heels to footwear and the backpart rigidity of such footwear
SATRA TM 117	Attachment strength of decorative bows
SATRA TM 118	Strength of sandal toe posts
SATRA TM 133	Resistance to crack initiation and growth - belt flex method
SATRA TM 134	Density of materials by volume displacement
SATRA TM 144	Friction (slip resistance) of footwear and floorings

SATRA TM 149	Strength of Eyelet Facings and Other Laced Fastenings
SATRA TM 150	Attachment strength of eyelets
SATRA TM 161	Bennewart flex test - resistance to cut growth on flexing
SATRA TM 162	Tear strength - Baumann method
SATRA TM 174	Abrasion resistance - rotating drum method
SATRA TM 411	Peel strength of footwear sole bonds
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: ZDHC Waste water**	
ASTM D7065	Standard Test Method for Determination of Nonylphenol, Bisphenol A, P-Tert -Octylphenol, Nonylphenol Monoethoxylate And Nonylphenol Diethoxylate In Environmental Waters By Gas Chromatography Mass Spectrometry. Alkyl phenol (AP) and Alkyl phenol Ethoxylates (APEOs): 1. Nonyl phenol 2. Octyl phenol 3. OPEO (Octylphenol ethoxylates) 4. NPEO (Nonylphenol ethoxylates) 5. Bisphenol A
ASTM D7574	Standard Test method for Determination of Bisphenol A in Environmental waters by LCMS. Miscellaneous Chemicals: 1. Bisphenol A
ASTM D7742	Standard Practice for Determination of Nonylphenol Polyethoxylates (NPnEO, 3 ≤ n ≤ 18) and Octylphenol Polyethoxylates (OPnEO, 2 ≤ n ≤ 12) in Water by Single Reaction Monitoring (SRM) Liquid Chromatography/ Tandem Mass Spectrometry (LC/MS/MS). Alkyl phenol (AP) and Alkyl phenol Ethoxylates (APEOs): 1. Nonyl phenol 2. Octyl phenol 3. OPEO (Octylphenol ethoxylates) 4. NP EO (Nonylphenol ethoxylates)
BS EN ISO 12673	Water quality — Gas chromatographic determination of some selected chlorophenols in water. Anti-microbials & Biocides: 1. O-Phenyl phenol 2. Triclosan 3. Permethrin Chlorophenols: 1. 2-chlorophenol 2. 2,3-dichlorophenol 3. 2,3,4-trichlorophenol

	4. 2,3,5-trichlorophenol 5. 2,3,6-trichlorophenol 6. 2,4-dichlorophenol 7. 2,4,5-trichlorophenol 8. 2,4,6-trichlorophenol 9. 2,5-dichlorophenol 10. 2,6-dichlorophenol 11. 3-chlorophenol 12. 3,4-Dichlorophenol 13. 3,4,5-trichlorophenol 14. 3,5 Dichlorophenol 15. 4-Chlorophenol 16. PentaChlorophenol 17. TetraChlorophenol Perfluorinated and Polyfluorinated Chemicals (PFCs): 1. Perfluorooctane sulfonate (PFOS) and related substances 2. Perfluorooctanoic acid (PFOA) and related substances
DIN 38407-39.	German standard methods for the examination of water, waste water and sludge - Jointly determinable substances (group F) - Part 39: Determination of selected polycyclic aromatic hydrocarbons (PAH) - Method using gas chromatography with mass spectrometric detection (GC-MS). Polycyclic Aromatic Hydrocarbons (PAHs): 1. Acenaphthene 2. Acenaphthylene 3. Anthracene 4. Benzo[a]anthracene 5. Benzo[a]pyrene (BaP) 6. Benzo[b]fluoranthene 7. Benzo[e]pyrene 8. Benzo[ghi]perylene 9. Benzo[j]fluoranthene 10. Benzo[k]fluoranthene 11. Chrysene 12. Dibenz[a,h]anthracene 13. Fluoranthene 14. Fluorene 15. Indeno [1,2,3-cd] pyrene 16. Naphthalene 17. Phenanthrene 18. Pyrene
DIN 54231	Determination of dyes after methanol extraction. Dyes - Allergenic Disperse Dye: (matrix: ZDHC waste water, Sludge/ MRSL, Textile, Leather) Carcinogenic Dyes: 1. Basic violet 3 with >0.1% of Michler´s Ketone 2. Acid Red 26 3. Acid Violet 49 4. Basic Blue 26 (with Michler's Ketone > 0.1%)

	5. Basic Green 4 (Malachite Green Chloride) 6. Basic Green 4 (Malachite Green Oxalate) 7. Basic Green 4 (Malachite Green) 8. Basic Red 9 9. Basic Violet 14 10. Direct Black 38 11. Direct Blue 6 12. Direct Red 28 13. Disperse Blue 1 14. Disperse Blue 3 15. Disperse Orange 11 16. Basic red 9 17. Basic Violet 49 18. Acid Red 114 19. Basic red 46 20. Basic Violet 1 21. Direct Brown 95 Disperse dyes: 22. Disperse Blue 102 23. Disperse Blue 106 24. Disperse Blue 124 25. Disperse Blue 26 26. Disperse Blue 35(12222-75-2) 27. Disperse Blue 35 (56524-77-7) 28. Disperse Blue 7 29. Disperse Brown 1 30. Disperse Orange 1 31. Disperse Orange 3 32. Disperse Orange 37/59/76 33. Disperse Orange 149 34. Disperse Orange 61 35. Disperse Red 1 36. Disperse Red 11 37. Disperse Red 17 38. Disperse Yellow 1 39. Disperse Yellow 3 40. Disperse Yellow 39 41. Disperse Yellow 49 42. Disperse Yellow 9 43. Disperse Yellow 23 44. Solvent blue 2 45. Solvent blue 4 46. Solvent Yellow 1 47. Solvent Yellow 3 48. Navy blue Component 1: C39H23Cl-CrN7O12S 2Na 49. Navy blue Component 2: C46H-30CrN10O20S2 3Na Miscellaneous Chemicals: 1. AEEA-[2-(2-aminoethylamino) ethanol] 2. Thiourea 3. Quinoline 4. D4 (Octamethylcyclotetrasiloxane)

	5. D5 (Decamethylcyclope ntasiloxane) 6. D6 (Dodecamethylcyclo hexasiloxane) 7. Diazene-1,2-dicarboxa mide [C,C`-azodi (formamide)] (ADCA) 8. Titanium Dioxide 9. Auramine hydrochloride 10. Dimethylformamide (DMFa) 11. Dimethylacetamide (DMAC) 12. N-Methyl-2-pyrrolidone (NMP)
EN ISO 18856	Water quality-Determination of selected Phthalates using Gas chromatography/ mass spectrometry. Phthalates: 1. 1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP) 2. 1,2-benzenedicarboxylic acid, di-C7-11 branched and liearalkyl esters (DHNUP) 3. Bis(2-methoxyethyl) phthalate (DMEP) 4. Butyl benzyl phthalate (BBP) 5. Di-cyclohexyl phthalate (DCHP) 6. Di-iso-decyl phthalate (DIDP) 7. Di-iso-octyl phthalate (DIOP) 8. Di-isobutyl phthalate (DIBP) 9. Di-isononyl phthalate (DINP) 10. Di-n-hexyl phthalate (DnHP) 11. Di-n-octyl phthalate (DNOP) 12. Di-n-pentylphthalates 13. Di-n-propyl phthalate (DPRP) 14. Di(ethylhexyl) phthalate (DEHP) 15. Dibutyl phthalate (DBP) 16. Diethyl phthalate (DEP) 17. Diisopentylphthalates 18. Dinonyl phthalate (DNP)
EPA 537	Determination of Selected Perfluorinated Alkyl Acids In Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry. Perfluorinated and Polyfluorinated Chemicals (PFCs): 1. Perfluorooctane sulfonate (PFOS) and related substances 2. Perfluorooctanoic acid (PFOA) and related substances
EPA 3510	Separatory Funnel Liquid-Liquid Extraction. Chlorinated Parafins: 1. Medium-chain Chlorinated paraffins (MCCPs) (C14-C17) 2. Short-chain Chlorinated paraffin (C10 – C13)
IS 3025-49	Methods of sampling and test (physical and chemical) for water and wastewater, Part 49: Zinc [CHD 32: Environmental Protection and Waste Management. Miscellaneous Chemicals: 1. Borate, zinc salt 2. Perboric acid, sodium salt
IS 3025-52	Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater, Part 52: Chromium.

IS 3025-65	Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) —Determination of selected elements including Uranium Isotopes. Miscellaneous Chemicals: 1. Borate, zinc salt Total Heavy metals: 1. Antimony 2. Chromium (VI) 3. Barium 4. Selenium 5. Tin 6. Arsenic 7. Chromium 8. Cobalt 9. Cadmium 10. Copper 11. Lead 12. Mercury 13. Nickel 14. Silver 15. Zinc
ISO 11423-1	Water quality — Determination of benzene and some derivatives — Part 1: Head-space gas chromatographic method. Volatile Organic Compounds (VOC): 1. Benzene 2. m-cresol 3. o-cresol 4. p-cresol 5. Xylene 6. Toluene
ISO 12010	Water quality — Determination of short-chain polychlorinated alkanes (SCCP) in water — Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI). Chlorinated Parafins: 1. Medium-chain Chlorinated paraffins (MCCPs) (C14-C17) 2. Short-chain Chlorinated paraffin (C10 – C13)
ISO 14154	Soil quality — Determination of some selected chlorophenols — Gas-chromatographic method with electron-capture detection. Anti-microbials & Biocides: 1. O-Phenyl phenol 2. Triclosan 3. Permethrin
ISO 14362-1	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. Restricted Aromatic Amines (Cleavable from Azo-colourants): (Matrix: ZDHC Waste water, MRSL, Textile) 1. 2-naphthylamine

	2. 2-Naphthylammoniumacetate 3. 2,4-xylidine 4. 2,4,5-trimethylaniline 5. 2,4,5-trimethylaniline hydrochloride 6. 2,6-xylidine 7. 3,3'-dichlorobenzidine 8. 3,3-dimethoxylbenzidine 9. 3,3-dimethylbenzidine 10. 4-aminodiphenyl 11. 4-chloro-o-toluidine 12. 4-chloro-o-toluidinium chloride 13. 4-chloroaniline 14. 4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate 15. 4-methoxy-m-phenylenediamine 16. 4-methyl-m-phenylenediamine 17. 4,4-methylenebis-(2-chloro-aniline) 18. 4,4-methylenedi-o-toluidine 19. 4,4-methylenedianiline 20. 4,4-oxydianiline 21. 4,4-thiodianiline 22. 5-nitro-o-toluidine 23. 6-methoxy-m-toluidine 24. Benzidine 25. o-aminoazotoluene 26. o-anisidine 27. o-toluidine Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
ISO 14362-3	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. (Matrix: ZDHC Waste warer, MRSL, Textile) Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
ISO 17294	Water quality — Application of inductively coupled plasma mass spectrometry (ICP-MS) — Part 2: Determination of selected elements including uranium isotopes Miscellaneous Chemicals: 1. AEEA-[2-(2-aminoethylamino) ethanol] 2. Bisphenol A 3. Thiourea 4. Quinoline 5. Borate, zinc salt
ISO 17294	Water quality — Application of inductively coupled plasma mass spectrometry (ICP-MS) — Part 2: Determination of selected elements including uranium isotopes. Total Heavy metals:

	1. Antimony 2. Chromium (VI) 3. Barium 4. Selenium 5. Tin 6. Arsenic 7. Chromium 8. Cobalt 9. Cadmium 10. Copper 11. Lead 12. Mercury 13. Nickel 14. Silver 15. Zinc
ISO 17353	Water quality — Determination of selected organotin compounds — Gas chromatographic method: Organotin Compounds: 1. Dipropyltin compounds (DPT) 2. Mono, di and tri-butyltin derivatives 3. Mono-, di- and tri-methyltin derivatives 4. Mono-, di- and tri-octyltin derivatives 5. Mono-, di- and tri-phenyltin derivatives 6. Tetrabutyltin compounds (TeBT) 7. Tetraethyltin Compounds (TeET) 8. Tetraoctyltin compounds (TeOT) 9. Tricyclohexyltin (TCyHT) 10. Tripropyltin Compounds (TPT)
ISO 18219-2	Leather — Determination of chlorinated hydrocarbons in leather — Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs). Chlorinated Parafins: (Matrix:ZDHC Waste water, Leather, Textile) 1. Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)
ISO 18412	Water quality — Determination of chromium (VI) — Photometric method for weakly contaminated water.
ISO 18857-2	Water quality — Determination of selected alkylphenols -Part 2: Gas chromatographic-mass spectrometric determination of alkylphenols, their ethoxylates and bisphenol A in non-filtered samples following solid-phase extraction and derivatisation. Alkyl phenol (AP) and Alkyl phenol Ethoxylates (APEOs): 1. Nonyl phenol 2. Octyl phenol 3. OPEO (Octylphenol ethoxylates) 4. NPEO (Nonylphenol ethoxylates) 5. Bisphenol A
ISO 20595	Water quality — Determination of selected highly volatile organic compounds in water — Method using gas chromatography and mass

	spectrometry by static headspace technique (HS-GC-MS). Volatile Organic Compounds (VOC): 1. Benzene 2. m-cresol 3. o-cresol 4. p-cresol 5. Xylene 6. Toluene
ISO 22032	Water quality — Determination of selected polybrominated diphenyl ethers in sediment and sewage sludge — Method using extraction and gas chromatography/mass spectrometry. Flame Retardants: 1. 2,2-bis(bromomethyl)- 1,3-propanediol (BBMP) 2. Bis(2,3-dibromopropyl) phosphate (BIS) 3. Decabromodiphenyl ether (DecaBDE) 4. Hexabromocyclodecane (HBCDD) 5. Octabromodiphenyl ether (OctaBDE) 6. Pentabromodiphenyl ether (PentaBDE) 7. Polybromobiphenyls (PBB) 8. Tetrabromobisphenol A (TBBPA) 9. Tris-(2-chloro-1-methylethyl) phosphate (TCPP) 10. Tris(1-aziridinyl)phosphine oxide) (TEPA) 11. Tris(1,3-dichloro-isopropyl) phosphate (TDCP) 12. Tris(2-chloroethyl) phosphate (TCEP) 13. Tris(2,3,-dibromopropyl)- phosphate (TRIS) 14. Decabromobiphenyl (DecaBB) 15. Dibromobiphenyls (DiBB) 16. Octabromobiphenyls (OctaBB) 17. Dibromopropylether 18. Heptabromodiphenyl ether (HeptaBDE) 19. Hexabromodiphenyl ether (HexaBDE) 20. Monobromobiphenyls (MonoBB) 21. Monobromodiphenylethers (MonoBDEs) 22. Nonabromobiphenyls (NonaBB) 23. Nonabromodiphenyl ether (NonaBDE) 24. Tetrabromodiphenyl ether (TetraBDE) 25. Tribromodiphenylethers (TriBDEs) 26. Boric acid 27. Diboron trioxide 28. Disodium octaborate 29. Disodium tetraborate anhydrous 30. Tetraboron disodium heptaoxide, hydrate
ISO 22032	ISO 22032: Water quality — Determination of selected polybrominated diphenyl ethers in sediment and sewage sludge — Method using extraction and gas chromatography/mass spectrometry. UV Absorbers: 1. 2-(2H-benzotriazol-2-yl)- -4- (tert-butyl)-6-(sec- butyl) phenol (UV-350) 2. 2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328) 3. 2-benzotriazol-2-yl-4,6-di-tert-butyl phenol (UV-320)

	4. 2,4-Di-tert-butyl-6-(5- chlorobenzotriazole-2-yl) phenol (UV-327)
US EPA 200.8	Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry. Total Heavy metals: 1. Antimony 2. Chromium (VI) 3. Barium 4. Selenium 5. Tin 6. Arsenic 7. Chromium 8. Cobalt 9. Cadmium 10. Copper 11. Lead 12. Mercury 13. Nickel 14. Silver 15. Zinc
US EPA 218.6	Determination of Dissolved Hexavalent Chromium in Drinking Water, Groundwater, and Industrial Wastewater Effluents by Ion Chromatography.
US EPA 527	Determination of Selected Pesticides and Flame Retardants in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/ Mass Spectrometry (GC/MS). Flame Retardants: 1. 2,2-bis(bromomethyl)- 1,3-propanediol (BBMP) 2. Bis(2,3-dibromopropyl) phosphate (BIS) 3. Decabromodiphenyl ether (DecaBDE) 4. Hexabromocyclodecane (HBCDD) 5. Octabromodiphenyl ether (OctaBDE) 6. Pentabromodiphenyl ether (PentaBDE) 7. Polybromobiphenyls (PBB) 8. Tetrabromobisphenol A (TBBPA) 9. Tris-(2-chloro-1-methylethyl) phosphate (TCPP) 10. Tris(1-aziridinyl)phosphine oxide) (TEPA) 11. Tris(1,3-dichloro-isopropyl) phosphate (TDCP) 12. Tris(2-chloroethyl) phosphate (TCEP) 13. Tris(2,3,-dibromopropyl)- phosphate (TRIS) 14. Decabromobiphenyl (DecaBB) 15. Dibromobiphenyls (DiBB) 16. Octabromobiphenyls (OctaBB) 17. Dibromopropylether 18. Heptabromodiphenyl ether (HeptaBDE) 19. Hexabromodiphenyl ether (HexaBDE) 20. Monobromobiphenyls (MonoBB) 21. Monobromodiphenylethers (MonoBDEs) 22. Nonabromobiphenyls (NonaBB) 23. Nonabromodiphenyl ether (NonaBDE) 24. Tetrabromodiphenyl ether (TetraBDE)

	25. Tribromodiphenylethers (TriBDEs) 26. Boric acid 27. Diboron trioxide 28. Disodium octaborate 29. Disodium tetraborate anhydrous 30. Tetraboron disodium heptaoxide, hydrate UV Absorbers: 1. 2-(2H-benzotriazol-2-yl)- -4- (tert-butyl)-6-(sec- butyl) phenol (UV-350) 2. 2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328) 3. 2-benzotriazol-2-yl-4,6-di-tert-butyl phenol (UV-320) 4. 2,4-Di-tert-butyl-6-(5- chlorobenzotriazole-2-yl) phenol (UV-327)
US EPA 6010 C	Inductively Coupled Plasma-Atomic Emission Spectrometry. Total Heavy metals: 1. Antimony 2. Chromium (VI) 3. Barium 4. Selenium 5. Tin 6. Arsenic 7. Chromium 8. Cobalt 9. Cadmium 10. Copper 11. Lead 12. Mercury 13. Nickel 14. Silver 15. Zinc
US EPA 8015	Nonhalogenated Organics Using GC/FID. Dimethylformamide: 1. N,N-dimethylformamide (DMFa)
US EPA 8260D	Volatile Organic Compounds by Gas Chromatography-Mass Spectrometry (GC/MS). Chlorobenzenes and Chlorotoluene's: (Matrix: ZDHC Waste water, Leather, Textile) 1. 1,2-dichlorobenzene 2. mono-, di-, tri-, tetra-, penta- and hexa- Chlorobenzene 3. mono-, di-, tri-, tetra- and penta- chlorotoluene Volatile Organic Compounds (VOC): 1. Benzene 2. m-cresol 3. o-cresol 4. p-cresol 5. Xylene (meta, ortho, para) 6. Toluene 7. Carbon disulfide

	8. Carbon tetra chloride 9. Chloroform 10. Cyclohexanone 11. 1,2-Dichloroethane 12. 1,1-Dichloroethylene 13. Ethylbenzene 14. Penta chloroethane 15. 1,1,1,2- Tetrachloroethane 16. 1,1,2,2- Tetrachloroethane 17. Tetrachloroethylene (PERC) 18. 1,1,1- Trichloroethane 19. 1,1,2- Trichloroethane 20. Trichloroethylene
US EPA 8270 E	Semi volatile organic compounds Gas Chromatography/Mass Spectrometry (GC-MS). Anti-microbials & Biocides: 1. O-Phenyl phenol 2. Triclosan 3. Permethrin Chlorobenzenes and Chlorotoluene's: **(Matrix: ZDHC Waste water & Sludge)** 1. 1,2-dichlorobenzene 2. mono-, di-, tri-, tetra-, penta- and hexa- Chlorobenzene 3. mono-, di-, tri-, tetra- and penta- chlorotoluene Chlorophenols: 1. 2-chlorophenol 2. 2,3-dichlorophenol 3. 2,3,4-trichlorophenol 4. 2,3,5-trichlorophenol 5. 2,3,6-trichlorophenol 6. 2,4-dichlorophenol 7. 2,4,5-trichlorophenol 8. 2,4,6-trichlorophenol 9. 2,5-dichlorophenol 10. 2,6-dichlorophenol 11. 3-chlorophenol 12. 3,4-Dichlorophenol 13. 3,4,5-trichlorophenol 14. 3,5 Dichlorophenol 15. 4-Chlorophenol 16. PentaChlorophenol 17. TetraChlorophenol N,N-dimethylformamide: 1. N,N-dimethylformamide (DMFa) Flame Retardants: 1. 2,2-bis(bromomethyl)- 1,3-propanediol (BBMP) 2. Bis(2,3-dibromopropyl) phosphate (BIS)

US EPA 8270 E (cont'd.)	3. Hexabromobiphenyl ether (DecaBDE) 4. Hexabromocyclodecane (HBCDD) 5. Octabromodiphenyl ether (OctaBDE) 6. Pentabromodiphenyl ether (PentaBDE) 7. Polybromobiphenyls (PBB) 8. Tetrabromobisphenol A (TBBPA) 9. Tris-(2-chloro-1-methylethyl) phosphate (TCPP) 10. Tris(1-aziridinyl)phosphine oxide) (TEPA) 11. Tris(1,3-dichloro-isopropyl) phosphate (TDCP) 12. Tris(2-chloroethyl) phosphate (TCEP) 13. Tris(2,3,-dibromopropyl)- phosphate (TRIS) 14. Decabromobiphenyl (DecaBB) 15. Dibromobiphenyls (DiBB) 16. Octabromobiphenyls (OctaBB) 17. Dibromopropylether 18. Heptabromodiphenyl ether (HeptaBDE) 19. Hexabromodiphenyl ether (HexaBDE) 20. Monobromobiphenyls (MonoBB) 21. Monobromodiphenylethers (MonoBDEs) 22. Nonabromobiphenyls (NonaBB) 23. Nonabromodiphenyl ether (NonaBDE) 24. Tetrabromodiphenyl ether (TetraBDE) 25. Tribromodiphenylethers (TriBDEs) 26. Boric acid 27. Diboron trioxide 28. Disodium octaborate 29. Disodium tetraborate anhydrous 30. Tetraboron disodium heptaoxide, hydrate Glycols / Glycol Ethers: **(Matrix: ZDHC Waste water & MRSL)** 1. 2-ethoxyethanol 2. 2-ethoxyethyl acetate 3. 2-methoxyethanol 4. 2-methoxyethylacetate 5. 2-methoxypropylacetate 6. Bis(2-methoxyethyl)-ether 7. Ethylene glycol dimethyl ether 8. Triethylene glycol dimethyl ether Perfluorinated and Polyfluorinated Chemicals (PFCs): 1. Perfluorooctane sulfonate (PFOS) and related substances 2. Perfluorooctanoic acid (PFOA) and related substances Phthalates: 1. 1,2-benzenedicarboxylic acid, di-C6-8 branched and linear alkyl esters, C7-rich (DIHP) 2. 1,2-benzenedicarboxylic acid, di-C7-11 branched and liearalkyl esters (DHNUP) 3. Bis(2-methoxyethyl) phthalate (DMEP) 4. Butyl benzyl phthalate (BBP) 5. Di-cyclohexyl phthalate (DCHP)

US EPA 8270 E (cont'd.)	6. Di-iso-decyl phthalate (DIDP) 7. Di-iso-octyl phthalate (DIOP) 8. Di-isobutyl phthalate (DIBP) 9. Di-isononyl phthalate (DINP) 10. Di-n-hexyl phthalate (DnHP) 11. Di-n-octyl phthalate (DNOP) 12. Di-n-pentylphthalates 13. Di-n-propyl phthalate (DPRP) 14. Di(ethylhexyl) phthalate (DEHP) 15. Dibutyl phthalate (DBP) 16. Diethyl phthalate (DEP) 17. Diisopentylphthalates 18. Dinonyl phthalate (DNP) Polycyclic Aromatic Hydrocarbons (PAHs): **(Matrix: ZDHC Waste water & Sludge)** 1. Acenaphthene 2. Acenaphthylene 3. Anthracene 4. Benzo[a]anthracene 5. Benzo[a]pyrene (BaP) 6. Benzo[b]fluoranthene 7. Benzo[e]pyrene 8. Benzo[ghi]perylene 9. Benzo[j]fluoranthene 10. Benzo[k]fluoranthene 11. Chrysene 12. Dibenz[a,h]anthracene 13. Fluoranthene 14. Fluorene 15. Indeno [1,2,3-cd] pyrene 16. Naphthalene 17. Phenanthrene 18. Pyrene Restricted Aromatic Amines (Cleavable from Azo-colourants): 1. 2-naphthylamine 2. 2-Naphthylammoniumacetate 3. 2,4-xylidine 4. 2,4,5-trimethylaniline 5. 2,4,5-trimethylaniline hydrochloride 6. 2,6-xylidine 7. 3,3'-dichlorobenzidine 8. 3,3-dimethoxylbenzidine 9. 3,3-dimethylbenzidine 10. 4-aminoazobenzene 11. 4-aminodiphenyl 12. 4-chloro-o-toluidine 13. 4-chloro-o-toluidinium chloride 14. 4-chloroaniline 15. 4-methoxy-m-phenylene diammonium sulphate; 2,4-diaminoanisole sulphate

US EPA 8270 E (cont'd.)	16. 4-methoxy-m-phenylenediamine 17. 4-methyl-m-phenylenediamine 18. 4,4-methylenebis-(2-chloro-aniline) 19. 4,4-methylenedi-o-toluidine 20. 4,4-methylenedianiline 21. 4,4-oxydianiline 22. 4,4-thiodianiline 23. 5-nitro-o-toluidine 24. 6-methoxy-m-toluidine 25. Benzidine 26. o-aminoazotoluene 27. o-anisidine 28. o-toluidine UV Absorbers: 1. 2-(2H-benzotriazol-2-yl)- -4- (tert-butyl)-6-(sec- butyl) phenol (UV-350) 2. 2-(2H-benzotriazol-2-yl)-4,6- ditertpentylphenol (UV-328) 3. 2-benzotriazol-2-yl-4,6-di-tert-butyl phenol (UV-320) 4. 2,4-Di-tert-butyl-6-(5- chlorobenzotriazole-2-yl) phenol (UV-327)
US EPA 8321B	Solvent-Extractable Nonvolatile Compounds by High-Performance Liquid Chromatography/Thermospray/Mass Spectrometry (Hplc/Ts/Ms) or Ultraviolet (UV) Detection. Flame Retardants: 1. 2,2-bis(bromomethyl)- 1,3-propanediol (BBMP) 2. Bis(2,3-dibromopropyl) phosphate (BIS) 3. Decabromodiphenyl ether (DecaBDE) 4. Hexabromocyclodecane (HBCDD) 5. Octabromodiphenyl ether (OctaBDE) 6. Pentabromodiphenyl ether (PentaBDE) 7. Polybromobiphenyls (PBB) 8. Tetrabromobisphenol A (TBBPA) 9. Tris-(2-chloro-1-methylethyl) phosphate (TCPP) 10. Tris(1-aziridinyl)phosphine oxide) (TEPA) 11. Tris(1,3-dichloro-isopropyl) phosphate (TDCP) 12. Tris(2-chloroethyl) phosphate (TCEP) 13. Tris(2,3,-dibromopropyl)- phosphate (TRIS) 14. Decabromobiphenyl (DecaBB) 15. Dibromobiphenyls (DiBB) 16. Octabromobiphenyls (OctaBB) 17. Dibromopropylether 18. Heptabromodiphenyl ether (HeptaBDE) 19. Hexabromodiphenyl ether (HexaBDE) 20. Monobromobiphenyls (MonoBB) 21. Monobromodiphenylethers (MonoBDEs) 22. Nonabromobiphenyls (NonaBB) 23. Nonabromodiphenyl ether (NonaBDE) 24. Tetrabromodiphenyl ether (TetraBDE) 25. Tribromodiphenylethers (TriBDEs) 26. Boric acid 27. Diboron trioxide

	28. Disodium octaborate 29. Disodium tetraborate anhydrous 30. Tetraboron disodium heptaoxide, hydrate
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: ZDHC Sludge**	
EPA 3051a	Microwave Assisted Acid Digestion of Sediments, Sludges, and Oils Total Heavy metals: 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Cobalt 6. Copper 7. Lead 8. Nickel 9. Selenium 10. Silver 11. Chromium 12. Zinc 13. Chromium (VI) 14. Mercury
EPA 6020 B	Inductively Coupled Plasma - Mass Spectrometry Total Heavy metals: 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Cobalt 6. Copper 7. Lead 8. Nickel 9. Selenium 10. Silver 11. Chromium 12. Zinc 13. Chromium (VI) 14. Mercury
ISO 18254-1	Textiles — Method for the detection and determination of alkylphenol ethoxylates (APEO) — Part 1: Method using HPLC-MS. Matrix: (ZDHC Sludge, MRSL, Textile, Leather) 1. OPEO (Octylphenol ethoxylates) 2. NPEO (Nonylphenol ethoxylates) 3. Nonyl phenol 4. Octyl phenol 5. 4-tert-Pentyphenol 6. 4-Heptylphenol, branched and linear (4-HPbl) 7. Pentylphenol

US EPA 3050	Acid Digestion Of Sediments, Sludges, and Soils. Total Heavy metals: 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Cobalt 6. Copper 7. Lead 8. Nickel 9. Selenium 10. Silver 11. Chromium 12. Zinc 13. Chromium (VI) 14. Mercury
US EPA 3060A	Alkaline Digestion for Hexavalent Chromium Total Heavy metals: 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Cobalt 6. Copper 7. Lead 8. Nickel 9. Selenium 10. Silver 11. Chromium 12. Zinc 13. Chromium (VI) 14. Mercury
US EPA 3550	Extracting nonvolatile and semi volatile organic compounds from solids such as soils, sludges, and wastes. Alkyl phenol (AP) and Alkyl phenol Ethoxylates (APEOs): 1. OPEO (Octylphenol ethoxylates) 2. NPEO (Nonylphenol ethoxylates) 3. Nonyl phenol 4. Octyl phenol
US EPA 3550	Extracting nonvolatile and semi volatile organic compounds from solids such as soils, sludges, and wastes. Polycyclic Aromatic Hydrocarbons (PAHs): 1. Acenaphthene 2. Acenaphthylene 3. Anthracene 4. Benzo[a]anthracene 5. Benzo[a]pyrene (BaP) 6. Benzo[b]fluoranthene

	7. Benzo[e]pyrene 8. Benzo[ghi] perylene 9. Benzo[j]fluoranthene 10. Benzo[k]fluoranthene 11. Chrysene 12. Dibenz[a,h]anthracene 13. Fluoranthene 14. Fluorene 15. Indeno [1,2,3-cd] pyrene 16. Naphthalene 17. Phenanthrene 18. Pyrene Chlorotoluene's: 1. mono-, di-, tri-, tetra- and penta- chlorotoluene
US EPA 7196	Chromium, Hexavalent (Colorimetric) Total Heavy metals: 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Cobalt 6. Copper 7. Lead 8. Nickel 9. Selenium 10. Silver 11. Chromium 12. Zinc 13. Chromium (VI) 14. Mercury
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: ZDHC MRSL**	
EN 16711-2	Textiles - Determination of metal content - Part 2: Determination of metals extracted by acidic artificial perspiration solution. Heavy Metals: (Matrix: ZDHC MRSL, Textile) 1. Arsenic (As) 2. Barium (Ba) 3. Cadmium (Cd) 4. Chromium (Cr) 5. Chromium (VI) 6. Cobalt (Co) 7. Copper (Cu) 8. Lead (Pb) 9. Mercury (Hg) 10. Nickel (Ni) 11. Selenium (Se)

	12. Silver (Ag) 13. Tin (Sn) Exclusion: AAS, ICP-OESCold Vapour AAS are not used. ICP-MS is used for 9 HMS quantification
EN 17131	Textiles and textile products - Determination of dimethylformamide (DMF), method using gas chromatography. Halogenated Solvents: 1. Benzene 2. Cresol (all isomers) o-Cresol; m-Cresol; p-Cresol 3. N,N dimethylacetamide (DMAC) 4. N,N Dimethylformamide (DMFa) 5. N-Ethyl-2 pyrrolidone (NEP) 6. N-Methyl-2-Pyrrolidone (NMP) 7. Toluene 8. Xylene (all isomers) o-Xylene, m-Xylene, p-Xylene 9. Bis (chloromethyl) ether
EN 17134	Determination of the content of the preservative agents (biocidal products) 2-phenylphenol (OPP) and triclosan in textile materials and articles composed of textile products, by liquid chromatography. Antimicrobial & Biocides: 1. Dimethylfumarate (DMFu) 2. O-Phenyl phenol 3. Triclosan 4. Permethrin
EN ISO 17070	Leather — Chemical tests — Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol, monochlorophenol-isomers and pentachlorophenol content. Chlorophenols: (Matrix: ZDHC MRSL, Leather & Textile) 1. 2,3,4,5-Tetrachlorophenol 2. 2,3,4,6-Tetrachlorophenol 3. 2,3,4-Trichlorophenol 4. 2,3,5,6-Tetrachlorophenol 5. 2,3,5- Trichlorophenol 6. 2,3,6- Trichlorophenol 7. 2,3- Dichlorophenol 8. 2,4,5- Trichlorophenol 9. 2,4,6- Trichlorophenol 10. 2,4- Dichlorophenol 11. 2,5- Dichlorophenol 12. 2,6- Dichlorophenol 13. 2 chlorophenol 14. 3,4,5 Trichlorophenol 15. 3,4- Dichlorophenol 16. 3,5- Dichlorophenol 17. 3 chlorophenol 18. 4 chlorophenol 19. Ortho phenyl phenol 20. Penta chloro phenol

EN ISO 17881-1	Textiles: Determination of certain flame retardants — Part 1: Brominated flame retardants Flame Retardants: 1. 2,2-Bis (bromomethyl) -1,3-propanediol (BBMP) 2. Bis (2,3-dibromopropyl) phosphate (BDBPP) 3. Boric acid 4. Decabromobiphenyl (DecaBB) 5. Decabromodiphenyl ether (DecaBDE) 6. Diboron trioxide 7. Dibromobiphenyls (DiBB) 8. Disodium octaborate 9. Disodium tetraborate, anhydrous 10. Heptabromodiphenyl ether (HeptaBDE) 11. Hexabromocyclodecane (HBCDD) 12. Hexabromodiphenyl ether (HexaBDE) 13. Monobromobiphenyls (MonoBB) 14. Monobromodiphenyl ether (MonoBDEs) 15. Nonabromobiphenyls (NonaBB) 16. Nonabromodiphenyl ether (NonaBDE) 17. Octabromobiphenyls (OctaBB) 18. Octabromodiphenyl ether (OctaBDE) 19. Pentabromodiphenyl ether (PentaBDE) 20. Tetraboron disodium heptaoxide, hydrate 21. Tetrabromobisphenol A (TBBPA) 22. Tetrabromobisphenol A bis (2,3-dibromopropyl ether) 23. Tetrabromodiphenyl ether (TetraBDE) 24. Tri-o-cresyl phosphate 25. Tribromodiphenyl ethers (TriBDEs) 26. Trimethyl phosphate 27. Tris (1-aziridinyl) phosphine oxide (TEPA) 28. Tris (1,3-dichloroisopropyl) phosphate (TDCP) 29. Tris (2-chloro-1-methylethyl) phosphate (TCPP) 30. Tris (2-chloroethyl) phosphate (TCEP) 31. Tris (2,3,-dibromopropyl) phosphate (TRIS) 32. Trixylyl phosphate (TXP)
EN ISO 17881-2	Textiles — Determination of certain flame retardants — Part 2: Phosphorus flame retardants Flame Retardants: 1. 2,2-Bis (bromomethyl) -1,3-propanediol (BBMP) 2. Bis (2,3-dibromopropyl) phosphate (BDBPP) 3. Boric acid 4. Decabromobiphenyl (DecaBB) 5. Decabromodiphenyl ether (DecaBDE) 6. Diboron trioxide 7. Dibromobiphenyls (DiBB) 8. Disodium octaborate 9. Disodium tetraborate, anhydrous 10. Heptabromodiphenyl ether (HeptaBDE) 11. Hexabromocyclodecane (HBCDD) 12. Hexabromodiphenyl ether (HexaBDE)

	13. Monobromobiphenyls (MonoBB) 14. Monobromodiphenyl ether (MonoBDEs) 15. Nonabromobiphenyls (NonaBB) 16. Nonabromodiphenyl ether (NonaBDE) 17. Octabromobiphenyls (OctaBB) 18. Octabromodiphenyl ether (OctaBDE) 19. Pentabromodiphenyl ether (PentaBDE) 20. Tetraboron disodium heptaoxide, hydrate 21. Tetrabromobisphenol A (TBBPA) 22. Tetrabromobisphenol A bis (2,3-dibromopropyl ether) 23. Tetrabromodiphenyl ether (TetraBDE) 24. Tri-o-cresyl phosphate 25. Tribromodiphenyl ethers (TriBDEs) 26. Trimethyl phosphate 27. Tris (1-aziridinyl) phosphine oxide (TEPA) 28. Tris (1,3-dichloroisopropyl) phosphate (TDCP) 29. Tris (2-chloro-1-methylethyl) phosphate (TCPP) 30. Tris (2-chloroethyl) phosphate (TCEP) 31. Tris (2,3-dibromopropyl) phosphate (TRIS) 32. Trixylyl phosphate (TXP)
ISO 13365-1	Leather - Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography — Part 1: Acetonitrile extraction method. Antimicrobial & Biocides: (Matrix: ZDHC MRSL & Leather) 1. Dimethylfumarate (DMFu) 2. O-Phenyl phenol 3. Triclosan 4. Permethrin 5. 2-(thiocyanometh benzothiazole (TCMTB) 6. 2-octylisothiazol- 3(2H)-one (OIT)
ISO 16186	Footwear — Critical substances potentially present in footwear and footwear components — Determination of dimethyl fumarate (DMFU) Antimicrobial & Biocides: (Matrix: ZDHC MRSL, Leather & Textile) 1. Dimethylfumarate (DMFu) 2. O-Phenyl phenol 3. Triclosan 4. Permethrin
ISO 16189	Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine dimethylformamide in footwear materials. Halogenated Solvents: 1. Benzene 2. Cresol (all isomers) o-Cresol; m-Cresol; p-Cresol 3. N,N dimethylacetamide (DMAC) 4. N,N Dimethylformamide (DMFa) 5. Toluene 6. Xylene (all isomers) o-Xylene, m-Xylene, p-Xylene 7. Bis (chloromethyl) ether
ISO 17072-1	Leather — Chemical determination of metal content — Part 1: Extractable metals

	Heavy Metals: (Matrix ZDHC MRSL & Leather) 1. Arsenic (As) 2. Barium (Ba) 3. Cadmium (Cd) 4. Chromium (Cr) 5. Chromium (VI) 6. Cobalt (Co) 7. Copper (Cu) 8. Lead (Pb) 9. Mercury (Hg) 10. Nickel (Ni) 11. Selenium (Se) 12. Silver (Ag) 13. Tin (Sn)
ISO 17072-2	Leather — Chemical determination of metal content — Part 2: Total metal content. Total Heavy Metals: (Matrix ZDHC MRSL & Leather) 1. Arsenic (As) 2. Barium (Ba) 3. Cadmium (Cd) 4. Chromium (Cr) 5. Chromium (VI) 6. Cobalt (Co) 7. Copper (Cu) 8. Lead (Pb) 9. Mercury (Hg) 10. Nickel (Ni) 11. Selenium (Se) 12. Silver (Ag) 13. Tin (Sn)
ISO 19070	Leather — Chemical determination of N-methyl-2-pyrrolidone (NMP) in leather Halogenated Solvents: 1. N-Ethyl-2 pyrrolidone (NEP) 2. N-Methyl-2-Pyrrolidone (NMP)
ISO 22992-1	Textiles — Determination of certain preservatives — Part 1: Determination of phenolic preservatives residues (method using LC-MS/MS). Antimicrobial & Biocides: 1. Dimethylfumarate (DMFu) 2. O-Phenyl phenol 3. Triclosan 4. Permethrin
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: Leather & Leather Products (Accessories & Auxiliaries)**	

EN 17681-1	Textiles and textile products - Organic fluorine - Part 1: Determination of non-volatile compounds by extraction method using liquid chromatography. Perfluorinated and Polyfluorinated Chemicals in Leather (PFAS): (Matrix Leather, Textile) 1. Perfluorobutane sulfonic acid (PFBS) 2. Perfluorohexane sulfonic acid (PFHxS) and its salts and related substances 3. Perfluorooctane sulfonic acid (PFOS) and related substances 4. Perfluorodecane sulfonic acid (PFDS) 5. Perfluorobutanoic acid (PFBA) 6. Perfluorohexanoic acid (PFHxA) and related substances 7. Perfluorooctanoic acid (PFOA) and its salts and related substances 8. Perfluorodecanoic acid (PFDA) 9. 4:2 Fluorotelomer alcohols (4:2 FTOH) 10. 6:2 Fluorotelomer alcohols (6:2 FTOH) 11. 8:2 Fluorotelomer alcohols (8:2 FTOH) 12. 10:2 Fluorotelomer alcohols (10:2 FTOH) 13. C9-C14 Perfluorocarboxylic acids (PFCAs) and their salts 14. C9-C14 PFCA-related substances 15. Perfluoroalkyl Carboxylic Acids (PFCAs): Perfluorohexanoic Acid (PFHxA, C6-PFCA) 16. Perfluorooctane iodide (PFOI) 17. PFHpA 18. PFHpS 19. H2PFDA 20. H4PFUnA
EN 17681-2	Textiles and textile products - Organic fluorine - Part 2: Determination of volatile compounds by extraction method using gas chromatography. Perfluorinated and Polyfluorinated Chemicals in Leather (PFAS): (Matrix: ZDHC MRSL, Leather, Textile) 1. Perfluorobutane sulfonic acid (PFBS) 2. Perfluorohexane sulfonic acid (PFHxS) and its salts and related substances 3. Perfluorooctane sulfonic acid (PFOS) and related substances 4. Perfluorodecane sulfonic acid (PFDS) 5. Perfluorobutanoic acid (PFBA) 6. Perfluorohexanoic acid (PFHxA) and related substances 7. Perfluorooctanoic acid (PFOA) and its salts and related substances 8. Perfluorodecanoic acid (PFDA) 9. 4:2 Fluorotelomer alcohols (4:2 FTOH) 10. 6:2 Fluorotelomer alcohols (6:2 FTOH) 11. 8:2 Fluorotelomer alcohols (8:2 FTOH) 12. 10:2 Fluorotelomer alcohols (10:2 FTOH) 13. C9-C14 Perfluorocarboxylic acids (PFCAs) and their salts 14. C9-C14 PFCA-related substances 15. Perfluoroalkyl Carboxylic Acids (PFCAs): Perfluorohexanoic Acid (PFHxA, C6-PFCA) 16. Perfluorooctane iodide (PFOI)

	17. PFHpA 18. PFHpS 19. H2PFDA 20. H4PFUnA
EN ISO 23702-1	Leather — Organic fluorine — Part 1: Determination of the non-volatile compound content by extraction method using liquid chromatography/tandem mass spectrometry detector (LC-MS/MS). Perfluorinated and Polyfluorinated Chemicals in Leather (PFAS): (Matrix Leather, Textile) 1. Perfluorobutane sulfonic acid (PFBS) 2. Perfluorohexane sulfonic acid (PFHxS) and its salts and related substances 3. Perfluorooctane sulfonic acid (PFOS) and related substances 4. Perfluorodecane sulfonic acid (PFDS) 5. Perfluorobutanoic acid (PFBA) 6. Perfluorohexanoic acid (PFHxA) and related substances 7. Perfluorooctanoic acid (PFOA) and its salts and related substances 8. Perfluorodecanoic acid (PFDA) 9. 4:2 Fluorotelomer alcohols (4:2 FTOH) 10. 6:2 Fluorotelomer alcohols (6:2 FTOH) 11. 8:2 Fluorotelomer alcohols (8:2 FTOH) 12. 10:2 Fluorotelomer alcohols (10:2 FTOH) 13. C9-C14 Perfluorocarboxylic acids (PFCAs) and their salts 14. C9-C14 PFCA-related substances 15. Perfluoroalkyl Carboxylic Acids (PFCAs): Perfluorohexanoic Acid (PFHxA, C6-PFCA) 16. Perfluorooctane iodide (PFOI) 17. PFHpA 18. PFHpS 19. H2PFDA 20. H4PFUnA
GB/T 19942	Leather and Fur – Chemical Tests -Determination of Banned Azo Colorant. 1. 2-Methoxyaniline (o-Anisidine) 2. 1, 4-Phenylenediamine 3. 2,4 Xylidine 4. 2,4,5- Trimethylaniline 5. 2,4-Diaminoanisole 6. 2,4-Toluylenediamine 7. 2,6 Xylidine 8. 2-Amino-4- nitrotoluene 9. 2-Naphthylamine 10. 3,3 Dichlorobenzidine 11. 3,3Dimethoxybenzidine 12. 3,3 Dimethyl- 4,4 diamino diphenyl methane 13. 3,3Dimethylbenzidine 14. 4,4 Diaminodiphenyl methane 15. 4,4 Methylene-bis- (2-Chloraniline) 16. 4,4- Oxydianiline

	17. 4,4- Thiodianiline 18. 4-Aminodiphenyl 19. 4-Chloro-o- Toluidine 20. Aniline 21. o-Aminoazotoluene 22. O-Toluidine 23. P- Chloroaniline 24. p-Cresidine 25. Benzidine Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
GB/T 33392	Leather and fur -- Chemical tests -- Determination of 4-aminoazobenzene derived from azo colorants Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
ISO 4045	Leather — Chemical tests — Determination of pH and difference figure
ISO 17075-1	Chemical Determination of chromium (VI) content in leather Part 1: Colorimetric method
ISO 17226-1	Chemical Determination of formaldehyde content in Leather Part 1: Method using high performance liquid chromatography
ISO 17226-2	Chemical Determination of formaldehyde content in Leather Part 2: Method using colorimetric analysis.
ISO 17234-1	Leather — Chemical tests for the determination of certain azo colourants in dyed leathers — Part 1: Determination of certain aromatic amines derived from azo colourants. 1. 2-Methoxyaniline (o-Anisidine) 2. 1, 4-Phenylenediamine 3. 2,4 Xylidine 4. 2,4,5- Trimethylaniline 5. 2,4-Diaminoanisole 6. 2,4-Toluylenediamine 7. 2,6 Xylidine 8. 2-Amino-4- nitrotoluene 9. 2-Naphthylamine 10. 3,3 Dichlorobenzidine 11. 3,3Dimethoxybenzidine 12. 3,3 Dimethyl- 4,4 diamino diphenyl methane 13. 3,3Dimethylbenzidine 14. 4,4 Diaminodiphenyl methane 15. 4,4 Methylene-bis- (2-Chloraniline) 16. 4,4- Oxydianiline 17. 4,4- Thiodianiline 18. 4-Aminodiphenyl 19. 4-Chloro-o- Toluidine 20. Aniline 21. o-Aminoazotoluene 22. O-Toluidine

	23. P- Chloroaniline 24. p-Cresidine 25. Benzidine Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
ISO 17234-2	Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 2: Determination of 4-aminoazobenzene Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
ISO 18218-1	Leather — Determination of ethoxylated alkylphenols — Part 1: Direct method 1. OPEO (Octylphenol ethoxylates) 2. NPEO (Nonylphenol ethoxylates) 3. Nonyl phenol 4. Octyl phenol 5. 4-tert-Pentyphenol 6. 4-Heptylphenol, branched and linear (4-HPbl) 7. Pentylphenol
ISO 18219-1	Leather — Determination of chlorinated hydrocarbons in leather — Part 1: Chromatographic method for short-chain chlorinated paraffins (SCCPs). Chlorinated Parafins: (Matrix: ZDHC Waste water, MRSL, Leather, Textile) 1. Short-chain Chlorinated paraffin (C10 – C13)
ISO/TS 16179	Footwear — Critical substances potentially present in footwear and footwear components — Determination of organotin compounds in footwear materials. Organotin: Matrix (ZDHC MRSL, Leather & Textile) 1. MONO OCTYL TIN 2. MONO METHYL TIN 3. DI BUTYL TIN 4. DI OCTYL TIN 5. Mono PHENYL TIN 6. DI PHENYL TIN 7. DI PROPYL TIN 8. MONO BUTYL TIN 9. TETRA BUTYL TIN 10. TETRA PROPYL TIN 11. Tri BUTYL TIN 12. Tri cyclo hexyl TIN 13. Di methyl TIN 14. Tri methyl TIN 15. Tri phenyl TIN 16. Tri octyl TIN 17. Tri Propyl TIN 18. Mono Propyl TIN 19. Tetra ethyl tin 20. Tetra octyl tin 21. Tricyclohexyl tin

ISO/TS 16181	Footwear — Critical substances potentially present in footwear and footwear components — Determination of phthalates in footwear materials. 1. Bis- (2-Methoxy Ethyl Phthalate) 2. Bis- 2-Ethyl Hexyl Phthlate 3. Butyl Benzyl Phthalate 4. Di butyl Phthalate 5. Di iso heptyl Phthalate (1,2-Benzenedicarboxylic acid, di C6-8-branched alkyl esters, C7 rich) 6. Di cyclo hexyl phthalate) 7. Di ethyl phthalate 8. Di iso decyl phthalate 9. Di iso nonyl phthalate 10. Di iso butyl phthalate 11. Di iso pentyl phthalate 12. Di methyl phthalate 13. Di -n-hexyl phthalate 14. Di -n-Pentyl phthalate 15. Di -n-Octtyl phthalate 16. Di -n-Propyl phthalate 17. Di Un decyl phthalate (1,2-Benzenedicarboxylic acid, di C7-11-branched and linear alkyl esters, (DHNUP) 18. 1,2-Benzenedicarboxylic acid, di hexyl ester, branched and linear 19. Di iso octyl phthalate 20. 1,2-Benzenedicarboxylic acid, di pentyl ester, branched and linear 21. Di iso hexyl phthalate 22. n-pentyl iso pentyl phthalate 23. 1,2-Benzenedicarboxylic acid, di C6-C10 alkyl esters or mixed decyl and hexyl and octyl diesters with >0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di C6-C10 alkyl esters
SNV 195651	Determination of the development of smells on finishing (sensory test) in Leather
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: Electrotechnical Products**	
IEC 62321-5	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS. 1. Lead 2. Cadmium 3. Chromium 4. Mercury
Metal Parts in Textile, Leather and Jewelry products	

ASTM F2923	Standard Specification for Consumer Product Safety for Children's Jewelry 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Lead 6. Mercury 7. Selenium 8. Chromium
BS EN 1811	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin
BS EN 12472	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items
CPSC-CH-E1004-11: 2011	Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children's Metal Jewelry
PDCR 12471	Screening tests for nickel release from alloys and coatings in items that come into direct and prolonged contact with the skin
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: Textiles, Carpet & Rugs, Terry Fabrics & its Products (Accessories)**	
16 CFR 1303:2018	Ban of Lead-Containing Paint And Certain Consumer Products Bearing Lead-Containing Paint Exclusion: AAS (including FLAA and GFAA), XRF, ICP-OES are not used. ICP-MS is used for Lead quantification
AATCC 81	Test Method for pH of the Water-Extract from Wet Processed Textiles
AATCC 112	Test Method for Formaldehyde Release from Fabric: Sealed Jar
AFPS GS:01 PAK	Testing and assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the awarding of GS Marks. (Matrix: ZDHC MRSL, Textile, Leather) 1. Dibenzo (a,h) anthracene 2. Acenaphthene 3. Acenaphthylene 4. Fluoranthene 5. Fluorene 6. Naphthalene 7. Anthracene 8. Benzo (a) anthracene 9. Benzo (g,h,i) perylene 10. Benzo(a)pyrene 11. Benzo(b)fluoranthene 12. Benzo(e)pyrene 13. Benzo(j)fluoranthene 14. Indeno (1,2,3- cd) pyrene 15. Phenanthrene 16. Pyrene

	17. Benzo (k) fluoranthene 18. Chrysene 19. 1 Methyl pyrene 20. Dibenzo (a,e) pyrene 21. Dibenzo (a,i) pyrene 22. Dibenzo (a,l) pyrene 23. Dibenzo (a,h) pyrene
BS EN ISO 3071	Textiles — Determination of pH of aqueous extract
CEN/TR 13695-1	Packaging - Requirements for measuring and verifying the four heavy metals and other dangerous substances present in packaging and their release into the environment - Part 1: Requirements for measuring and verifying the four heavy metals present in packaging. 1. Lead 2. Cadmium 3. Chromium 4. Mercury
CEN/TS 13130-13	Materials and articles in contact with foodstuffs - Plastics substances subject to limitation - Part 13: Determination of 2,2-bis(4-hydroxyphenyl) propane (Bisphenol A) in food simulants Bisphenols: 1. Bisphenol A 2. Bisphenol B 3. Bisphenol S 4. Bisphenol F 5. Bisphenol AF
CPSC-CH-C1001-09.4	Standard Operating Procedure for Determination of Phthalates. 1. Bis- (2-Methoxy Ethyl Phthalate) 2. Bis- 2-Ethyl Hexyl Phthlate 3. Butyl Benzyl Phthalate 4. Di butyl Phthalate 5. Di iso heptyl Phthalate (1,2-Benzenedicarboxylic acid, di C6-8-branched alkyl esters, C7 rich) 6. Di cyclo hexyl phthalate) 7. Di ethyl phthalate 8. Di iso decyl phthalate 9. Di iso nonyl phthalate 10. Di iso butyl phthalate 11. Di iso pentyl phthalate 12. Di methyl phthalate 13. Di -n-hexyl phthalate 14. Di -n-Octtyl phthalate 15. Di -n-Pentyl phthalate 16. Di -n-Propyl phthalate 17. Di Un decyl phthalate (1,2-Benzenedicarboxylic acid, di C7-11-branched and linear alkyl esters, (DHNUP) 18. 1,2-Benzenedicarboxylic acid, di hexyl ester, branched and linear 19. Di iso octyl phthalate 20. 1,2-Benzenedicarboxylic acid, di pentyl ester, branched and

	linear 21. Di iso hexyl phthalate 22. n-pentyl iso pentyl phthalate 23. 1,2-Benzenedicarboxylic acid, di C6-C10 alkyl esters or mixed decyl and hexyl and octyl diesters with >0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di C6-C10 alkyl esters
CPSC-CH-E1001-08.3:012	Standard Operating Procedure for Determining Total Lead (Pb) in childrens metal products (Including childrens metal jewelry) Exclusion: AAS (including FLAA and GFAA), XRF, ICP-OES are not used. ICP-MS is used for Lead quantification
CPSC-CH-E1002-08.3:2012	Standard Operating Procedure for Determining Total Lead (Pb) in Non metal childrens products Exclusion: AAS (including FLAA and GFAA), XRF, ICP-OES are not used. ICP-MS is used for Lead quantification
CPSC-CH-E1003-09.1:2011	Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings Exclusion: AAS (including FLAA and GFAA), XRF, ICP-OES are not used. ICP-MS is used for Lead quantification
DIN 50009	Textiles - Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol, monochlorophenol-isomers and pentachlorophenol content. (Matrix: ZDHC MRSL, Textile, Leather) 1. 2,3,4,5-Tetrachlorophenol 2. 2,3,4,6-Tetrachlorophenol 3. 2,3,4-Trichlorophenol 4. 2,3,5,6-Tetrachlorophenol 5. 2,3,5- Trichlorophenol 6. 2,3,6- Trichlorophenol 7. 2,3- Dichlorophenol 8. 2,4,5- Trichlorophenol 9. 2,4,6- Trichlorophenol 10. 2,4- Dichlorophenol 11. 2,5- Dichlorophenol 12. 2,6- Dichlorophenol 13. 2 chlorophenol 14. 3,4,5 Trichlorophenol 15. 3,4- Dichlorophenol 16. 3,5- Dichlorophenol 17. 3 chlorophenol 18. 4 chlorophenol 19. Ortho phenyl phenol 20. Pentachloro phenol
EN 1122	Plastics - Determination of cadmium - Wet decomposition method
EN 14372	Child use and care articles. Cutlery and feeding utensils. Safety requirements and tests

	1. Bis- 2-Ethyl Hexyl Phthlate 2. Butyl Benzyl Phthalate 3. Di butyl Phthalate 4. Di iso nonyl phthalate 5. Di iso butyl phthalate 6. Di -n-Octyl phthalate 7. Di iso decyl phthalate
EN 16711-1	EN 16711-1: Textiles - Determination of metal content - Part 1: Determination of metals using microwave digestion. Heavy metals: (Matrix: ZDHC MRSL, Textile) 1. Aluminium 2. Antimony 3. Arsenic 4. Barium 5. Boron 6. Cadmium 7. Chromium 8. Cobalt 9. Copper 10. Iron 11. Lead 12. Manganese 13. Mercury 14. Nickel 15. Selenium 16. Silver 17. Strontium 18. Tin 19. Zinc Exclusion: AAS, ICP-OESCold Vapour AAS are not used. ICP-MS is used for HMS quantification
EN 17131	Textiles and textile products - Determination of dimethylformamide (DMF), method using gas chromatography. Halogenated Solvents: (Matrix: ZDHC MRSL, Textile) 1. 1,2-dichloroethane 2. Methylene chloride 3. Tetrachloroethylene 4. Trichloroethylene 5. Benzylchloride 6. Benzene 7. Cresol (all isomers) o-Cresol; m-Cresol; p-Cresol 8. Toluene 9. Xylene (all isomers) o-Xylene, m-Xylene, p-Xylene 10. Bis (chloromethyl) ether Other Solvents: 11. Dimethylformamide (DMFa) 12. Dimethylacetamide (DMAC) 13. N-Methyl-2-pyrrolidone (NMP) 14. Quinoline

EN 17132	Textiles and textile products - Determination of Polycyclic Aromatic Hydrocarbons (PAH), method using gas chromatography. (Matrix: ZDHC MRSL, Textile) 1. Dibenzo (a,h) anthracene 2. Acenaphthene 3. Acenaphthylene 4. Fluoranthene 5. Fluorene 6. Naphthalene 7. Anthracene 8. Benzo (a) anthracene 9. Benzo (g,h,i) perylene 10. Benzo(a)pyrene 11. Benzo(b)fluoranthene 12. Benzo(e)pyrene 13. Benzo(j)fluoranthene 14. Indeno (1,2,3- cd) pyrene 15. Phenanthrene 16. Pyrene 17. Benzo (k) fluoranthene 18. Chrysene 19. 1 Methyl pyrene 20. Dibenzo (a,e) pyrene 21. Dibenzo (a,i) pyrene 22. Dibenzo (a,l) pyrene 23. Dibenzo (a,h) pyrene
EN 17137	Determination of the content of compounds based on chlorobenzenes and chlorotoluenes: Chlorobenzenes and chlorotoluenes: (Matrix: ZDHC MRSL, Textile) 1. 2-Chloro toluene 2. 1,2,3,4 Tetra Chloro benzene 3. 1,2,3,5 Tetra Chloro benzene 4. 1,2,3 tri Chloro benzene 5. 1,2,4,5 Tetra Chloro benzene 6. 1,2,4 Tri Chloro benzene 7. 1,2 Di Chloro benzene 8. 1,3,5 Tri Chloro benzene 9. 1,3 Di Chloro benzene 10. 1,4 Di Chloro benzene 11. 2,3,4,5,6 penta chloro toluene 12. 2,3,6 tri chloro toluene 13. 2,4,5 tri chloro toluene 14. 2,4 Di Chloro toluene 15. 2,5 Di Chloro toluene 16. 2,6 Di Chloro toluene 17. 2,3 Di Chloro toluene 18. 3 Chloro toluene 19. 4 Chloro toluene 20. 3,4 Di Chloro toluene

	21. alpha,alpha,alpha,4-Tetrachlorotoluene 22. 2,3,4,5 Tetra Chloro toluene 23. 2,3,4,6 Tetra Chloro toluene 24. 2,3,5,6 Tetra Chloro toluene 25. Penta Chloro toluene 26. Penta Chloro benzene 27. Hexa Chloro benzene 28. P-Chloro benzo trichloride 29. benzo trichloride 30. Benzyl chloride
EN ISO 14389	Textiles — Determination of the phthalate content — Tetrahydrofuran method. (Matrix: ZDHC MRSL, Textile, Leather) 1. Bis- (2-Methoxy Ethyl Phthalate) 2. Bis- 2-Ethyl Hexyl Phthlate 3. Butyl Benzyl Phthalate 4. Di butyl Phthalate 5. Di iso heptyl Phthalate (1,2-Benzenedicarboxylic acid, di C6-8-branched alkyl esters, C7 rich) 6. Di cyclo hexyl phthalate) 7. Di ethyl phthalate 8. Di iso decyl phthalate 9. Di iso nonyl phthalate 10. Di iso butyl phthalate 11. Di iso pentyl phthalate 12. Di methyl phthalate 13. Di -n-hexyl phthalate 14. Di -n-Octtyl phthalate 15. Di -n-Pentyl phthalate 16. Di -n-Propyl phthalate 17. Di Un decyl phthalate (1,2-Benzenedicarboxylic acid, di C7-11-branched and linear alkyl esters, (DHNUP) 18. 1,2-Benzenedicarboxylic acid, di hexyl ester, branched and linear 19. Di iso octyl phthalate 20. 1,2-Benzenedicarboxylic acid, di pentyl ester, branched and linear 21. Di iso hexyl phthalate 22. n-pentyl iso pentyl phthalate 23. 1,2-Benzenedicarboxylic acid, di C6-C10 alkyl esters or mixed decyl and hexyl and octyl diesters with >0.3% of dihexyl phthalate; 1,2-Benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters; 1,2-Benzenedicarboxylic acid, di C6-C10 alkyl esters
EN ISO 17881-1	Textiles: Determination of certain flame retardants — Part 1: Brominated flame retardants Flame Retardants: 1. 2,2-bis(bromomethyl)- 1,3-propanediol (BBMP) 2. Bis(2,3-dibromopropyl) phosphate (BIS) 3. Decabromodiphenyl ether (DecaBDE)

	4. Hexabromocyclodecane (HBCDD) 5. Octabromodiphenyl ether (OctaBDE) 6. Pentabromodiphenyl ether (PentaBDE) 7. Polybromobiphenyls (PBB) 8. Tetrabromobisphenol A (TBBPA) 9. Tris-(2-chloro-1-methylethyl) phosphate (TCPP) 10. Tris(1-aziridinyl)phosphine oxide) (TEPA) 11. Tris(1,3-dichloro-isopropyl) phosphate (TDCP) 12. Tris(2-chloroethyl) phosphate (TCEP) 13. Tris(2,3,-dibromopropyl)- phosphate (TRIS) 14. Decabromobiphenyl (DecaBB) 15. Dibromobiphenyls (DiBB) 16. Octabromobiphenyls (OctaBB) 17. Dibromopropylether 18. Heptabromodiphenyl ether (HeptaBDE) 19. Hexabromodiphenyl ether (HexaBDE) 20. Monobromobiphenyls (MonoBB) 21. Monobromodiphenylethers (MonoBDEs) 22. Nonabromobiphenyls (NonaBB) 23. Nonabromodiphenyl ether (NonaBDE) 24. Tetrabromodiphenyl ether (TetraBDE) 25. Tribromodiphenylethers (TriBDEs) 26. Boric acid 27. Diboron trioxide 28. Disodium octa borate 29. Disodium tetraborate anhydrous 30. Tetraboron disodium heptoxide, hydrate
EN ISO 17881-2	Textiles — Determination of certain flame retardants — Part 2: Phosphorus flame retardants Flame Retardants: 1. 2,2-bis(bromomethyl)- 1,3-propanediol (BBMP) 2. Bis(2,3-dibromopropyl) phosphate (BIS) 3. Decabromodiphenyl ether (DecaBDE) 4. Hexabromocyclodecane (HBCDD) 5. Octabromodiphenyl ether (OctaBDE) 6. Pentabromodiphenyl ether (PentaBDE) 7. Polybromobiphenyls (PBB) 8. Tetrabromobisphenol A (TBBPA) 9. Tris-(2-chloro-1-methylethyl) phosphate (TCPP) 10. Tris(1-aziridinyl)phosphine oxide) (TEPA) 11. Tris(1,3-dichloro-isopropyl) phosphate (TDCP) 12. Tris(2-chloroethyl) phosphate (TCEP) 13. Tris(2,3,-dibromopropyl)- phosphate (TRIS) 14. Decabromobiphenyl (DecaBB) 15. Dibromobiphenyls (DiBB) 16. Octabromobiphenyls (OctaBB) 17. Dibromopropylether 18. Heptabromodiphenyl ether (HeptaBDE) 19. Hexabromodiphenyl ether (HexaBDE) 20. Monobromobiphenyls (MonoBB)

	21. Monobromodiphenylethers (MonoBDEs) 22. Nonabromobiphenyls (NonaBB) 23. Nonabromodiphenyl ether (NonaBDE) 24. Tetrabromodiphenyl ether (TetraBDE) 25. Tribromodiphenylethers (TriBDEs) 26. Boric acid 27. Diboron trioxide 28. Disodium octa borate 29. Disodium tetraborate anhydrous 30. Tetraboron disodium heptoxide, hydrate
EN ISO 22744-1	Textiles and textile products — Determination of organotin compounds — Part 1: Derivatisation method using gas chromatography. (Matrix: ZDHC MRSL, Textile) 1. MONO OCTYL TIN 2. MONO METHYL TIN 3. DI BUTYL TIN 4. DI OCTYL TIN 5. Mono PHENYL TIN 6. DI PHENYL TIN 7. DI PROPYL TIN 8. MONO BUTYL TIN 9. TETRA BUTYL TIN 10. TETRA PROPYL TIN 11. Tri BUTYL TIN 12. Tri cyclo hexyl TIN 13. Di methyl TIN 14. Tri methyl TIN 15. Tri phenyl TIN 16. Tri octyl TIN 17. Tri Propyl TIN 18. Mono Propyl TIN 19. Tetra ethyl tin 20. Tetra octyl tin 21. Tricyclohexyl tin
GB/T 2912-1	Determination of Free and hydrolyzed Formaldehyde (Water extraction method) in textiles
GB/T 2912-2	Determination of Released Formaldehyde in textiles (Vapour absorption method)
GB/T 7573	Textiles — Determination of pH of aqueous extract
GB/T 17592	Textiles -- Determination of the banned azo colorant 1. 2-Methoxyaniline (o-Anisidine) 2. 1, 4-Phenylenediamine 3. 2,4 Xylidine 4. 2,4,5- Trimethylaniline 5. 2,4-Diaminoanisole 6. 2,4-Toluylenediamine 7. 2,6 Xylidine

	8. 2-Amino-4- nitrotoluene 9. 2-Naphthylamine 10. 3,3 Dichlorobenzidine 11. 3,3 Dimethoxybenzidine 12. 3,3 Dimethyl- 4,4 diamino diphenyl methane 13. 3,3 Dimethylbenzidine 14. 4,4 Diaminodiphenyl methane 15. 4,4 Methylene-bis- (2-Chloraniline) 16. 4,4- Oxydianiline 17. 4,4- Thiodianiline 18. 4-Aminodiphenyl 19. 4-Chloro-o- Toluidine 20. Aniline 21. o-Aminoazotoluene 22. O-Toluidine 23. P- Chloroaniline 24. p-Cresidine 25. Benzidine Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
GB/T 18401	Determination of the development of smells of finishing (sensory test/ Odour tests) - National general safety technical code for textile products
GB/T 23344	Textiles -- Determination of 4-aminoazobenzene. Exclusion: CE-DAD, TLC, HPTLC are not used. HPLC-DAD & GC-MS are used for azo colourants quantification
ISO 14184-1	Determination of Free and hydrolyzed Formaldehyde (Water extraction method) in textiles
ISO 14184-2	Determination of Released Formaldehyde in textiles (Vapour absorption method)
ISO 16189	Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine dimethylformamide in footwear materials. Halogenated Solvents 1. 1,2-dichloroethane 2. Methylene chloride 3. Tetrachloroethylene 4. Trichloroethylene 5. Benzylchloride Other Solvents: 6. Dimethylformamide (DMFa) 7. Dimethylacetamide (DMAC) 8. N-Methyl-2-pyrrolidone (NMP) 9. Quinoline
ISO 21084	Textiles — Method for the determination of alkylphenol (AP) 1. OPEO (Octylphenol ethoxylates) 2. NPEO (Nonylphenol ethoxylates) 3. Nonyl phenol 4. Octyl phenol

	5. 4-tert-Pentyphenol 6. 4-Heptylphenol, branched and linear (4-HPbl) 7. Pentylphenol
ISO 22818	Textiles — Determination of short-chain chlorinated paraffins (SCCP) and middle-chain chlorinated paraffins (MCCP) in textile products out of different matrices by use of gas chromatography negative ion chemical ionization mass spectrometry (GC-NCI-MS) (Matrix: ZDHC MRSL, Textile) 1. Short-chain Chlorinated paraffin (C10 – C13) 2. Medium-chain Chlorinated paraffins (MCCPs) (C14-C17)
ISO 24040	Textiles — Determination of certain benzotriazole compounds UV Absorbers: (Matrix: ZDHC MRSL, Textile) 1. UV 320 2. UV 327 3. UV 328 4. UV 350
SOP/RSL/IN-049	Beilstein Method -Poly vinyl chloride (PVC) Identification-Qualitative Analysis
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: Wood based materials**	
EN 717-3	Wood-based panels - Determination of formaldehyde release - Part 3: Formaldehyde release by the flask method
CHEMICAL- HAZARDOUS & RESTRICTED CHEMICALS **Matrix: Toys**	
ASTM F963-17	Standard Consumer Safety Specification for Toy Safety. Heavy metals: 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Lead 6. Chromium 7. Mercury 8. Selenium
BS EN 71-3:2019+A1:2021	Safety of toys: Migration of certain elements: 1. Aluminium 2. Antimony 3. Arsenic 4. Barium 5. Boron 6. Cadmium 7. Chromium 8. Chromium VI 9. Cobalt 10. Copper

	11. Lead 12. Manganese 13. Mercury 14. Nickel 15. Selenium 16. Strontium 17. Tin 18. Zinc
IS 9873-7	Requirements and Test Methods for Finger Paints: Primary Aromatic amines: 1. 2,4,5 Trimethyl aniline 2. 2,4 Diaminoanisole 3. 2,4- Toluylenediamine 4. 2-Napthylamine 5. 3,3 Dichlorobenzidine 6. 3,3 Dimethoxy benzidine 7. 4,4 Diaminodiphenylmethane 8. 3,3 Dimethyl benzidine 9. 3,3 dimethyl 4,4 Diaminodiphenylmethane 10. 4,4 methylene bis -2-Chloroaniline 11. 4,4 -Oxydianiline 12. 4, Aminobiphenyl 13. 4 Chloro-O-Toluidine 14. Benzidine 15. O-Aminoazobenzene 16. O-Anisidine 17. O-Toluidine 18. P-Chloroaniline 19. P-Cresidine
ISO 787-9	General methods of test for pigments and extenders: Determination of pH value of an aqueous suspension
ISO 8124-3	Safety of toys — Part 3: Migration of certain elements Heavy metals: 1. Antimony 2. Arsenic 3. Barium 4. Cadmium 5. Lead 6. Chromium 7. Mercury 8. Selenium
ISO 8124-6	Safety of toys — Part 6: Certain phthalate esters in toys and children's products. 1. Bis(2-ethoxy) ethyl phthalate 2. Butyl benzyl phthalate 3. Diiso decyl phthalate 4. Diiso nonyl phthalate 5. Di-n-butyl phthalate 6. Di-n-Octyl phthalate

ISO 8124-7	Safety of Toys: Part-7: requirements and test method for finger Paints: 1. PAH: Benzo(a) pyrene 2. Hexachlorobenzene