

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 007
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Accreditation No: LAB 007

Awarded to

**SGS Consumer & Retail Services – Laboratory
Plot# 04, Sector 24, Korangi Industrial Area
Near Shan Chowrangi, Karachi-74900, Pakistan.**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc. and shall not mislead its users.

The accreditation was first time granted on **02-01-2004** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

The accreditation requires regular surveillance, and is valid until **31-01-2026**

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

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	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 007
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Testing Laboratory

Accreditation Scope of **Consumer & Retail Services Laboratory.**
Plot# 04, Sector 24, Korangi Industrial Area Near Shan Chowrangi,
Karachi-74900, Pakistan

Permanent laboratory premises

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Fabric weight Unit Area/Length	ASTM D 3776-2020 ISO 3801-1977 BS EN 12127: 1998 Weighing Balance
Textile	Physical	Ends & Picks (Woven Fabric)	ASTM D 3775-2017 Pick Counter
Textile	Physical	Stitch Density (Knitted Fabric)	ASTM D 3887-2008 BS 5441-88 Pick Counter
Textile	Physical	Fabric Shrinkage	AATCC 135:2018 ISO 3759:2011 ISO5077:2007 ISO 6330:2021 GB/T 8629:2017 Wascator, Top Loading
Textile	Physical	Garment Shrinkage	AATCC 150:2018 ISO 3759:2011 ISO 5077:2007 ISO 6330:2021 Wascator, Top loading
Textile	Physical	Appearance after wash	AATCC 124:2018 AATCC 143: 2018 Top Loading Washing Machine, SA Replica

04-03-2024
Date

Sd.
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Skewness /Bow	AATCC 179:2019 ASTM D3882:2020 BS 2819: 2021 <i>Wascator & Top Loading</i>
Textile	Physical	Color fastness to washing	AATCC 61:2013 BS EN ISO 105:C06:2010 ISO 105: C01-C05:1989 Laundrometer , Grey Scale
Textile	Physical	Color fastness to perspiration	AATCC 15:2021 BS EN ISO 105-EO4:2013 GB/T 3922: 2013 Grey scale, Incubator, Perspiration tester
Textile	Physical	Color fastness to rubbing	AATCC 8:2016 BS EN ISO 105-X12:2016 ISO 105 X16: 2016 AATCC 116:2018 GB/T 3920: 2008 Crockmeter, Grey scale
Textile	Physical	Color fastness to water	AATCC 107:2013 BS EN ISO 105-E01:2013 GB/T 5713: 2013 Incubator, Perspiration tester, grey scale
Textile	Physical	Color fastness to sea water	AATCC 106:2013 BS EN ISO 105-EO2:2013 Perspiration tester ,grey scale
Textile	Physical	Sweat & saliva	DIN 53160-1: 2010 DIN 53160 -2: 2002 GB/T 18886:2019 Perspiration Tester, Incubator

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Color fastness to dry-cleaning	BS EN ISO 105-D01:2015 AATCC 132:2013 Laundrometer , Grey Scale
Textile	Physical	Color fastness to Non Chlorine Bleach	AATCC 172:2016 Top Loading Grey Scale
Textile	Physical	Determination of the Tensile Strength & Elongation of woven fabric. a) Garb Method b) Strip method	ASTM 5034:2021 ISO 13934-2:2014 ASTM 5035:2019 ISO 13934-1:2013 ASTM D1683:2022 NF G 92 005 UNE 40902:2020 Universal Strength Tester
Textile	Physical	Bursting Strength	ASTM D3786-2018 ISO 13938-1:2019 Mullen Burst Tester
Textile	Physical	Smoothness of seam	AATCC 88B : 2018 Top Loading Washing Machine
Textile	Physical	Seam Slippage	ASTM 434-95 BS 3320: 1988 Universal Strength Tester
Textile	Physical	Retention of creases in fabric	AATCC 88C: 2018 Top Loading Washing Machine

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Tearing Strength Elmtear	ASTM D 1424:2021 ISO 13937-1: 2000 Pendulum tear tester
Textile	Physical	Tearing Force (Single Rip tear method)	ISO 13937-2: 2000 ASTM D2261: 2017 Universal Strength Tester
Leather	Physical	Tearing Force (Single Rip tear method)	ISO 3377-2:2016 Universal Strength Tester
Textile	Physical	Spray rating test	AATCC 22:2017 ISO 4920:2012 Spray Tester , Replica
Textile	Physical	Oil Repellency (Hydrocarbon Resistance Test)	AATCC 118:2020 ISO 14419:2010 Oil Kit ,Photographic Replica
Textile	Physical	Abrasion Resistance	ISO12947-2:2016 ASTM D4966: 2022 ASTM D3886: 2022 Nu- Martindale Abrasion tester , Universal wear tester Grey Scale
Textile	Physical	Pilling Resistance	ISO12945-2: 2020 ISO 12945-1:2020 ASTM D3514 : 2016 ICI Pilling Box, Nu- Martindale Abrasion tester Universal wear tester Photographic Replica

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Colourfastness to domestic & commercial appear# using a non-phosphate reference detergent incorporates a low temperature bleach activator.	ISO 105 C08:2015 Laundrometer , Grey Scale
Textile	Physical	Colourfastness to domestic & commercial laundering- Oxidative bleach response using a non-phosphate reference detergent incorporate a low temperature bleach activator	ISO 105 C09: 2019 Laundrometer , Grey Scale
Textile	Physical	Colourfastness to Chlorinated water	ISO 105 E03:2015 BS EN ISO 105 E03:2010 Laundrometer , Grey Scale
Leather	Physical	Colourfastness to Dry Cleaning	ISO 11643:2009 Laundrometer , Grey Scale
Textile	Physical	Phenolic Yellowing of Textile	ISO 105 X18:2007 Oven, Grey Scale
Textile	Physical	Colourfastness to Heat (Hot Pressing)	ISO 105 X11:1994 AATCC 133:2020 Thermoplate , Grey Scale

04-03-2024
Date

Sd.
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Yarn Count	ISO 7211-5:2020 ASTM D1059:2022 BS EN 14970: 2006 Scale, Balance Twist Tester
Textile	Physical	Seam Strength	ISO 13935-2:2014 Universal Strength Tester
Textile	Physical	Seam Slippage – Fixed seam opening method	ISO 13936-1:2004 Universal Strength Tester
Textile	Physical	Seam Slippage – Fixed Load Method	ISO 13936-2:2004 Universal Strength Tester
Textile	Physical	Torque Test	16CFR1500.51/ 52/53:2012 ASTM F963: 2017 Section 8.8 EN 71 -1: 2014 Clause 8.3 Torque Force Gauge
Textile	Physical	Tension Test	16CFR1500.51/ 52/53:2012 ASTM F963: 2017 Section 8.9 EN 71 -1: 2014 Clause 8.4 Snap Tester
Textile	Physical	Unsnapping of Snap Fastener	ASTM D4846: 2021 Universal Strength Tester
Textile	Physical	Sharp Edges	16 CFR 1500.49:2012 ASTM F963: 2017 Section 4.7 EN 71 -1: 2014 Clause 8.11 Sharp Edge Tester

04-03-2024
Date

Sd.
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Sharp Points	16 CFR 1500.48:2012 ASTM F963 : 2017 Section 4.9 EN 71 -1: 2014 Clause 8.12 Sharp Point Tester
Textile	Physical	Small Parts	16 CFR Part 1501:2015 ASTM F963: 2017 Section 4.6 EN 71 -1: 2014 Clause 8.2 Tension test CEN/TR 16792:2014 Annex B BS 7907 Small Parts Cylinder Universal strength tester
Textile	Physical	Stretch & Recovery	ISO 14704-1:2005, BS EN ISO 14704-1:2005 ASTM D3107: 2019 ISO 20932-1 : 2018 ISO 20932-3 : 2018 ASTM D2594: 2021 Stretch & Recovery tester Universal Strength Tester
Textile	Physical	Colour Fastness to Light	ISO 105 B02:2014 BS EN ISO 105 B02:2014 AATCC 16.3: 2020 Ci 4000, Xenon Light Fastness
Textile	Physical	Soil release oily stain release method	AATCC 130:2018 Top Loading, soil Release stain replicas

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Flammability of Textiles	16CFR Part 1610:2012 ASTM D 1230:2022 BS EN 14878: 2009 EN 1103: 2005 DIN EN ISO 6940: 2004 DIN EN ISO 6941: 2003 BS 5438:2008 BS 5722:2008 EN-71-2:2020 US - 16 CFR 1616 Fitted Children Sleepwear +6/ US - 16 CFR 1615 Loose Children Sleepwear -6 GB/T 14644: 2014 Auto flame chamber Flammability Tester Flexiburn
Textile	Physical	Colourfastness to ozone	AATCC 109: 2016 Ozone chamber
Textile	Physical	Cord and Drawstring	EN 14682:2015 GB 31701: 2015 (Clause 4.4.3) GB 31701: 2015 Scale
Textile	Physical	Spirality in fabric and garment after laundering	ISO 16322-2 & 3:2021 Electrolux Wascator Measuring Scale
Textile	Physical	Slide fasteners	BS 3084:2001 EN 16732:2016 Universal strength Tester
Textile	Physical	Water Resistance impact penetration	AATCC 42:2017 Water resistance tester

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile	Physical	Water resistance Hydrostatic head pressure	AATCC 127:2018 ISO 811:2018 Hydrostatic head tester
Textile	Physical	Smouldering Cigarette test	ISO 12952-1 & 2:2010 Flame chamber with test rig
Textile	Physical	Dimensional Changes on Dry Cleaning in Perchloroethylene	AATCC 158:2016 Commercial dry cleaning machine
Textile	Physical	Dimensional change in commercial laundering	AATCC 96:2012 Commercial home laundering machine
Textile	Physical	Appearance after domestic washing and drying	GB/T 8629:2017 Electrolux Wascator Measuring Scale
Textile	Physical	Odour	SNR 195651:2015
Textile	Chemical	pH of aqueous extract	AATCC 81:2016 ISO 3071:2020 GB/T 7573:2009 pH Meter
Textile Polymer Chemical	Chemical	Azo Amines	EN 14362-1:2012 EN 14362-3:2012 GB/T 17592:2011 GB/T 23344:2009 EN 14362-1&2:2003 §64 LFGB, BVL, B82.02-9- 2015 ISO 14362-1:2017 ISO 14362-3: 2017 GC-MS/HPLC-DAD

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

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Textile	Chemical	Formaldehyde Content	ISO 14184-1/2: 2011 AATCC 112:2014 JPLAW 112: 1975 JISL 1041:2011 GB/T 2912.1-2009 GB/T 2912.2-2009 UV Spectrophotometer
Textile	Chemical	1-Fibre Analysis (Qualitative) 2-Fibre Analysis (Quantitative)	AATCC20:2021 AATCC 20A: 2021 ISO 1833 GB/T 2910: 2009 GB/T 29862: 2013 GB/T 16988: 2013 FZ/T 01057: 2007 FZ/T 01026: 2017 FZ/T 01095: 2002 Oven , Microscope
Textile Chemical	Chemical	Ortho Phenyl Phenol (OPP)	In-House Method EN-17134:2019 ISO-22992-1: 2021 GCMS
Textile	Chemical	Selected volatile Organic Compounds VOC's) DMFa	Derived method based on EPA Method 8260C EPA Method 3585 EPA Method 5000 ISO 16189:2013 GC-MS
Textile Leather Polymer Chemical	Chemical	Chlorobenzene & Chloro toulene	DIN 54232:2010 EN 17137:2018 DIN EN 17137:2019 GC-MS
Textile	Chemical	Organotin	Derived method based on BS ISO 17353:2004 DIN EN ISO 17353:2005 ISO 17353:2004 DIN 38407-13:2001

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Leather Polymer Chemical			ISO 16179:2012 ISO 22744-1:2020 GC-MS
Textile	Chemical	Chlorophenols TCP, TeCP, PCP (Alkaline Distillation)	§64LFGB, B 82.02.08-2001 DIN 53313:1993 ISO 17070: 2015 GC-MS , GC-ECD
Textile	Chemical	Extractable Heavy Metal	OEKO-Tex Standard 100 ISO 105 E04:2018 EN ISO 17072-1:2019 EN 16711-2:2015 DIN 54233-3:2010 GB/T 17593.3:2016 ICP-OES
Textile	Chemical	Safety of Toys EN 71-3	EN 71-3 :2019 +A1 :2021 EN71-3:1994 + A1:2000, AC:2002 ICP-OES
Textile	Chemical	Chlorophenols TCP, TeCP, PCP (Steam Distillation)	§64LFGB, B 82.02.08-2001 ISO 17070: 2015 GC-MS, GC-ECD
Textile Leather Chemical	Chemical	Determination of Allergenic, Carcinogenic dyestuff, Navy blue colorant	DIN 54231:2005 DIN 54231:2022 § 64 LFGB BVL B 82.02.10 – 2007 GB/T 20382:2006 (mod) GB/T 20383:2006 (mod) GB/T 30398:2013 (mod) GB/T 30399:2013 (mod) HPLC-DAD, HPLC-MS

04-03-2024
Date

Sd.

Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

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Textile Leather Polymer Chemical	Chemical	Determination of Alkylphenol & Alkylphenol ethoxylate	ISO 18218-1:2015 ISO/FDIS 18254-1:2016 GB/T 23972:2009 ISO 18218-2: 2019 ISO 21084:2019 HPLC-MS , GC-MS
Textile Leather Polymer Chemical	Chemical	Phthalates Content	CPSC-CH-C1001-09.4 EN 14372:2004 ISO 14389:2022 GB/T 24168:2009 GC-MS
Textile	Chemical	Polyvinyl chloride (PVC) & Polyurethane (PU)	In- House Method FTIR
Textile Leather Polymer Chemical	Chemical	Polycyclic Aromatic hydrocarbons (PAH)	Derived method based on EPA 610 AFPS GS 2019:01 PAK GC-MS
Textile Leather Polymer Chemical	Chemical	Perflourinated and polyflourinated chemicals (PFCs)	CEN/TS 15968:2010 GB/T 29493.2:2013 ISO 23702-1:2018 LC-MS
Textile Leather Polymer Chemical	Chemical	Dimethyl Fumarate (DMFu)	ISO 16186 :2021 In-House Method GC-MS
Textile/ Plastics/ Rubber	Chemical	Styrene	EPA method 8260C,3585,5000 RSTS-CHEM-220-2
Textile/ Plastics/ Rubber	Chemical	Acetophenone (2-Phenyl Propanol)	In house test method RSTS-CHEM-255-1

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile Leather Polymer Chemical	Chemical	Bisphenol Compounds BPA (S,F,AF,B,Z,AP)	As per AFIRM RSTS-CHEM-239-3 Solvent extraction LC-MS
Textile Leather Polymer Chemical	Chemical	Organic Solvents (Benzene NMP, DMAC, Formamide ,NEP, Cresol, Toulene, Xylene)	ISO /TS 16189: 2021 In house test method RSTS-CHEM-220-1 EN 17131:2019 GC-MS/Headspace
Textile Leather Polymer Chemical	Chemical	Organic Solvents NMP	ISO-19070: 2016 GC-MS/Headspace
Textile Plastics Rubber	Chemical	Pesticides	EPA 8081B EPA 8141B EPA 8270D EPA 8321B EPA 8151A GC-MS/ GC-ECD/ LC-MS
Textile/ Wet Paint/ Surface Coating Materials	Chemical	Lead & Cadmium Content	Derived method based on US Public law 110-314 ASTM E 1613-04 ASTM E 1645 CPSC-CH-E1003-09.1 16 CFR Part 1303 CPSC-CH-E1002-08.1 ASTM F963-96a clause 4.35 ASTM F963-03 clause 4.35 ASTM F963-07 clause 4.35 EN 1122: 2001 AAS , ICP-OES
Textile/ Wet Paint/ Surface Coating Materials	Chemical	Lead , Cadmium, Mercury , Chrome & Chrome VI	CPSC-CH-E1001-08.1 CPSC-CH-E1003-09.1 CPSC-CH-E1002-08.1 EU packaging & packaging waste directive 94/62/EC

04-03-2024
Date

Sd.

Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
			EPA 3050B:1996 EPA 3051:1996 EPA 3052:1996 IEC 62321 Ed1.2008 ISO 17072-2:2022 ICP-OES
Textile Wet Paint Surface Coating Materials	Chemical	Total Heavy Metal Lead, Cadmium, Antimony, Arsenic, Chromium, Cobalt, Copper, Mercury, Nickel, Barium, Selenium, Tin, Silver, chromium VI	BS EN 16711-1: 2015 ICP-OES
Textile Wet Paint Surface Coating Polymer Chemical	Chemical	Total Heavy Metal Lead, Cadmium, Antimony, Arsenic, Chromium, Cobalt, Copper, Mercury, Nickel Barium, Selenium, Tin, Silver, chromium VI	BS EN 16711-1: 2015 Acid digestion ICP-OES
Leather Chemical	Chemical	Total Heavy Metal Lead, Cadmium, Antimony, Arsenic, Chromium, Cobalt, Copper, Mercury, Nickel Barium, Selenium, Tin, Silver, chromium VI	ISO 17072-2:2019 Acid digestion ICP-OES
Textile Leather Polymer Chemical	Chemical	Chemical Screening for ZDHC- MRSL	In-House Method (BRS200) In-House Method (BRS 300) In-House Method (BRS 350) GC-MS/HPLC-DAD/MS, ICP-OES

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile/ Wet Paint/ Surface Coating Materials	Chemical	Polyvinyl chloride (PVC) & Polyurethane (PU)	In- House Method FTIR
Metal	Chemical	Nickel Release	EN-1811:2011 + A1:2015 EN-12472:2005 +A1:2009 AAS, ICP-OES
Metal	Chemical	Lead & Cadmium Content	US Public law 110-314 CPSC-CH-E1001- 08.1 AAS/ICP-OES
Metal	Chemical	Lead, Cadmium, Antimony, Arsenic, Chromium, Cobalt, Copper, Mercury, Nickel	BS EN 16711-1: 2015 ICP-OES
Leather	Chemical	Dimethyl Fumarate	ISO 16189 : 2021 In-House Method GC-MS
Leather	Chemical	Formaldehyde Content	ISO 17226-1: 2018 ISO 17226-2:2018 GB/T 19941:2005 UV- Spectrophotometer/LC DAD
Leather	Chemical	Cr VI Content a) With Aging (b) Without Aging	ISO 17075 -1 & 2 :2017 EN 420:2003 +A1 2009 CEN/TS/14495:2003 UV- Spectrophotometer & HP-LC DAD
Leather Chemical	Chemical	Azo Amines	ISO 17234-1 :2015 ISO 17234-2:2011 ISO 17234-1:2020 GC-MS/HPLC-DAD

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

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Leather	Chemical	pH	ISO 4045:2018 GB/T 2724-2005 pH meter
Leather	Chemical	Volatile Organic Compounds VOC's(DMFa)	Derived method based on EPA Method 8260C EPA Method 3585 EPA Method 5000 ISO 16189:2021 GC-MS
Leather	Chemical	Determination Of Matter soluble Dichloromethane & Free fatty acid	ISO 4048: 2018 Oven
Leather	Chemical	Determination of Alkylphenol & Alkylphenol ethoxylate	ISO 18218-1:2015 ISO/FDIS 18254-1:2016 LC-MS /GC-MS
Leather	Chemical	Ortho Phenyl Phenol (OPP)	In-House Method ISO 13365-1:2020 ISO 13365-2:2020 GC-MS
Textile Leather Polymer Chemical	Chemical	SCCP/ MCCP	ISO 18219: 2015 USEPA Method 8082A CADS SCCP v8: 2017 ISO 18219-1/2:2021 ISO 22818:2021 GC-MS-GC-NCI
Leather	Chemical	TCP, TeCP, PCP (Steam Distillation)	ISO 17070:2015, §64LFGB, B 82.02.08-2001 GC-MS, GC-ECD
Leather	Physical	Colourfastness to Rubbing	ISO 11640:2018 Crock meter, Grey scale

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Leather	Physical	Colour fastness to perspiration	ISO 11641:2012 Oven, perspiration tester
Leather	Physical	Colour fastness to water	ISO 11642:2012 Oven, perspiration tester
Leather	Physical	Colour fastness to water spotting	ISO 15700:1998 Oven
Polymer	Chemical	Lead, Cadmium, Mercury, Chrome & Chrome VI	CPSC-CH-E1001-08.1 CPSC-CH-E1003-09.1 CPSC-CH-E1002-08.1 EU packaging & packaging waste directive 94/62/EC EPA 3050B:1996 EPA 3051:1996 EPA 3052:1996 IEC 62321 Ed1.2008 ICP-OES
Polymer	Chemical	Lead, Cadmium, Antimony, Arsenic, Chromium, Cobalt, Cupper, Mercury, Nickel	BS EN 16711-1: 2015 ICP-OES
Textile Leather Polymer Chemical	Chemical	Determination of quinoline content in clothing/footwear and chemical formulations	DIN 54231:2005 DIN 54231:2022 LCMS/GCMS
Textile	Physical	Fiber composition of Lyocell, modal	AATCC20-2021 AATCC 20A-2021 ISO 1833 GB/T 2910 : 2009 GB/T 29862: 2013 GB/T 16988: 2013 FZ/T 01057: 2007 FZ/T 01026: 2009 FZ/T 01095: 2002 Microscopic Counting

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile Leather Chemical	Chemicals	p-Phenyldiamine / Free Aniline	In house method ISO 14362-1:2017 GC-MS/HPLC-DAD
Textile	Physical + chemical	China National General Safety technical code of textile	GB/T 18401 :2010
Textile Leather Polymer Chemical	Chemical	Flame Retardants Phosphate/Brominate bases	ISO 17881-1:2016 ISO 17881-2:2016 RSTS-CHEM-221-1 RSTS-CHEM-216-1 RSTS-CHEM-256-1 Solvent Extraction GC-MS/LC-MS
Textile Leather Polymer Chemical	Chemical	Chlorophenols	ISO 17070:2015 §64LFGB, B 82.02.08-2001 CEN/TR 14823: 2003 DIN 50009:2021 GC-MS, GC-ECD
Textile Leather Polymer Chemical	Chemical	Permethrin	EN 17134-2019 ISO 13365-1-2020 GC-MS/LC-MS DAD
Textile Leather Polymer Chemical	Chemical	Triclosan	EN 17134-2019 ISO 22992-2 ISO 13365-1-2020 LC-MS DAD
Textile Leather Polymer Chemical	Chemical	Glycols	In house test method Solvent Extraction RSTS-CHEM-249-1 GC-MS
Textile Leather Polymer Chemical	Chemical	Halogenated Solvents	In house test method Solvent Extraction RSTS-CHEM-220-2 GC-MS

04-03-2024
Date

Sd.

Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile Leather Polymer Chemical	Chemical	2-(2-Aminoethylamino) ethanol (AEEA)	In-House Test Method Solvent Extraction RSTS-CHEM-269-1 LC-MS
Textile Leather Polymer Chemical	Chemical	Borate, zinc salt	In-House Test Method Acid digestion RSTS-CHEM-801-3 ICP-OES
Textile Leather Polymer Chemical	Chemical	Siloxanes	In- House Method with reference to TEGEWA method. RSTS-CHEM-260-2 GC-MS
Textile Leather Polymer Chemical	Chemical	ADCA Diazene-1,2- dicarboxamide [C,C'-azodi(formamide)]	In-House Test Method Solvent Extraction RSTS-CHEM-801-3 LC-DAD
Textile Leather Polymer Chemical	Chemical	Perboric acid, sodium salt	In-House Test Method Acid Digestion RSTS-CHEM-801-3 ICP-OES
Textile Leather Polymer Chemical	Chemical	Total Fluorine	EN-14582:2016 Ion Chromatography
Textile Leather Polymer Chemical	Chemical	UV Absorber	In-House Test Method Solvent Extraction RSTS-CHEM-268-1 GC-MS

04-03-2024
Date

Sd. _____
Director



**ACCREDITATION
DOCUMENT**

F-06/02
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LAB 007

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Textile Leather Polymer Chemical	Chemical	Thiourea	In-House Test Method RSTS-CHEM-269-1 Solvent extraction LC-MS
Textile	Physical	Color Fastness to wet scrubbing	ISO 105 C07 Crock meter, Grey scale
Textile	Physical	Fiber Shedding	SL TM 030 Weight, Adhesive tape 3M 853, Scale
Textile	Physical	Fit Properties	SL TM 045 NAHM socks forms, Universal strength tester, Measuring Tape & Scale
Textile	Physical	Pile Height	In-House Test Method Measuring Scale
Textile	Physical	Pile to Ground Ratio	In-House Test Method Twist tester, Measuring scale
Textile	Physical	Measurement of width	ASTM D3774: 2018 ISO 3932: 1976 Measuring Tape

04-03-2024
Date

Sd. _____
Director