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Accreditation No: LAB 016

Awarded to

SGS Pakistan (Pvt) Ltd. Lahore, 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 **25-11-2008** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2005**.

The accreditation requires regular surveillance, and is valid until **24-06-2021**.

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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Date

Director General

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Testing Laboratory.

Accreditation Scope of SGS Pakistan(Pvt) ltd. Lahore, Pakistan.

Permanent laboratory premises Plot # 7, Din Muhammad Town,
(Opposite Police Training Institute) 19-Km off Multan Road, Chuhang,
Lahore, Pakistan.

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
All textile material / products / physical tests	Physical	Fabric weight per unit area	ASTM D3776/D3776M - 09a (Reapproved 2013)ISO 3801:1977
	Physical	Ends & picks (woven fabric)	ASTM D3775 - 12
	Physical	Stitch density (knitted fabric)	ASTM D3887 - 96 (Reapproved 2008)/BS 5441: 1988
	Physical	Ends & Picks(Woven Fabric)	ISO-7211/2:1984
	Physical	Tearing strength (Elmendorf)	ASTM D 1424:09(re- approved 2013) / ISO 13937-1:2000

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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
All textile material / products / physical tests	Physical	Spray rating test	AATCC 22:2014 / ISO 4920:2012
	Physical	Pilling resistance	ASTM D3512/D3512M – 16 (Reapproved 2014)
	Physical	Tensile strength	ASTM D5034 – 09 (Reapproved 2013)/ ASTM D 5035:2011 (Reapproved 2015)/
	Physical	Abrasion	BS EN ISO 12947-2 : 1998
	Physical	Tear strength (Single rip)	ASTM D 2261-2013

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All textile material / products / physical tests	Physical	Tear strength (trapezoid)	ASTM D 5587:2015
	Physical	Tensile strength (grab/strip method)-measuring breaking force.	BS EN ISO 13934-1 2013/ BS EN ISO 13934-2 2014
	Physical	Pilling resistance-sample visual assessment is required	BS EN ISO 12945-2:2000
	Physical	Pilling resistance-sample visual assessment is required	BS 5811:1986 /BS EN ISO 12945.1:2001 ISO 12945-1 2000
	Physical	Tear strength	BS EN ISO 13937-2/3:2000

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All textile material / products / physical tests	Physical	Seam slippage	BS 3320:1988 Superseded by ISO 13936-1(2004) used only upon confirmation
	Physical	Bursting strength	ASTM D 3787:2016
	Physical	Bursting strength	BS EN ISO 13938-2:1999
	Physical	Seam Slippage	BS EN ISO 13936-1/ 2 :2004 ASTM 434:1995
	Physical	Seam strength	ISO 13935 1/2:2014
	Physical	Determination of Extension and Modulus	BS EN 14704 -1 :2005
	Physical	Slide Fastness (Zips)	BS 3084:2006

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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
	Physical	Stretch Properties of Fabrics Woven from Stretch Yarns	ASTM D3107 – 07 (Reapproved 2015)
	Physical	Fabric Width	ASTM D3774 – 96 (Reapproved 2016)
Leather	Chemical	Formaldehyde Content	ISO/ 17226-2 /:2008 DIN 53315 (1996-03)
	Chemical	Cr VI Content	ISO 17075-1/2:2017 BS EN 420:2013 DIN 53314 (1996-04) /CEN/TS 14495 :2003
	Chemical	Azo Amines	ISO 17234-1:2015/ ISO 17234-2:2011
	Chemical	pH	ISO 4045 :2008
All Textile materials/ Products/ Washing & CF tests	Physical	Fabric / Garment Shrinkage	AATCC 135:2015/ AATCC 150:2012

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All Textile materials/ Products/ Washing & CF tests	Physical	Fabric / Garment Shrinkage	ISO 3759:2011 ISO 5077:2007 ISO 6330:2012
	Physical	Appearance after wash	AATCC 124:2014
	Physical	Skewness after wash	AATCC 179:2012
	Physical	Colour fastness to washing	AATCC 61:2013, BS EN ISO 105:CO6 :2010 ISO 105:CO8:2010- CO9:2001-C10-2006
	Physical	Colour fastness to perspiration	AATCC 15: 2013 /BS EN ISO 105 -EO4:2013
	Physical	Colour fastness to rubbing	AATCC 8:2013/BS EN ISO 105X12:2016/ ISO 105X12:2016
	Physical	Colour fastness to water	AATCC 107:2013 /BS EN ISO 105 EO1:2013

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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
All Textile materials/ Products/ Washing & CF tests	Physical	Colour fastness to sea water	AATCC 106:2013 / BS EN ISO 105 EO2:2013
	Physical	Colour fastness to dry cleaning	BS EN ISO 105 DO1:2010
	Physical	Colour fastness to non chlorine bleach	AATCC 172: 2010
	Physical	Colour fastness to light	AATCC – 16:2014
	Physical	Color Fastness to Artificial Light: Xenon Arc Fading Lamp Test.	BS EN ISO 105 BO2:2014
	Physical	Phenolic yellowing	Courtaulds research, ISO 105 X18:2007
	Physical	Colour fastness to chlorinated water	BS EN ISO 105 EO3 :2010

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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
All Textile materials/ Products/ Washing & CF tests	Physical	Print Durability	IHTM – 1, BHS 12-A
	Physical	Smoothness of Seams in Fabrics after Repeated Home Laundering	AATCC 88 B : 2014
	Physical	Retention of Creases in Fabrics after Repeated Home Laundering	AATCC 88 C :2014
	Physical	Colourfastness to commercial and domestic Laundering	ISO 105 CO8:2010
	Physical	Colourfastness to Hot pressing	ISO 105 X11:1994/BS EN ISO X11 :1996
All Textile Materials / Products/ Chemical tests	Chemical	Fiber Analysis	AATCC 20A 2014 /ISO 1833 :2006 /In accordance with 73/44/EEC and 96/73/EC as amended by 2006/2/EC
	Chemical	pH Value of aqueous extract	AATCC 81 :2012 ISO 3071 :2005

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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
All Textile Materials / Products/ Chemical tests	Chemical	Azo Amines	ISO 14362-1/2:2017
	Chemical	Formaldehyde Content	ISO 14184-1/2:2011 / AATCC 112 :2008 , JPLAW 112 / JISL 1041 :2011
	Chemical	Lead & Cadmium Content	US Public law 110-314 ASTM E 1613-04 ASTM E 1645-01 (2007) CPSC-CH-E- 1001- 08 CPSC-CH-E- 1002- 08 CPSC-CH-E- 1003-09 16 CFR 1303- 1
All Textile Materials / Products/ Regulatory	Physical	Flammability	16CFR 1610:2008ASTM D 1230:2010 (re – approved 2016)
TEXTILE S /ACCESS ORIES	Physical	Determination of Sharp point	ASTM F 963 / 16 CFR 1500.48/ EN 71-1: 2014)
TEXTILE S /ACCESS ORIES	Physical	Determination of Sharp Edge	ASTM F 963 / 16 CFR 1500.49/ EN 71-1 : 2014)

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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
	Physical	Determination of Torque	ASTM F 963 / 16 CFR 1500.49/ EN 71-1 : 2014)
	Physical	Determination of small parts	ASTM F 963 / 16 CFR 1501/ EN 71-1 :2014)
	Physical	Tension test	16CFR 1500.51 /52/53
Leather and Footwear	Physical	Tear Strength	ISO 3377 1:2011- ISO 3377 -2 2016 EN 13571:2002, STM - 162.
	Physical	Tensile strength	ISO-3376 2011, STM- 43,
	Physical	Distension of grain elastability-lastometer ball burst	STM-24, ISO 3379 :2015
	Physical	Adhesion of finish	EN ISO 11644: 2009

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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 and Footwear	Physical	VAMP FLEX TEST – RESISTANCE TO CREASING AND CRACKING	SATRA TM 25.
	Physical	Flexing Resistance (Bally)	ISO 5402:2011
	Physical	ROSS FLEX	BS 5131 2.1 1991; STM 60; EN 12769 :1980:04
	Physical	RESISTANCE OF FOOTWEAR TO FLEXING	STM 92.
	Physical	Flexing Resistance of outsole	STM 133;
	Physical	Abrasion Resistance of Leather	ISO-20344 :2011, ASTM-D4966 :2012 e1, STM 31
	Physical	Colour Fastness to Rubbing	EN ISO 17700 : 2004, EN ISO 11640 :2012, STM 167, ASTM D 5053:03(2015)

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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 and Footwear	Physical	Water and perspiration fastness	STM 335, BS EN ISO 1164 :2012 , IUF 426
	Physical	Colourfastness to light	STM 160; ISO 105 BO2 :2014
	Physical	Density	ISO 2781 2008
	Physical	Dry cleaning	ISO 11643:2009 BS EN ISO 11643:2009 EN ISO 11643:2009
	Physical	Washing	ISO 15702 , ISO 15703 :1999
	Physical	Shrinkage temperature	ISO 3380 2015 & IUP 16
	Physical	Thickness	IUP 4; ISO 2589:2016

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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
	Physical	Abrasion of outsole	ISO 4649 2010/ STM 174
Textile / Leather / Plastic	Chemical	Alkylphenol and Alkylphenol Ehoxylate (AP, APEO)	RSTS-CHEM-213-1 ISO 18218-1:2015 ISO 18254-1:2016
Textile /Surface Coating/ Plastic	Chemical	Phthalates Contents	CPSC—CH-1001.09.3 ISO 14389:2014
All Types of Gloves	Physical	Abrasion Resistance	EN 388:2016
	Physical	Blade Cut Resistance	
	Physical	Tear Resistance	
	Physical	Puncture Resistance	

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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
	Physical	Water Vapour absorption	EN 420 :2003+A12009
	Physical	Water vapour Permeability / Transmission	
	Physical	Dexterity	
	Physical	Size	
	Chemical	Cr VI	
	Chemical	pH	
All Leather and Textile Products	Chemical	Formaldehyde	GB/T 2912

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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
	Chemical	pH	(GB/T 7573, GB/T 2724)
	Chemical	AZO dyes analysis	(GB/T 17592, GB/T 23344)
<i>All Textile Materials / Products</i>	<i>Physical</i>	<i>Stretch Properties of Knitted fabric having low power</i>	<i>ASTM D2594</i>
	<i>Physical</i>	<i>Colour fastness to saliva</i>	<i>GB/T 1886-2002</i>
	<i>Physical</i>	<i>Colour fastness to Perspiration</i>	<i>GB/T 3922-1995</i>
	<i>Physical</i>	<i>Colour fastness to Water</i>	<i>GB/T 5713-1997</i>
	<i>Physical</i>	<i>Colour fastness to Rubbing</i>	<i>GB/T 3920-2008</i>

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	<i>Physical</i>	<i>Colour fastness to Dry cleaning</i>	<i>GB/T 5711-1997</i>
	<i>Physical</i>	<i>Tear properties of fabric (</i> <i>Single Tear)</i>	<i>GB/T 3917.2.2009</i>
	<i>Physical</i>	<i>Colour fastness to Washing</i>	<i>GB/T 3921.1 to 5-1997</i>
	<i>Physical</i>	<i>Colour fastness to Washing</i>	<i>AS- 2001.4.15-2006</i>
	<i>Physical</i>	<i>Colour fastness to Perspiration</i>	<i>AS-2001.4 E04.2005</i>
	<i>Physical</i>	<i>Colour fastness to Rubbing</i>	<i>AS-2001.4.3-1995</i>
	<i>Physical</i>	<i>Colour fastness to Water</i>	<i>AS-2001.4 E01.2001</i>

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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
	<i>Physical</i>	<i>Dimensional change to washing</i>	<i>AS -2001.5.4-2005</i>
	<i>Physical</i>	<i>Tearing strength (Elmendorf)</i>	<i>AS -2001.2.8-2001</i>
	<i>Physical</i>	<i>Seam slippage</i>	<i>AS -2001.2.21-1989</i>
	<i>Physical</i>	<i>Tensile strength</i>	<i>AS -2001.2.3-1988</i>
<i>Leather and Footwear</i>	<i>Physical</i>	<i>Colourfastness to mild Washing</i>	<i>ISO 15703:1998</i>
	<i>Physical</i>	<i>Colourfastness to PVC Migration</i>	<i>ISO 15701:1998</i>
	<i>Physical</i>	<i>Colourfastness to Machine Washing</i>	<i>ISO 15702:1998</i>

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	<i>Physical</i>	<i>Flex Resistance</i>	<i>ISO 17694:2016</i>
	<i>Physical</i>	<i>Tear Strength</i>	<i>ISO 17696:2004 BS EN 13571:2002</i>
	<i>Physical</i>	<i>Outsoles Abrasion Resistance</i>	<i>BS EN 12770:2000</i>
	<i>Physical</i>	<i>Color Fastness to Perspiration</i>	<i>ISO 17700:2004</i>
	<i>Physical</i>	<i>Color Fastness to Water Spotting</i>	<i>ISO 15700:1998</i>
	<i>Physical</i>	<i>Breaking strength of leather by Grab method</i>	<i>ASTM D 2208 2010</i>
	<i>Physical</i>	<i>Breaking strength of leather by</i>	<i>ASTM D 2209 2015</i>

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	<i>Physical</i>	<i>Elongation of tensile</i>	<i>ASTM D 2211 2015</i>
	<i>Physical</i>	<i>Slit tear resistance</i>	<i>ASTM D 2212 2015</i>
	<i>Physical</i>	<i>Tongue Tear of leather</i>	<i>ASTM D 4704 -13</i>

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