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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 **24-11-2017**.

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

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
All textile material / products /	Physical	Spray rating test	AATCC 22:2014 / ISO 4920:2012

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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 tests	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
	Physical	Tear strength (trapezoid)	ASTM D 5587:2015
All textile material / products / physical tests	Physical	Tensile strength (grab/strip method)-measuring breaking force.	BS EN ISO 13934-1 2013/ BS EN ISO 13934-2 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
All textile material / products / physical tests	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
	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

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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	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
	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 17075:2007 BSEN 420:1994 DIN 53314 (1996-04) /CEN/TS 14495 :2003
	Chemical	Azo Amines	ISO 17234-1:2015/ ISO 17234-2:2011

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	Chemical	pH	ISO 4045 :2008
All Textile materials/ Products/ Washing & CF tests	Physical	Fabric / Garment Shrinkage	AATCC 135:2015/ AATCC 150:2012
All Textile materials/ Products/ Washing & CF tests	Physical	Fabric / Garment Shrinkage	ISO 3759-5077- 6330:2012
	Physical	Appearance after wash	AATCC 124:2014
	Physical	Skewness after wash	AATCC 179:2012
	Physical	Colour fastness to washing	ATCC 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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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	Courtlaulds research, ISO 105 X18:2007
	Physical	Colour fastness to chlorinated water	BS EN ISO 105 EO3 :2010
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

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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	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
All Textile Materials / Products/ Chemical tests	Chemical	Azo Amines	ISO 14362-1/2:2012
	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-

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All Textile Materials / Products/ Regulatory	Physical	Flammability	16CFR 1610:2008ASTM D 1230:2010 (re – approved 2016)
TEXTILE S /ACCESS ORIES TEXTILE S /ACCESS ORIES	Physical	Determination of Sharp point	<i>ASTM F 963 / 16 CFR 1500.48/ EN 71-1: 2014)</i>
	Physical	Determination of Sharp Edge	<i>ASTM F 963 / 16 CFR 1500.49/ EN 71-1 : 2014)</i>
	Physical	Determination of Torque	<i>ASTM F 963 / 16 CFR 1500.49/ EN 71-1 : 2014)</i>
	Physical	Determination of small parts	<i>ASTM F 963 / 16 CFR 1501/ EN 71-1 :2014)</i>
	Physical	Tension test	<i>16CFR 1500.51 /52/53</i>
Leather and Footwear	Physical	Tear Strength	ISO 3377 1:2011- ISO 3377 -2 2002 EN 13571:2002, STM -162.
	Physical	Tensile strength	ISO-3376 2011, STM- 43,

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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	Distension of grain elastability-lastometer ball burst	STM-24, ISO 3379 :2015
	Physical	Adhesion of finish	EN ISO 11644: 2009
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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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 2589:2002
	Physical	Abrasion of outsole	ISO 4649 2010/ STM 174
Textile / Leather / Plastic	Chemical	Alkylphenol and Alkylphenol Ehoxylate (AP, APEO)	RSTS-CHEM-213-1

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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	
Textile /Surface Coating/ Plastic	Chemical	Phthalates Contents	CPSC—CH-1001.09.3 ISO 14389:2014	
All Types of Gloves	Physical	Abrasion Resistance	EN 388:2003	
	Physical	Blade Cut Resistance		
	Physical	Tear Resistance		
	Physical	Puncture Resistance		
	Physical	Water Vapour absorption		EN 420 :2003+A12009
	Physical	Water vapour Permeability / Transmission		
	Physical	Dexterity		
	Physical	Size		

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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	Cr VI	
	Chemical	pH	
All Leather and Textile Products	Chemical	Formaldehyde	GB/T 2912:2009
	Chemical	pH	(GB/T 7573:2009 , GB/T 2724:2005)
	Chemical	AZO dyes analysis	(GB/T 17592:2011 , GB/T 23344:2009)

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