

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 055</b>
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**Accreditation No: LAB 055**

**Awarded to**

**Swisstex Chemicals Technical Centre Laboratory  
E-54, S.I.T.E Karachi-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 **24-08-2012** 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 **23-08-2027**.

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**

18-11-2024  
Date

SD  
Director General

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**Testing Laboratory.**

Accreditation Scope of Swisstex Chemicals Technical Centre, Karachi-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	Textile Testing (Colorfastness Tests)	Colorfastness to Laundering: Accelerated	AATCC 61-1A,2A,3A,4A,5A: 2013e (2020)/Laundrometer
		Colour fastness to Domestic and Commercial laundering	ISO 105 CO6 C1S:2010/ Laundrometer
		Colorfastness to Crocking: Crockmeter	AATCC 8:2016e/ Crockmeter
		Colorfastness to Rubbing	ISO 105 X12:2016/ Crockmeter
		Colorfastness to Light: Xenon Arc	AATCC 16.3:2020/ Atlas SDL Ci3000+
		Colorfastness to Artificial Light: Xenon arc fading lamp	ISO 105 BO2:2014/ Atlas SDL Ci3000+
		Colorfastness to Perspiration	AATCC 15:2021 Perspirometer/Oven
		Colorfastness to Perspiration	ISO 105 EO4:2013/ Perspirometer/Oven
		Colorfastness to Water	AATCC 107:2022/ Perspirometer/Oven
		Colorfastness to Water	ISO 105 EO1:2013 Perspirometer/Oven
		Evaluation Procedure for Gray Scale for Color Change	AATCC EP 1:2020/ Light Box, Gray Scale for Color Change
		Evaluation Procedure for Gray Scale for Staining	AATCC EP 2:2020/ Light Box, Gray Scale for Staining

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<b>Materials/ Products tested</b>	<b>Testing field (e.g. environmental testing or mechanical testing)</b>	<b>Types of test/ Properties measured</b>	<b>Reference to standardized method (e.g. ISO 14577- 1:2003)/ Internal method reference</b>
Textile	Textile Testing (Laundering Tests)	Smoothness Appearance of Fabrics after Home Laundering	AATCC 124:2018t/ Top Loading Washing Machine
		Assessing the smoothness of fabrics after cleansing	ISO 6330:2021 ISO 7768:2009/ Wascator
		Dimensional Changes of Fabrics after Home Laundering	AATCC 135:2018t/ Top Loading Washing Machine
		Determination of Dimensional Changes in washing & drying	ISO 6330:2021 ISO 5077:2007 ISO 3759:2011/ Wascator
		Seam Smoothness in Fabrics after Home Laundering	AATCC 88B:2018t/ Top Loading Washing Machine
		Crease Retention in Fabrics after Home Laundering	AATCC 88C:2018t/ Top Loading Washing Machine
	Textile Testing (Chemical Tests)	Test to determine Free Formaldehyde Content	Japanese LAW 112:1994/ Spectrophotometer/ Water Bath
		Determination of Formaldehyde - free and hydrolyzed formaldehyde	ISO 14184-1:2011/ Spectrophotometer/ Water Bath
		Formaldehyde Release from Fabric: Sealed Jar	AATCC 112:2020/ Spectrophotometer/ Water Bath
		Determination of Formaldehyde – released formaldehyde	ISO 14184-2:2011/ Spectrophotometer/ Water Bath
		pH of the Water-Extract from Wet Processed Textiles	AATCC 81:2022/ pH Meter
		Determination of pH of Aqueous Extract	ISO 3071:2020/ pH Meter

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<b>Materials/ Products tested</b>	<b>Testing field (e.g. environmental testing or mechanical testing)</b>	<b>Types of test/ Properties measured</b>	<b>Reference to standardized method (e.g. ISO 14577- 1:2003)/ Internal method reference</b>
Textile	Textile Testing (Physical Tests)	Tearing strength of fabrics by falling- pendulum(Elmendorf type) Apparatus	ASTM D 1424: 2021/ Elmendorf Digital Tear Strength Tester
		End (warp) and Pick (Filling) count of woven fabrics	ASTM D 3775:2017(2023)/ Pick Glass
		Mass Per Unit Area (Weight) of Fabric	ASTM D 3776:2020/ GSM Cutter/ Weighing Balance
	Textile Testing (Other Tests)	Water Repellency: Spray	AATCC 22:2017e/ Spray Rating Tester/ Stop Watch
		Absorbency of Textiles	AATCC 79: 2018e/ Stop Watch
		Whiteness of Textiles	AATCC 110:2021/ Spectrophotometer/ Light Cabinet

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