

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 18/08/2020</b> <b>Rev. No: 09</b> <b>LAB 185</b>
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## Accreditation No: LAB 185

Awarded to

**National Textile Research Center (NTRC),  
National Textile University, Faisalabad, 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 **12-11-2019** 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 **11-11-2025**.

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**

26-05-2025  
Date

SD  
Director General

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### **Testing Laboratory.**

Accreditation Scope of National Textile Research Center (NTRC),  
National Textile University, Faisalabad, Pakistan.

Permanent laboratory premises ☒

<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>
Textiles	Physical Testing	Liquid Moisture Management Properties	AATCC 195-2012
	Physical Testing	Air permeability	ASTM D 737-18 ISO 9237:1995
	Physical Testing	Thermal Resistance of Textile (Rct)	BS EN SO 11092:2014 ASTM F1868-02
	Physical Testing	Water-vapour resistance (Ret)	BS EN SO 11092:2014 ASTM F1868-02
	Physical Testing	Water vapour permeability Index	BS 7209:1990
	Physical Testing	Rubber- or plastics-coated fabrics for water-resistant clothing (Annex I)	ISO 8096:2005
	Physical Testing	Coated Fabrics- water vapour permeability Index	BS 3424-34
	Physical Testing	Stiffness of fabrics by the circular bend procedure	ASTM D4032-08 (2016)
	Physical Testing	Relative Hand Value of Textiles	AATCC TM 202
	Physical Testing	Drying Time of Textiles: Moisture Analyzer	AATCC 199:2018

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Textiles	Physical Testing	Thickness of Textile Materials	ASTM D 1777-96 (2019)
	Physical Testing	Limited flame spread of face or bottom edge of vertically oriented specimens	BS EN 15025:2016
			ISO 6940:2004
			BS 7837:1996
			BS EN ISO 6941:2003
			BS EN 1625:1999
	Physical Testing	Flame Resistance of Textiles (Vertical Test)	ASTM D 6413- 15
	Physical Testing	Particle Filtration Efficiency	EN 143:2021
	Physical Testing	Synthetic Blood Splash	ISO 22609:2004
	Physical Testing	Differential Pressure	BS EN 14683:2019
	Physical Testing	Fabric Weight	BS EN 12127:1998
			ASTM D3776:2020
			ISO 3801:1977
	Physical Testing	Tear Strength	BS EN ISO 13937-2:2000
	Physical Testing	Tear strength of textiles: Wing shaped	BS EN ISO 13937-3:2000
	Physical Testing	Tear strength of textiles: Elmendorf method	BS EN ISO 13937-1:2000
			ASTM D1424:2021
	Physical Testing	Tensile Strength Strip Method	BS EN ISO 13934-1:2013
			ASTM D5035:2019
	Physical Testing	Tensile Strength Grab Method	BS EN ISO 13934-2:2014
			ASTM D5034:2021
	Physical Testing	Twist in Yarn UNTWIST-RETWIST Method	ASTM D 1422:2020
			ISO 17202:2002
	Physical Testing	Twist by Direct Counting	ASTM D1423:2022
	Physical Testing	Abrasion	ISO 12947-2:2016
			ASTM D4966:2022
	Physical Testing	Resistance to surface fuzzing and pilling Martindale method	ISO 12945-2:2020
			ISO 12945-4:2020
			ASTM D 4970:2022
	Physical Testing	Resistance to pilling and fuzzing:	ASTM D 3512:2022

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		Random tumble pilling test	ISO 12945-3:2020
	Physical Testing	Bursting strength (Pneumatic Test)	ISO 13938-2:2019
	Physical Testing		ASTM D3786:2023
	Physical Testing	Color Fastness to Rubbing	ISO 105-X12:2016
			AATCC 08:2022
Textiles	Physical Testing	Colorfastness to Artificial Light: Xenon arc	BS EN ISO 105 B02:2013
			AATCC 16.3:2020
	Physical Testing	Color fastness to water	ISO 105 E01:2013
	Physical Testing	Color fastness to perspiration	ISO 105 E04:2013
			AATCC 15:2021
	Physical Testing	Color fastness to washing	ISO 105 CO6:2010
			AATCC 61:2020
			ISO 105 CO3:1989
	Physical Testing	Color fastness to dry cleaning	BS EN ISO 105 DO1:2010
	Physical Testing		AATCC 132:2013
	Physical Testing	Color fastness to phenolic yellowing	ISO 105 X18:2007
	Physical Testing	Colorfastness to Artificial Saliva	DIN 53160-1:2010
	Physical Testing	Soil Release	AATCC 130:2018t
	Physical Testing	Dimensional stability of textiles	ISO 6330:2021
			AATCC 135:2018
			BS EN ISO 5077:2007
	Physical Testing	Dimensional stability of garments after home laundering	AATCC 150:2018
	Physical Testing	Smoothness appearance after home laundering	AATCC 124:2018t
	Physical Testing	Seam smoothness in fabrics after home laundering	AATCC 88B:2018t
	Physical Testing	Absorbency of textiles	AATCC 79:2018
	Physical Testing	Vertical wicking of textiles	AATCC 197:2022

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	Physical Testing	Linear Density of yarn by skein method	ASTM D 1907:2018
	Physical Testing	Linear density of yarn by short length method	ASTM D 1059:2022
	Physical Testing	Construction of woven fabrics	BS EN 1049-2:1994
	Physical Testing	Yarn unevenness, thick/thin, hairiness	ISO 7211-2:1984
	Physical Testing	Width of Fabric	ASTM D1425:2020
	Physical Testing	Synthetic Blood Penetration	ASTM D3774:2018
Textiles	Physical Testing	Water Impact Penetration	ISO 16603:2004
	Physical Testing	Hydrostatic test	AATCC 42:2017
	Physical Testing	Fiber Analysis: Quantitative	AATCC 127:2017
	Physical Testing	Fiber Analysis: Qualitative	ISO 811:2018
	Physical Testing	pH	AATCC 20A:2021
	Chemical Testing	Azo Dyes	ISO 1833-6:2019
	Chemical Testing	APEO	AATCC 20:2021
	Chemical Testing	AP	ISO 3071:2020
	Chemical Testing	Phthalate	ISO 14362-1:2017
	Chemical Testing	Formaldehyde	ISO 14362-3:2017
	Chemical Testing	Extractable heavy metals	ISO 18254:2016
	Chemical Testing	Extractable metals	ISO 21084:2019
	Chemical Testing		ISO 14389:2014
	Chemical Testing		CPSC-CH-C1001-09.4
	Chemical Testing		AATCC 112-2014
Leather	Chemical Testing		ISO 14184-1:2011
	Chemical Testing		ISO 14184-2:2011
	Chemical Testing		JIS L1041:2011

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Textiles	Chemical Testing	PAH	ISO 16190:2021
	Chemical Testing	Chlorophenol	DIN 50009:2021-01
	Chemical Testing	DMFU	ISO 16186:2021
	Chemical Testing	Bisphenol A (BPA)	In-house method

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