

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

31-01-2023  
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

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
Textiles	Physical	Fabric Weight	BS EN 12127:1998 ASTM D3776:2020 ISO 3801:1977
	Physical	Tear Strength: Trouser Shaped	BS EN ISO 13937-2:2000
	Physical	Tear strength of textiles: Wing shaped	BS EN ISO 13937-3:2000
	Physical	Tear strength of textiles: Elmendorf method	BS EN ISO 13937-1:2000 ASTM D1424:2021
	Physical	Tensile Strength Strip Method	BS EN ISO 13934-1:2013 ASTM D5035:2019
	Physical	Tensile Strength Grab Method	BS EN ISO 13934-2:2014 ASTM D5034:2021
	Chemical	Fiber Analysis: Quantitative	AATCC TM20A-2021 ISO 1833-6:2018
	Chemical	Fiber Analysis: Qualitative	AATCC TM20-2021
	Chemical	Determination of pH of aqueous extract	ISO 3071:2020
	Physical	Twist in Single Spun Yarns by Untwist-Retwist Method	ASTM D 1422:2020 ISO 17202:2002
	Physical	Twist in Yarns by Direct-Counting	ASTM D1423:2022

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Textiles	Physical	Abrasion Resistance of Fabrics: Martindale Method	ISO 12947-2:2016 ASTM D4966:2022
	Physical	Resistance to Surface Fuzzing and Pilling & Matting: Martindale method	ISO 12945-2:2020 ISO 12945-4:2020 ASTM D4970:2022
	Physical	Resistance to Pilling and Fuzzing: Random Tumble Pilling Test	ASTM D3512:2022 ISO 12945-3:2020
	Physical	Bursting Strength (Pneumatic Test)	ISO 13938-2:2019 ASTM D3786:2018
	Physical	Color Fastness to Rubbing	ISO 105-X12:2016 AATCC TM8:2016
	Physical	Color fastness to Artificial Light: Xenon-Arc	BS EN ISO 105 B02:2014 AATCC TM16.3:2020
	Physical	Color fastness to Water	ISO 105-E01:2013
	Physical	Color fastness to Perspiration	ISO 105-E04:2013 AATCC 15:2021
	Physical	Color fastness to Washing	ISO 105 CO6:2010 AATCC 61:2020 ISO 105 CO3:1989
	Physical	Color fastness to Dry Cleaning	BS EN 105 DO1:2010 TM132-2004e3(2013) e3
	Physical	Color fastness to Phenolic Yellowing	ISO 105 X18:2007
	Physical	Color fastness to Artificial Saliva	DIN 53160-1: 2010
	Physical	Soil Release: Oily Stain Release	AATCC TM130-2018t
	Physical	Domestic Washing and Drying Procedures for Textile Testing/Dimensional Stability	ISO 6330:2021 AATCC 135:2018 BS EN ISO 5077:2007

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Textiles	Physical	Dimensional Stability of Garments after Home Laundering	AATCC TM150:2018
	Physical	Smoothness Appearance After Home Laundering	AATCC TM124-2018t
	Physical	Seam Smoothness in Fabrics After Home Laundering	AATCC TM88B-2018t
	Physical	Absorbency of Textiles	AATCC TM79:2018e
	Physical	Vertical Wicking of Textiles	AATCC TM197:2018e
	Physical	Linear Density of Yarn by Skein Method	ASTM D1907:2018
	Physical	Linear Density of Yarn by Short Length Method	ASTM D1059:2022
	Physical	Construction of Woven Fabrics	BS EN 1049-2:1994 ISO 7211-2:1984
	Physical	Yarn Unevenness, Neps, Thick/Thin, Hairiness	ASTM D1425:2020
	Physical	Width of Fabric	ASTM D3774:2018
	Physical	Particle Filtration Efficiency	EN 143:2021
	Physical	Synthetic Blood Splash	ISO 22609:2004
	Physical	Face Mask Differential Pressure	BS EN 14683:2019
	Physical	Synthetic Blood Penetration	ISO 16603:2004
	Physical	Water Impact Penetration	AATCC TM42:2017e
Physical	Hydrostatic Pressure Test	AATCC TM127-2018e ISO 811:2018	

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Textiles	Chemical	Aromatic Amines from Azo Colorants	BS EN ISO 14362-1:2017 BS EN ISO 14362-3:2017
	Chemical	APEO	BS EN ISO 18254-1:2016
	Chemical	AP	BS EN ISO 21084:2019
	Chemical	Phthalate content - Tetrahydrofuran method	ISO 14389:2022 CPSC-CH-C1001-09.4
	Chemical	Formaldehyde	AATCC 112-2020 ISO 14184-1:2011 ISO 14184-2:2011 JIS L1041:2011
	Chemical	Extractable heavy metals	EN 16711-2:2016
	Chemical	Odour	SNV 195651
Leather	Chemical	Extractable metals	ISO 17072-1:2019
Textiles	Physical	Liquid Moisture Management Properties	AATCC TM195-2017e
Textiles	Physical	Air permeability	ASTM D737-18 ISO 9237:1995
	Physical	Thermal Resistance of Textile (Rct)	BS EN SO 11092:2014
	Physical	Water-vapour resistance (Ret)	BS EN SO 11092:2014
	Physical	Rubber- or plastics-coated fabrics for water-resistant clothing (Annex I)	ISO 8096:2005
	Physical	Water vapour permeability Index	BS 7209:1990
	Physical	Coated Fabrics- water vapour permeability Index	BS 3424-34
	Physical	Stiffness of fabrics by the circular bend procedure	ASTM D4032-08:2016

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	Physical	Relative Hand Value of Textiles	AATCC TM202:2020
	Physical	Drying Time of Textiles: Moisture Analyzer	AATCC TM199:2018
	Physical	Thickness of Textile Materials	ASTM D1777-96:2019
	Physical	Limited flame spread of face or bottom edge of vertically oriented specimens	BS EN 15025:2016 ISO 6940:2004 BS EN 532:1995 BS EN 5438:1989 BS 7837:1996 BS EN ISO 6941:2003 BS EN 1625:1999
	Physical	Flame Resistance of Textiles (Vertical Test)	ASTM D6413:2022

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