

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 185
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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 **11-11-2028**.

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

04-03-2026

Date

-SD-

Director General

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 185
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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 Testing	Liquid Moisture Management Properties	AATCC TM195-2017e
	Physical Testing	Air permeability	ASTM D737-18 ISO 9237:1995
	Physical Testing	Thermal Resistance of Textile (Rct)	BS EN ISO 11092:2014 ASTM F1868-02
	Physical Testing	Water-Vapour resistance (Ret)	BS EN ISO 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 TM202:2020
	Physical Testing	Drying Time of Textiles: Moisture Analyzer	AATCC TM199:2018

04-03-2026
Date

Sd. _____
Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 185

Physical Testing	Thickness of Textile Materials	ASTM D1777-96:2019
Physical Testing	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 Testing	Flame Resistance of Textiles (Vertical Test)	ASTM D6413:2022
Physical Testing	Particle Filtration Efficiency	EN 143:2021
Physical Testing	Synthetic Blood Splash	ISO 22609:2004
Physical Testing	Face Mask Differential Pressure	BS EN 14683:2019
Physical Testing	Fabric Weight	BS EN 12127:1998 ASTM D3776:2020 ISO 3801:1977
Physical Testing	Tear Strength: Trouser Shaped	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 Single Spun Yarns by Untwist-Retwist Method	ASTM D 1422:2020 ISO 17202:2002
Physical Testing	Twist in Yarns by Direct-Counting	ASTM D1423:2022
Physical Testing	Abrasion Resistance of Fabrics: Martindale Method	ISO 12947-2:2016 ASTM D4966:2022

04-03-2026
Date

Sd.
Director



ACCREDITATION DOCUMENT

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 185

Physical Testing	Resistance to Surface Fuzzing and Pilling & Matting: Martindale method	ISO 12945-2:2020 ISO 12945-4:2020 ASTM D4970:2022
Physical Testing	Resistance to Pilling and Fuzzing: Random Tumble Pilling Test	ASTM D3512:2022 ISO 12945-3:2020
Physical Testing	Bursting Strength (Pneumatic Test)	ISO 13938-2:2019 ASTM D3786:2023
Physical Testing	Color Fastness to Rubbing	ISO 105-X12:2016 AATCC TM8:2022
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 105 DO1:2010 AATCC TM132-2013
Physical Testing	Color fastness to Phenolic Yellowing	ISO 105 X18:2007
Physical Testing	Color fastness to Artificial Saliva	DIN 53160-1: 2010
Physical Testing	Soil Release: Oily Stain Release	AATCC TM130-2018t
Physical Testing	Domestic Washing and Drying Procedures for Textile Testing/Dimensional Stability	ISO 6330:2021 AATCC 135:2018 BS EN ISO 5077:2007
Physical Testing	Dimensional Stability of Garments after Home Laundering	AATCC TM150:2018
Physical Testing	Smoothness Appearance After Home Laundering	AATCC TM124-2018t
Physical Testing	Seam Smoothness in Fabrics After Home Laundering	AATCC TM88B-2018t

04-03-2026
Date

Sd.
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 185

Physical Testing	Absorbency of Textiles	AATCC TM79:2018e
Physical Testing	Vertical Wicking of Textiles	AATCC TM197:2022
Physical Testing	Linear Density of Yarn by Skein Method	ASTM D1907:2018
Physical Testing	Linear Density of Yarn by Short Length Method	ASTM D1059:2022
Physical Testing	Construction of Woven Fabrics	BS EN 1049-2:1994 ISO 7211-2:1984
Physical Testing	Yarn Unevenness, Neps, Thick/Thin, Hairiness	ASTM D1425:2020
Physical Testing	Width of Fabric	ASTM D3774:2018
Physical Testing	Synthetic Blood Penetration	ISO 16603:2004
Physical Testing	Water Impact Penetration	AATCC TM42:2017e
Physical Testing	Hydrostatic Pressure Test	AATCC TM127-2018e ISO 811:2018
Chemical Testing	Fiber Analysis: Quantitative	AATCC TM20A-2021 ISO 1833-6:2019
Chemical Testing	Fiber Analysis: Qualitative	AATCC TM20-2021
Chemical Testing	Determination of pH of aqueous extract	ISO 3071:2020
Chemical Testing	Aromatic Amines from Azo Colorants	BS EN ISO 14362-1:2017 BS EN ISO 14362-3:2017
Chemical Testing	Alkyl Phenol Ethoxylates (APEO)	BS EN ISO 18254-1:2016

04-03-2026
Date

Sd.
Director



**ACCREDITATION
DOCUMENT**

F-06/02
Issue Date: 18/08/2020
Rev. No: 09
LAB 185

	Chemical Testing	Alkyl Phenol (AP)	BS EN ISO 21084:2019
	Chemical Testing	Phthalate content - Tetrahydrofuran method	ISO 14389:2022 CPSC-CH-C1001-09.4
	Chemical Testing	Formaldehyde	AATCC 112-2020 ISO 14184-1:2011 ISO 14184-2:2011 JIS L1041:2011
	Chemical Testing	Extractable heavy metals	EN 16711-2:2016
	Chemical Testing	Polycyclic Aromatic Hydrocarbon (PAH)	ISO 16190:2021 AfPS GS 2019:01 PAK guideline
	Chemical Testing	Chlorophenols	DIN 50009:2021-01
	Chemical Testing	Dimethyl Fumarate (DMFu)	ISO 16186:2021
	Chemical Testing	Bisphenol A(BPA)	LD-NTRC-10002
	Chemical Testing	Determination of dyes after methanol extraction (Banned Colorants)	DIN 54231:2022
	Chemical Testing	Quinoline	LD-NTRC-10003
Leather	Chemical Testing	Extractable Metals	ISO 17072-1:2019

04-03-2026
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