

# Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



## Certificate of Accreditation

### **Modern Testing Services (India) Private Limited**

House List No. 608, SD complex, 2nd Floor, Site no. 42/44, 7h Main,  
4th Cross Road, Hongasandra Village, Begur Hobli,  
Bengaluru- 560068, Karnataka, India

(Previous Address: Khata #275/270/271, Survey #37/1, S.D. Chambers, 2<sup>nd</sup> & 3<sup>rd</sup> Floor, Singasandra Village,  
Hosur Main Road, Bengaluru- 560068, Karnataka, India)

has been assessed and accredited in accordance with the Standard

**ISO/IEC 17025:2017**

“General Requirements for the Competence of Testing and Calibration Laboratories”  
In the field of  
**Testing**

This certificate remains valid for the Scope of Accreditation as specified  
in the annexure subject to continued compliance to the above standard &  
any other requirements specified by QAI.



**QAI/CIA/TL/2024/0079**

Valid from: 10 October 2024

Valid until: 09 October 2026

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: [www.qai.org.in](http://www.qai.org.in)



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Hazardous and Restricted Chemicals</b>		
1.	Fabric and garments	Determination of formaldehyde	ISO 14184-1-2011
2.	Fabric and garments	Determination of formaldehyde (Released formaldehyde)	BS EN ISO 14184 -2-2011
3.	Fabric and garments	Test methods for resin finished textiles	JIS-L-1041- 2011
4.	Fibre & filaments, yarns & chords, grey fabric, finished fabric, apparel & garments	pH of the water- extract from wet processed textiles	AATCC 81-2022
5.	Fibre & filaments, yarns & chords, grey fabric, finished fabric, apparel & garments	pH of aqueous extract	BS EN ISO 3071-2020
6.	Textiles	Formaldehyde - release from fabric	AATCC 112-2020
7.	Textiles	Formaldehyde -spot test	AATCC 94-2020
8.	Leather	pH of aqueous extract	ISO 4045-2018
9.	Fabric, apparel & garments	pH of aqueous extract	TM33-2020 based on ISO 3071-2020
10.	Fabric, apparel & garments	Formaldehyde spot test	LS & CO 51-2007 Based on AATCC 94-2020

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
1.	Fabrics, apparel & textiles	Fiber analysis: qualitative	AATCC Test Method 20-2021
2.	Fabrics, apparel & textiles	Fiber analysis: quantitative	AATCC Test Method 20A (Method 1, 2, 3, 4, 5, 6, 7)-2021e
3.	Fabrics, apparel & textiles	Quantitative - chemical analysis (fibre) (mixtures of viscose, cupro or modal and cotton fibres)	ISO 1833-5-2006
4.	Fabrics, apparel & textiles	Quantitative chemical analysis - (fibre)- mixtures of polyamide and certain other fibres	ISO 1833-7-2017
5.	Fabrics, apparel & textiles	Quantitative chemical analysis (fibre) (mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres)	ISO 1833-12-2020
6.	Fabrics, apparel & textiles	Quantitative chemical analysis (fibre)- (mixtures of cellulose and polyester fibres)	ISO 1833-11-2017
7.	Fabrics, apparel & textiles	Quantitative chemical analysis (fibre) (ternary fibre mixtures)-cellulosic fibres	ISO 1833-2-2020

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
8.	Fabrics, apparel and textiles	Quantitative chemical analysis - (fibre) (ternary fibre mixtures) elastane	ISO 1833-2-2020
9.	Fabrics, apparel and textiles	Quantitative chemical analysis- (fibre) (ternary fibre mixtures) polyester	ISO 1833-2-2020
10.	Fabrics, apparel and textiles	Quantitative chemical analysis (fibre)- general principles of testing	ISO 1833-1-2020
11.	Finished fabric, apparel & garments	Color fastness to artificial saliva	DIN 53160-1-2010
12.	Finished fabric, apparel & garments	Color fastness to artificial sweat	DIN 53160-2-2010
13.	Grey fabric, finished fabric, apparel & garments	Color fastness to phenolic yellowing	ISO 105-X18-2007
14.	Grey fabric, finished fabric, apparel & garments	Dimensional change in washing and drying	ISO 5077-2007
15.	Grey fabric, finished fabric, apparel & garments	Dimensional changes of fabrics after home laundering	AATCC 135-2018t
16.	Grey fabric, finished fabric, apparel & garments	Dimensional changes of garments after home laundering	AATCC 150-2018t

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
17.	Grey fabric, finished fabric, apparel & garments	Domestic washing and drying procedures for textile testing	BS EN ISO 6330-2021
18.	Grey fabric, finished fabric, apparel & garments	Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change	ISO 3759-2011
19.	Grey fabric, finished fabric, apparel & garments	Skew change in fabrics after home laundering	AATCC 179-2023
20.	Grey fabric, finished fabric, apparel & garments	Spirality (knitted garment)	ISO 16322-1-2005
21.	Grey fabric, finished fabric, apparel & garments	Spirality (woven & knitted fabric)	ISO 16322-2-2021
22.	Grey fabric, finished fabric, apparel & garments	Spirality (woven & knitted fabrics & garment)	ISO16322 -3-2021
23.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to dry cleaning	AATCC TM 132-2013

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
24.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to laundering accelerated	AATCC TM 61-2020
25.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to perspiration	BS EN ISO 105-E04-2013
26.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to sea water	BS EN ISO 105-E02-2013
27.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to water	BS EN ISO 105-E01-2013
28.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to light	AATCC TM 16.3-2020
29.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to domestic and commercial laundering	BS EN ISO 105-C06-2010
30.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to crocking	AATCC 8-2022

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
31.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to domestic and commercial laundering	BS EN ISO 105 - C08-2010
32.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to rubbing	BS EN ISO 105-X12-2016
33.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to perspiration	AATCC 15-2021
34.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to sea water	AATCC 106-2013
35.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to water	AATCC 107-2022
36.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to artificial light	BS EN ISO 105-BO2-2014



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
37.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to dry cleaning	BS EN ISO 105-D01-2010
38.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to washing with soap or soap and soda	BS EN ISO 105 C-10-2007
39.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Color fastness to storage dye transfer	AATCC 163-2013
40.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to chlorinated water	ISO 105 E03-2010
41.	Yarns & chords, grey fabric, finished fabric, apparel & garments	Colour fastness to chlorinated pool water	AATCC 162-2011
42.	Grey fabric, finished fabric, apparel & garments	Smoothness appearance of fabrics after home laundering	AATCC 143-2018te
43.	Grey fabric, finished fabric, apparel & garments	Smoothness appearance of fabrics after home laundering	AATCC 124-2018te

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
44.	Woven fabric	Water repellency: spray test	AATCC TM 22-2017
45.	Fabric, apparel & garments	Absorbency of textiles	AATCC TM 79-2018
46.	Fabric, apparel & garments	Textile fabrics - determination of resistance to surface wetting (spray test)	ISO 4920-2012
47.	Fabric, garment & apparels	Colour fastness to light	TM1-2021 Based on ISO B02-2014
48.	Fabric, apparel & garments	Colour fastness to washing	TM2-2023 Based on BS EN ISO 105-C06-2010
49.	Fabric, apparel & garments	Cross staining to washing	TM2a-2023 Based on BS EN ISO 105-C06-2010
50.	Fabric, apparel & garments	Colour fastness to dry cleaning	TM3-2020 Based on BSEN ISO 105-D01-2010
51.	Fabric, apparel & garments	Cross staining to dry cleaning	TM3a-2020 Based on BSEN ISO 105-D01-2010
52.	Fabric, apparel & garments	Colour fastness to water	TM4-2020 Based on BS EN ISO 105-E01-2013
53.	Fabric, apparel & garments	Cross staining to water	TM4a-2020 Based on BS EN ISO 105-E01-2013
54.	Fabric, apparel & garments	Colour fastness to chlorinated water	TM5-2020 Based on ISO 105 E03-2010

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
55.	Fabric, apparel & garments	Colour fastness to rubbing	TM6-2020 Based on BS EN ISO 105-X12-2016
56.	Fabric, apparel & garments	Print durability	TM7-2023 Based on BS EN ISO 6330-2021
57.	Fabric, apparel & garments	Embellishment durability (children's wear)	TM7a-2023 Based on BS EN ISO 6330-2021
58.	Fabric, apparel & garments	Embellishment assessment after 5x label washes	TM7b-2023 Based on BS EN ISO 6330-2021
59.	Fabric, apparel & garments	Foil durability	TM7c-2018 Based on BS EN ISO 6330-2021
60.	Fabric, apparel & garments	Durawash appearance after washing	TM8-2023 Based on BS EN ISO 6330-2021
61.	Fabric, apparel & garments	Appearance assessment after washing	TM9-2023 Based on BS EN ISO 6330-2021
62.	Fabric, apparel & garments	Dimensional stability to washing	TM12-2023 Based on BS EN ISO 6330-2021, ISO 3759-2011, ISO 5077-2007
63.	Fabric, apparel & garments	Spirality	TM13-2020 Based on ISO 16322-2-2021
64.	Fabric, apparel & garments	Spray rating	TM23-2020 Based on AATCC TM 22-2017

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
65.	Fabric, apparel & garments	Colour fastness to phenolic yellowing	TM43-2020 Based on ISO 105-X18-2007
66.	Fabric, apparel & garments	Colour fastness to saliva	TM48-2020 Based on ISO 105 E04-2013
67.	Fabric, apparel & garments	Corrosion	TM49-2020 Based on BS EN ISO 22775-2-2004
68.	Fabric, apparel & garments	Towel absorption	TM50-2020 Based on AATCC 79-2018
69.	Fabric, apparel & garments	Colour fastness to sea water	TM51-2020 Based on BS EN ISO 105-E02-2013
70.	Fabric, apparel & garments	Colour fastness to perspiration	TM52-2020 Based on BS EN ISO 105-E04-2013
71.	Fabric, apparel & garments	Colour fastness to oxidative bleach	TM55-2023 Based on ISO 105 C09-2001
72.	Fabric, apparel & garments	Moisture management	TM58-2020- Based on AATCC 197-2022
73.	Fabric, apparel & garments	Pile loss during washing	TM61-2023 Based on BS EN ISO 6330-2021
74.	Apparel and textiles	Fiber content	Regulation EU 1007: 2011
75.	Fabric, apparel & garments	Bow and skew of fabrics	TM38-2020 Based on ASTM D 3882-2020

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
76.	Fabric, apparel & garments	Bow and skew of garments	TM38a-2020 Based on ISO 16322 -3-2021
77.	Textile accessories	Appearance, durability, prints, etc.	LS & CO 12-2008 Based on BS EN ISO 6330-2021
78.	Textile accessories	Button appearance	LS & CO 25A-2010 Based on BS EN ISO 6330-2021
79.	Fabric, apparel & garments	Colour fastness to ozone	LS & CO 37-2004 Based on ISO-105-G03: 1993
80.	Textile accessories	Closure durability	LS & CO 61-2018 Based on BS EN ISO 6330-2021
81.	Fabric, apparel & garments	Garment performance after cleaning	LS & CO 23A-2024 Based on AATCC143-2018
82.	Fabric, apparel & garments	Liquid repellency- spray substantiation	LS & CO 46-2021 Based on AATCC TM 193-2023
83.	Fabric, apparel & garments	Skew movement	LS & CO 2-2023 Based on ISO 16322-2-2021
84.	Fabric, apparel & garments	Water repellency-drop	LS & CO 42-2023-AATCC TM 193-2023
85.	Fabric, apparel & garments	WF bottoms appearance	LS & CO 27A-2023 Based on AATCC143-2018
86.	Fabric, apparel & garments	WF shirts appearance	LS & CO 27B-2024 Based on AATCC143-2018

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
87.	Fabric, apparel & garments	Wicking	LS & CO 44-2004 Based on AATCC 197 Modified-2022
88.	Fabric, Apparel & Garments	Colour Fastness to Ozone	ISO-105-G03: 1993
89.	Fabric, apparel & garments	Absorbency of textiles	AATCC 79-2018 Modified Based on AATCC 79-2018
90.	Fabric, apparel & garments	Vertical wicking of textiles	AATCC 197 Modified-2022 Based on AATCC 197-2022
91.	Fabric, apparel & garments	Flash reflective	LS & CO 62-2019 Based on BS EN ISO 6330-2021
92.	Fabric, apparel & garments	Test method for oil repellency: hydrocarbon resistance	AATCC TM 118-2020
93.	Fabric, apparel & garments	Aqueous liquid repellency: water/ alcohol solution resistance test	AATCC TM 193-2023
94.	Apparel & garments	Spirality (woven & knitted garment)	AATCC TM 207-2019



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
1.	Fabric (woven & knitted)	Tear strength	BS EN ISO 13937-1-2000
2.	Fabric (woven & knitted)	Tearing strength	ASTM D1424-09-2021
3.	Fabric (woven & knitted)	Tensile (grab method)	BS EN ISO 13934 – 2-2014
4.	Fabric, apparel & garments	Bursting strength of textile fabrics	ASTM D3786/D3786 M-2023
5.	Fabric, apparel & garments	Fabric propensity to surface fuzzing and to pilling	BS EN ISO 12945-2-2020
6.	Fabric, apparel & garments	Fabric propensity to surface fuzzing and to pilling. Pilling box method	BS EN ISO 12945-1-2020
7.	Fabric, apparel & garments	Failure in sewn seams of woven fabrics	ASTM D1683/ D1683M-2022
8.	Fabric, apparel & garments	Flammability of apparel textile	16 CFR 1610-2012
9.	Fabric, apparel & garments	Flammability of apparel textiles	ASTM D1230-2022
10.	Fabric, apparel & garments	Mass per unit area (weight) of fabric	ASTM D3776/ D3776M-09a-2020
11.	Fabric, apparel & garments	Mass per unit area using small samples	BS EN 12127-1998
12.	Fabric, apparel & garments	Pile fabric abrasion	ASTM D4685-2020

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# Quality And Accreditation Institute Centre for International Accreditation

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## Scope of Accreditation

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QAI/CIA/TL/2024/0079

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(Address change w.e.f.: 19 May 2025)

Valid until: 09 October 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
13.	Fabric, apparel & garments	Pilling resistance and other related surface changes of textile fabrics: random tumble pilling tester	ASTM D 3512/D3512M-2022
14.	Fabric, apparel & garments	Seam tensile properties	BS EN ISO 13935-1-2014
15.	Fabric, apparel & garments	Seam tensile properties (grab method)	BS EN ISO 13935 -2-2014
16.	Fabric, apparel & garments	Slippage resistance of yarns	BS EN ISO 13936-2-2004
17.	Fabric, apparel & garments	Slippage resistance of yarns	BS EN ISO 13936-1-2004
18.	Fabric, apparel & garments	Woven fabrics- mass per unit length and mass per unit area	ISO 3801 Method 5-1977
19.	Fabrics (woven & knitted)	Width and length of fabrics	ISO 22198-10-01-2006
20.	Fabrics (woven & knitted)	Width of textile fabric	ASTM D3774-2018
21.	Fabrics (woven and non-woven)	Breaking strength of textile fabrics (grab test)	ASTM D5034-09-2021
22.	Fabrics (woven and non-woven)	Resistance to slippage of yarns in woven fabrics using a standard seam	ASTM D434-1995
23.	Garments and apparel	Specification for tolerances for knitted fabrics	ASTM D3887-96 RA-2008 (Clause 12)

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## Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
24.	Knitted fabric	Stretch properties of knitted fabrics having low power	ASTM D2594-04-2021
25.	Textile accessories	Removal force of attached components	BS 7907 (Annexure B)-2007
26.	Textile accessories	Sharp edge	ASTM F 963-2023 (4.7), 16 CFR 1500.49-2022, EN 71-1:2018 + A1
27.	Textile accessories	Sharp point	ASTM F 963-2023(4.9), 16 CFR1500.48, EN 71-1:2022 + A1(4.8)
28.	Textile accessories	Small parts	16 CFR 1501.4-2022, ASTM F963-11: 2023 Section 4.6, EN 71-1:2018 (8.2) + A1
29.	Textile accessories	Tension	ASTM F 963-11:2017 Section 8.9, 16 CFR Part 1500.50, 16 CFR Part 1500.51, 16 CFR Part 1500.52, 16 CFR Part 1500.53, EN 71-1:2014 + A1
30.	Textile accessories	Torque	Section 8.8, 16 CFR Part 1500.50-2022, 16 CFR Part 1500.51-2022, 16 CFR Part 1500.52-2022, 16 CFR Part 1500.53 - 2022& ASTM F 963-2023
31.	Woven fabric	Abrasion resistance	BS EN ISO 12947-1-1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
32.	Woven fabric	Abrasion resistance- appearance change	BS EN ISO 12947-4-1998
33.	Woven fabric	Abrasion resistance of textile fabrics	ASTM D4966-2022
34.	Woven fabric	Abrasion resistance- specimen breakdown	BS EN ISO 12947-2-2016
35.	Woven fabric	Stretch properties of fabrics woven from stretch yarns	ASTM D3107 (RA 2015)-2019
36.	Woven fabrics	Abrasion resistance- mass loss	BS EN 12947-3-1998
37.	Woven fabrics	End (warp) and pick (filling) count of woven fabrics	ASTM D3775-2017
38.	Woven fabrics	Threads per unit length	ISO 7211-2-1984
39.	Fabric, apparel & garments	Pilling resistance and other related surface changes of textile fabrics: Martindale tester	ASTM D4970-2020
40.	Fabric, apparel & garments	Tensile properties of fabrics part 1: determination of maximum force and elongation at maximum force using the strip method	ISO 13934-1-2013



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
41.	Fabric, apparel & garments	Determination of the elasticity of fabrics. Strip tests (British standard)	ISO 14704-1-2005
42.	Fabric, apparel & garments	Determination of the elasticity of fabrics - part 3: narrow fabrics	ISO 14704-3-2006
43.	Fabric, apparel & garments	Bursting properties of fabrics part 1: hydraulic method for determination of bursting strength and bursting distension	ISO 13938-1-2019
44.	Fabric, apparel & garments	Standard test method for tension and elongation of elastic fabrics (constant-rate-of-extension type tensile testing machine)	ASTM D 4964-96-2020
45.	Fabric, apparel & garments	Tear properties of fabrics part 2: determination of tear force of trouser-shaped test specimens (single tear method)	ISO 13937-2-2000
46.	Fabric, apparel & garments	Specification for slide fasteners	BS EN 16732-2015
47.	Fabric, apparel & garments	Standard test method for bow and skew in woven and knitted fabrics	ASTM D 3882-2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
48.	Fabric, apparel & garments	Seam stretchability of knitted garment	AATCC-TS015
49.	Fabric, apparel & garments	Polar fleece assessment	TM11-2023 Based on BS EN ISO 6330-2021
50.	Fabric, apparel & garments	Grab strength / seam slippage	TM16-2020 Based on ASTM D 1683 - 2022
51.	Fabric, apparel & garments	Seam slippage of garments	TM16a-2020 Based on ISO 13936-1 - 2004
52.	Fabric, apparel & garments	Tear strength	TM17-2020 Based on ASTM D 1424-09-2021
53.	Fabric, apparel & garments	Martindale abrasion	TM18-2020 Based on ISO 12947-4 - 1998
54.	Fabric, apparel & garments	Abrasion resistance for flat home fabrics	TM18a-2020 Based on ISO 12947-3 - 1998
55.	Fabric, apparel & garments	Abrasion resistance for pile home fabrics	TM18b-2021 Based on ASTM D 4685-2020
56.	Fabric, apparel & garments	Pilling resistance	TM19-2021 Based on ISO 12945-1-2020
57.	Fabric, apparel & garments	Mass per unit area / gsm	TM20-2020 Based on ISO 3801-1997
58.	Fabric, apparel & garments	Extension and modulus	TM21-2020 Based on EN 14704-1-2005

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
59.	Fabric, apparel & garments	Extension and recovery	TM21a-2020 Based on EN 14704-3-2006
60.	Fabric, apparel & garments	Bursting strength	TM22-2020 Based on ASTM D3786/D3786 M-2023
61.	Fabric, apparel & garments	Wing rip tear strength	TM25-2020 Based on ASTM D 2261-2024
62.	Fabric, apparel & garments	Swiss pilling	TM26-2021 Based on ISO 12945-2-2020
63.	Fabric, apparel & garments	Breaking strength	TM27-2020 Based on ASTM D 5034-09-2021
64.	Fabric, apparel & garments	Button strength	TM37-2020 Based on BS 4162-1983
65.	Fabric, apparel & garments	Attachment strength	TM42-2021 Based on EN 71 Part-1 -2021
66.	Fabric, apparel & garments	Security of unattached components	TM42a-2020 Based on PDCEN/TR 17394-2-2020
67.	Fabric, apparel & garments	Handle attachment strength	TM45-2020 Based on ASTM D 5034-09-2021
68.	Fabric, apparel & garments	Mass per unit length	TM62-2023 Based on ISO 3801-1997
69.	Fabric, apparel & garments	Fabric width	TM63-2020 Based on ASTM D 3774-2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
70.	Fabric, apparel & garments	Ends and picks	TM64-2020 Based on ASTM D 3775-2017
71.	Fabric, apparel & garments	Courses and wales	TM65-2020 Based on ASTM D 3887-96-RA-2008
72.	Textile accessories	Beltloop attachment strength	LS & CO 11-1999 Based on ASTM D 5034-2021
73.	Textile accessories	Adjustable waistband safety process	LS & CO 50-2004- Based on ASTM D 5034-2021
74.	Fabric, apparel & garments	Breaking strength	ASTM D5034 Modified-2021 Based on ASTM D5034-2021
75.	Textile accessories	Button fastener attachment strength	LS & CO 25B-2005 Based on 16 CFR 1500-51,52,53-2018
76.	Textile accessories	Child safety (torque & tension)	LS & CO 38-2003 Based on 16 CFR 1500-51,52,53-2018
77.	Fabric, apparel & garments	Garment measurement bottom-Is & co 41a	LS & CO 41A-2023 Based on BS EN ISO 6330-2021
78.	Fabric, apparel & garments	Garment measurement top-Is & co 41b	LS & CO 41B-2023 Based on BS EN ISO 6330-2021
79.	Textile accessories	Narrow elastic load elongation and recovery	LS & CO 63-2018 Based on ISO 14704-3-2006

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# Quality And Accreditation Institute

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Textile</b>		
80.	Fabric, apparel & garments	Pile fastness of textile fabrics (taber method)	ASTM D4685 Modified-2020 Based on ASTM D4685-2020
81.	Fabric, apparel & garments	Seam slippage waistband	LS & CO 16-2004 Based on ASTM D1683/ D1683M-2022
82.	Fabric, apparel & garments	Stretch and recovery	LS & CO 56-2017 Based on EN 14704-3-2006
83.	Fabric, apparel & garments	Stretch properties of woven fabrics	ASTM D3107 Modified-2019 Based on ASTM D 3107-2019
84.	Fabric, apparel & garments	Tearing resistance	ASTM D1424 Modified-2021 Based on ASTM D 1424-2021
85.	Fabric, apparel & garments	Tensile strength of strap	LS & CO 52-2017 Based on ASTM D 5034-09-2021
86.	Fabric, apparel & garments	Weight	LS & CO 21-2004 Based on ISO 3801-5-1977
87.	Fabric, apparel & garments	Abrasion resistance of textile fabrics	ASTM D 3884-2022
88.	Textile accessories	Zipper reciprocating (slide fasteners)	BS 3084-2015
89.	Fabric, apparel & garments	Tearing strength by the tongue tear method	ASTM D2261-2024

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