

Quality And Accreditation Institute

Centre for International Accreditation



QAI CIA is an ILAC MRA Signatory

Certificate of Accreditation

ITS Labtest Bangladesh Limited

*C & F Tower (6th & 11th Floors), 1712 SK. Mujib Road, Agrabad C/A
Chattogram, Bangladesh*

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/2026/0175

Valid from: 03 July 2026

Valid until: 02 July 2028

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
1.	Yarns & Cords, Finished Fabric Apparels/ Garments, Made ups, Terry Fabrics & its products	pH Value in aqueous extract/ water extract	BS EN ISO 3071:2020 ISO 3071:2020 AATCC TM81-2022 GB/T 7573-2025
2.	Textile & its Accessories	Determination of formaldehyde in textile materials with Vapour absorption method	ISO 14184-2 :2011 AATCC TM112-2020
3.	Textile & its Accessories	Determination of formaldehyde in textile materials with extraction method	ISO 14184-1 :2011 JIS L 1041-2011 GB/T 2912.1-2009
4.	Textile & its Accessories, Toys & Sports Equipment, Prints, Leather Products	Determination of APEOs content Alkylphenols (APs) Nonylphenol (NP) Nonylphenoethoxylates (NPEOs) Octylphenoethoxylates (OPEOs)	BS EN ISO 18254-1:2016 EN ISO 21084:2019 EN ISO 18254-1:2016 EN ISO 18218-1:2023 ASTM D7742-17(2024)
5.	Plastic & Other Polymeric products	Total Cadmium content	BS EN 1122:2001 GB/T 30157-2013 BS EN 16711-1- 2016 ISO 17072-2:2019

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
6.	Textile & its Accessories	Banned aryl amines from Azo dyes [o-Toluidine (95-53-4); 2-Methoxyaniline (90-04-0); p-Chloroaniline (106-47-8); p-Kresidine (120-71-8); 2,4,5-Trimethylaniline(137-17-7); 4-Chloro-o-Toluidine (95-69-2); 2,4-Toluylenediamine (95-80-7); 2,4-Diaminoanisole (615-05-4); 2-Napthylamine (91-59-8); 2-Amino-4-Nitrotoluene (99-55-8); 4-Aminodiphenyle (92-67-1); 4,4'-Oxydianiline (101-80-4); Benzidine (92-87-5); 4,4'-Diaminodiphenylmethane (101-77-9); o-Aminoazotoluene (97-56-3); 3,3'-Dimethyl-4,4'- Diaminodiphenylmethane (838-88-0); 3,3'-Dimethylbenzidine (119-93-7); 4,4'-Thiodianiline (139-65-1); 3,3'-Dichlorobenzidine (91-94-1);	BS EN ISO 14362 part-1-2017 BS EN ISO 14362 part-3-2017



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		4,4'-Methylene-bis-(2-Chloroaniline) (101-14-4); 3,3'-Dimethoxybenzidine (119-90-4); 2,4-Xylidine (95-68-1); 2,6-Xylidine (87-62-7); Aniline(62-53-3) P-Aminoazobenzene (60-09-3); 1,4 – Phenylenediamine (106-50-3)	
7.	Textile & its Accessories, Toys & Sports Equipment, Prints, Leather products	Total Lead content in non-metal CPSIA 2008 – Public law No. 110-314	USEPA method 3051 A USEPA method 3050 B CPSC-CH-E1002-08.3-2012
8.	Textile & its Accessories, Others- Metallic Accessories	Total Lead content in metal items including children jewellery CPSIA 2008 – Public law No. 110-314	CPSC-CH-E1001-8.3-2012 ASTM E 1613-2012
9.	Textile & its Accessories, Toys & Sports Equipment, Leather products, Prints	Total Lead Content in surface coating / paint (16 CFR 1303:2008 / CPSIA 2008- public law No. 110-314 –Title 1 section 101)	16 CFR CPSC Part 1303: 2008 CPSC-CH-E1003-09.1-2011 ASTM E 1645-21

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
10.	Textile & its Accessories	Determination of Chlorophenols (TriCP, TeCP, PCP, OPP)	35 LMBG-82.02-8-2001-06 ISO 17070:2015 DIN 50009:2021 BS EN 17134-2:2023
11.	Textile & its Accessories	Bisphenols Bisphenol-A (CAS:80-05-7) Bisphenol-S (CAS:80-09-1) Bisphenol-F (CAS:620-92-8) Bisphenol AF (CAS:1478-61-1) Bisphenol B (CAS:77-40-7)	Harmonized SOP: C011 TP I -9 (October 23) ISO 18857-2:2009(2015) ISO 11936:2023
12.	Textile & its Accessories, Toys & Sports Equipment, Prints	Phthalates Content with reference to CPSIA 2008 (HR 4040), Title 1 -section 108 DBP - Di-n-butyl phthalate; BBP - Butyl benzyl phthalate; DEHP - Di(2-ethylhexyl) phthalate; DNOP - Di-n-octyl phthalate; DINP - Di-isononyl phthalate; DIDP - Di-iso-decyl phthalate, DIBP - Di-isobutyl phthalate; DMP - Dimethyl phthalate;	CPSC-CH-C1001-09.4-2018 EN14372:2004 BS EN ISO 14389:2022 DIN EN ISO 14389:2023

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		DEP - Diethyl phthalate, DMEP - Di-methoxyethyl phthalate, DIHP - Di-iso heptyl phthalate, DiPP - Di-isopentyl / amayl phthalate, PiPP - N-pentyl-isopentyl phthalate, DnPP/DPP - Di-n-pentyl/ diamyl phthalate, DiHxP - Bis(4-methylpentyl)phthalate, DNHP - Di-n-hexyl phthalate, DCHP - Di-cyclohexyl Phthalate, DPRP - Di-n-propyl Phthalate, DNBP - Di-n-decyl Phthalate, DuDP - Diundecyl phthalate DTP - Dipentyl phthalate	
13.	Leather Products	Banned aryl amines from Azo dyes [o-Toluidine (95-53-4); 2-Methoxyaniline (90-04-0); p-Chloroaniline (106-47-8); p-Kresidine (120-71-8); 2,4,5-Trimethylaniline(137-17-7); 4-Chloro-o-Toluidine (95-69-2); 2,4-Toluylenediamine (95-80-7); 2,4-Diaminoanisol (615-05-4);	ISO 17234-1 - 2024 BS EN ISO 17234-2 :2011

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Hazardous and Restricted Chemicals		
		2-Naphthylamine (91-59-8); 2-Amino-4-Nitrotoluene (99-55-8); 4-Aminodiphenyle (92-67-1); 4,4'-Oxydianiline (101-80-4); Benzidine (92-87-5); 4,4'-Diaminodiphenylmethane (101-77-9); o-Aminoazotoluene (97-56-3); 3,3'-Dimethyl-4,4'-Diaminodiphenylmethane (838-88-0); 3,3'-Dimethylbenzidine (119-93-7); 4,4'-Thiodianiline (139-65-1); 3,3'-Dichlorobenzidine (91-94-1); 4,4'-Methylene-bis-(2-Chloroaniline) (101-14-4); 3,3'-Dimethoxybenzidine (119-90-4); 2,4-Xylidine (95-68-1); 2,6-Xylidine (87-62-7); Aniline(62-53-3); P-Aminoazobenzene (60-09-3); 1,4 – Phenylenediamine (106-50-3)	



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Chemical Testing			
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	Textile		
1.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Washing and laundering	ISO 105 C01-C05-1989 BS EN ISO 105 C06-2010 ISO 105 C06-2010 ISO 105 C08-2010 BS EN ISO 105 C10-2007 ISO 105 C10-2006 DIN EN ISO 105 C06-2010 AATCC TM61-2013e2(2020)e2 AS 2001.4.15-2006 CAN/CGSB-4.2 No. 19.1-2004 (R2013) GB/T 3921-2008
2.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Rubbing/ Crocking	BS EN ISO 105-X12:2016 ISO 105-X12:2016 DIN EN ISO 105 X12-2016 AATCC TM8-2016e (2022) e AS 2001.4.3-1995 (R2016) CAN/CGSB-4.2 No. 22-2004 (R2013) GB/T 3920-2024 ISO 105-X16:2016 AATCC TM116 -2018e(2022)e
3.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-	Colour Fastness to Dry Cleaning	BS EN ISO 105 D01-2010 ISO 105 D01-2010

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
	ups, Terry Fabrics & its products		DIN EN ISO 105 D01-2010 BS 1006 D01-1990 AATCC TM132-2004e3(2013)e3 AS 2001.4.16-1981 CAN/CGSB-4.2 No 29.1 M-89(1997)
4.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Perspiration	BS EN ISO 105-E04:2013 ISO 105-E04:2013 DIN EN ISO 105 E04: 2013 AATCC TM15-2021e AS 2001.4.17:1980 AS 2001.4.E04-2005 CAN/CGSB-4.2 No. 23-M90 (R2013) GB/T 3922-2013
5.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Light	BS EN-ISO 105 B02-2014 ISO 105-B02:2014 DIN EN-ISO 105 B02-2014 AATCC TM16.3-2020 CAN/CGSB-4.2 No./N° 18.3-1997 AS 2001.4.B02-2001 (R 2016) GB/T 8427-2019
6.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-	Colour Fastness to Perspiration & Light	BS EN ISO 105-B07:2009 AATCC TM125-2013e2(2020) GB/T 14576-2009

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
	ups, Terry Fabrics & its products		
7.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Water	BS EN ISO 105 E01-2013 ISO 105 E01-2013 DIN EN ISO 105 E01-2013 AATCC TM107-2022e AS 2001.4.E01-2001 CAN/CGSB-4.2 No./N° 20-M89 (R2013) GB/T 5713-2013
8.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour fastness to chlorinated water	BS EN ISO 105 E03- 2010 ISO 105 E03-2010 AATCC TM162-2011e2 AS/NZS 2001.4.5:1998 (R2016) CAN/CGSB 4.2 No. 52.2-2013
9.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Sea Water	BS EN ISO 105 E02- 2013 ISO 105 E02-2013 DIN EN ISO 105 E02-2013 AATCC TM106-2025 AS 2001.4.E02-2001 (R2016) CAN/CGSB-4.2 No 21- M-90- (R2013)

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
10.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Dye Transfer in Storage	AATCC TM163-2013(2020) e4
11.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Chlorine Bleach	BS EN 20105-N01:1995 ISO 105-N01:1993 BS 1006 N01-1990 AATCC TM188-2010e3(2017) e AATCC TS 001
12.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to non-Chlorine Bleach	ISO 105-C09:2001/AMD 1:2003 AATCC TM172-2010e (2016) e2 AATCC TS 001
13.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Saliva and sweat	DIN 53160:2023 GB/T 18886-2019 64 LFGB B 82.92-3-2011 64 LFGB B 82.02-13-2011
14.	Yarns & Cords, Finished Fabric Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Phenolic Yellowing of Materials	ISO 105-X18:2007, BS EN ISO 105-X18:2007

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
15.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Acid Spotting	BS EN ISO 105 E05:2010 ISO 105-E05:2010 DIN EN ISO 105-E05:2010 AATCC TM6-2021
16.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Alkaline Spotting	BS EN ISO 105-E06:2006 ISO 105-E06:2006 DIN EN ISO 105-E06 (2006-10) AATCC TM6-2021
17.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Water Spotting	BS EN ISO 105-E07:2010 ISO 105-E07:2010 DIN EN ISO 105 E07-2010 AATCC TM104-2025
18.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Hot Pressing	BS EN ISO 105-X11:1996 ISO 105-X11:1994 DIN EN ISO 105 X11-1996-10 AATCC TM133-2020e CAN/CGSB-4.2 No. 31-2004
19.	Yarns & Cords, Finished Fabric, Garments & Apparels, Made-ups, Terry Fabrics & its products	Colour Fastness to Organic Solvent	BS EN ISO 105-X05:1997 ISO 105-X05:1994 BS 1006 X05:1990



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
20.	Yarns & Cords, Grey Fabric, Finished Fabric, Garments & Apparels, Made- ups, Terry Fabrics & its products	Fiber Composition (composition in weight %)	ISO 1833 part 1, 2, 12, 22 -2020 ISO 1833 part 6, 20 -2018 ISO 1833 part 7, 11 -2017 ISO 1833 part 4:2023 ISO 1833 part 21 -2019 ISO 5088-1976 AATCC TM20A-2025 BS 4407-1988 AS 2001.7-2005 (R2016) CAN/CGSB-4.2 No. 14-2005 GB/T 2910.1-2009 FZ/T 01057.1-4 – 2007 Regulation (EU) No 1007/2011 GB/T 2910.2:2009 GB/T 2910.4-2022 GB/T 2910.6:2009 GB/T 2910.7:2009 GB/T 2910.11-2024 GB/T 2910.12-2023 GB/T 2910.20:2009 GB/T 2910.22:2009

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	Textile		
21.	Yarns & Cords, Grey Fabric, Finished Fabric, Garments & Apparels, Made- ups, Terry Fabrics & its products	Fiber Identification	AATCC TM 20 –2021
22.	Finished Fabric, Garments & Apparels, Made- ups	Colour fastness to dry heat	AATCC TM117-2024 ISO 105-P01:1993
23.	Fabric & Garment	Dimensional stability to washing	ISO 6330 : 2021 ISO 6330 -2000/Amd -1 -(2012) BS EN ISO 5077: 2008 EN ISO 5077: 2008 ISO 5077: 2007 BS EN ISO 3759: 2011 ISO 3759: 2011 AATCC TM135-2025 AATCC TM150-2025 AS 2001.5.4-2005 (R2016) CAN/CGSB-4.2 No. 58-2019 AATCC TS 008
24.	Fabric & Garment	Spirality / Torque / Skewness	ISO 16322- 2 & 3: 2021 AATCC TM179- 2025 AATCC TM207-2025 AATCC TS 004

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	Textile		
25.	Finished Fabric, Garments & Apparels	Soil Release: Oil Stain Release Method	AATCC TM130-2025
26.	Finished Fabric, Garments & Apparels, Made-ups	Oil Repellency: Hydrocarbon Resistance Test	AATCC TM118-2020e
27.	Finished Fabric, Apparels/ Garments, Made-ups, Terry Fabrics & its Products	Odour Test	GB/T 18401-2010, Section 6.7 SNV 195651:2015
28.	Finished Fabric, Apparels/ Garments, Made-ups, Terry Fabrics & its Products	Aqueous Liquid Repellency: Water/Alcohol Solution Resistance Test	AATCC TM193-2023
29.	Finished Fabric, Apparels/ Garments, Made-ups, Terry Fabrics & its Products	Absorbency of Bleached Textiles	AATCC TM79-2025
30.	Finished Fabric, Apparels/ Garments, Made-ups, Terry Fabrics & its Products	Flammability of General clothing textiles	CPSC 16 CFR 1610-2023 ASTM D1230 - 25 CAN/CGSB-4.2 No./N° 27.5-2023 GB/T 14644-2014

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile		
31.	Finished Fabric, Apparels/ Garments, Made-ups, Terry Fabrics & its Products	Flammability of Children Sleepwear	16 CFR PART 1615-2010 16 CFR PART 1616-2010
32.	Finished Fabric, Apparels/ Garments, Made-ups, Terry Fabrics & its Products	Wicking of Textiles	AATCC TM197-2022 AATCC TM213-2022



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
1.	Yarn	Yarn count skein form	ASTM D1907/D1907M-12(2025) BS EN ISO 2060:1995 ISO 2060:1994
2.	Yarn	Single thread strength and Elongation	BS EN ISO 2062:2009 EN ISO 2062:2009 ISO 2062:2009 ASTM D2256/D2256M-21 CAN/CGSB-4.2 No. 9.4-M91 (R2013) ASTM D204-02(2021)
3.	Yarn	Linear density of yarn removed from the fabric.	BS ISO 7211-5:2020 ISO 7211-5:2020 BS EN 14970:2006 ASTM D1059-17(2022) JIS L 1096:2010
4.	Yarn	Yarn Twist	ISO 2061:2015 ISO 7211-4:1984 ASTM D1423/D1423M-16(2022) ASTM D1422/D1422M-13(2020)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
5.	Fabrics (Woven and Non-Woven)	Tensile Strength & Elongation-Strip Method	BS EN ISO 13934 -1 : 2014 EN ISO 13934 -1 : 2013 ISO 13934 -1 : 2013 ASTM D5035-11(2024) AS 2001.2.3.1- 2001 (R2016)
6.	Fabrics (Woven and Non-Woven)	Tensile Strength & Elongation-Grab Method	BS EN ISO 13934-2 :2014 EN ISO 13934-2 : 2014 ISO 13934-2 :2014 ASTM D5034-21(2025) AS 2001.2.3.2-2001 (R2016) CAN/CGSB-4.2 No 9.2 M-90 (R2013) JIS L 1096:2010
7.	Fabrics (Woven and Non-Woven)	Tear Strength-Tensile	BS EN ISO 13937-2:2000 EN ISO 13937-2 -2000 ISO 13937-2 :2000 BS EN ISO 13937- 3:2000 EN ISO 13937-3-2000 ISO 13937-3 :2000 ASTM D2261-13(2024)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
8.	Fabrics (Woven and Non-Woven)	Tear Strength- Elmendorf	BS EN ISO 13937-1:2000 EN ISO 13937-1:2000 ISO 13937-1:2000 ASTM D1424-25 AS 2001.2.8-2001 (R2016) CAN/CGSB-4.2 No. 12.3-2005/ISO 13937-1: 2000 (R2013) JIS L 1096:2010 GB/T 3917.1-2009
9.	Fabrics (Woven and Non-Woven)	Bursting Strength- Hydraulic	BS EN ISO 13938-1 :2019 ISO 13938-1 : 2019 ASTM D3786/D3786M-18(2023) AS 2001.2.4-1990 (R2016) CAN/CGSB-4.2 No. 11.1-94 (R2013) JIS L 1096-2010
10.	Fabrics (Woven and Non-Woven)	Bursting Strength- Pneumatic	BS EN ISO 13938-2:2019 EN ISO 13938 -2:2019 ISO 13938-2:2019 ASTM D3786/D3786M-18(2023)
11.	Fabrics (Woven and Non-Woven)	Bursting Strength- Ball Bursting	ASTM D6797-24 GB/T 19976-2005

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
12.	Fabrics (Woven and Non-Woven)	Threads per Unit Length (Woven fabric construction)	BS EN 1049-2:1994 ISO 7211-2:2024 ASTM D3775- 17(2023) EN 1049-2: 1993 AS 2001.2.5-1991 (R2016) JIS L 1096: 2010
13.	Fabrics (Woven and Non-Woven)	Threads per Unit Length (Knit fabric construction)	BS 5441 :1988+A1 :2019 Section 2 ASTM D 3887-96 (Re-approved 2008) Section 12 AS 2001.2.6-2001 (R2016) CAN/CGSB 4.2 No. /N° 7-M88 (R2001) JIS L 1096-2010 ASTM D8007-24
14.	Fabrics (Woven and Non-Woven), Garments and Apparel, Coated fabrics	Fabric Width	ISO 22198: 2006 BS EN 1773: 1997 EN 1773: 1996 ASTM D3774- 18(2024) CAN/CGSB-4.2 No. 4.1-2008 JIS L 1096: 2010

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
15.	Fabrics (Woven and Non-Woven)	Seam Properties- (Seam Strength)	ISO 13935-1:2014 BS EN ISO 13935-1:2014 BS EN ISO 13935-2:2014 EN ISO 13935-2:2014 ISO 13935-2:2014
16.	Fabrics (Woven and Non-Woven)	Seam Properties- (Seam Slippage)- Fixed seam opening	BS EN ISO 13936-1: 2004 EN ISO 13936-1: 2004 ISO 13936-1: 2004
17.	Fabrics (Woven and Non-Woven)	Seam Properties- (Seam Slippage)- Fixed load	BS EN ISO 13936-2: 2004 EN ISO 13936-2: 2004 ISO 13936-2: 2004
18.	Fabrics (Woven and Non-Woven)	Seam Properties- (Seam Slippage) Slippage of Yarns in Woven fabrics	ASTM D434-95
19.	Fabrics (Woven and Non-Woven)	Seam Properties- (Seam Slippage)- Failure in sewn seam of Woven fabrics	ASTM D1683/D1683M-22
20.	Garments and Apparel	Seam Properties- Seam stretchability of knitted garments	AATCC TS-015



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
21.	Fabrics (Woven and Non-Woven) Garments and Apparel	Fabric Mass Per Unit Area	BS 2471 : 2005 ISO 3801 : 1977 Method 5 BS EN 12127 : 1998 EN 12127-1998 DIN EN 12127-1997 (2012) ASTM D3776/D3776M-20(2025) ASTM D3887-96(R 2008) Section 9 AS 2001.2.13-1987 (R2016) CAN/CGSB 4.2 NO. 5.1-M90 (R2013) JIS L 1096 : 2010
22.	Fabrics (Woven and Non-Woven), Garments and Apparel	Pilling Resistance- ICI Pilling	BS EN ISO 12945-1:2020 EN ISO 12945-1: 2020 ISO 12945-1:2020
23.	Fabrics (Woven and Non-Woven), Garments and Apparel	Elastomeric Pad Pilling	ASTM D3514/D3514M-16(2024)
24.	Fabrics (Woven and Non-Woven), Garments and Apparel	Pilling Resistance-Random Tumble pilling	CAN/CGSB-4.2 No 51.2 –M87 (1987) ASTM D3512/D3512M-22 ISO 12945-3 :2020

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
25.	Fabrics (Woven and Non-Woven), Garments and Apparel	Pilling Resistance- Modified Martindale pilling	BS EN ISO 12945-2:2020 ASTM D4970/D4970M-22 ISO 12945-2:2020
26.	Fabrics (Woven and Non-Woven), Garments and Apparel	Pilling Resistance- Circular locus	GB/T 4802.1-2008
27.	Fabrics (Woven and Non-Woven), Garments and Apparel	Abrasion Resistance- Martindale	BS EN ISO 12947-1/4-1998 BS EN ISO 12947-2:2016 ISO 12947-1: 1998 ISO 12947-4-1998/ Cor 1 -2002 ISO 12947-2-2016 ASTM D4966-22 AS 2001.2.25-1990 JIS L 1096: 2010 JIS L 1018-1999(2004)
28.	Fabrics (Woven and Non-Woven), Garments and Apparel	Abrasion Resistance - Universal Wear	ASTM D3885-07a (2024) ASTM D3886-22



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
29.	Fabrics (Woven and Non-Woven), Garments and Apparel	Stretch & Recovery or Tension & Elongation	BS 4952:1992 ISO 20932-1:2018/ Amd 1: 2021 BS EN ISO 20932-1:2020+A1:2021 ASTM D2594/D2594M-21 ASTM D4964-96(2020) ASTM D3107-07(2019) JIS L 1096: 2010 ISO 20932-3:2018/Amd 1:2025 BS EN ISO 20932-3:2020 BS EN 14704-1:2005
30.	Fabrics (Woven and Non-Woven), Garments and Apparel	Wash and Wear Performance	ISO 7768-2009 ISO 7770-2009 ISO 7769-2009 ISO 15487-2018 AATCC 124-2018te AATCC TM88B -2018te AATCC TM88C -2018te AATCC TM143-2018te
31.	Fabrics (Woven and Non-Woven), Garments and Apparel	Water Repellency: Spray Test	ISO 4920- 1981 (E) (2012) BS 3702-1982 (1987) BS EN ISO 4920-2012 EN ISO 4920-2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
			ISO 4920-2012 AATCC TM22-2024 AS 2001.2.16-1987 (R2016) CAN/CGSB-4.2 No 26.2-1994 JIS L 1092-2009 (R 2013)
32.	Fabrics (Woven and Non-Woven), Garments and Apparel	Water Resistance: Rain Test	AATCC TM35-2018e2 ISO 22958 : 2021
33.	Fabrics (Woven and Non-Woven), Garments and Apparel	Distortion in bowed and skewed fabrics	BS 2819:1990+A2:2016 ASTM D3882-08(2025) JIS L 1096: 2010
34.	Garments and Apparel	Pocket Reinforcement	ASTM D7506/D7506M-17(2025) AATCC TS-010
35.	Others- Garment Accessories	CPSC Drawstrings Guideline on Children's upper outer wear /clothing a) Presence of drawstrings at Hood & Neck area. b) Presence of drawstrings at Waist & Bottom area or lower of garments. c) If Present:	BS EN 14682-2014 NF EN 14682-2015 ASTM F1816-18(2024)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
		i) Is the length of drawstring outside drawstring channel more than 75 mm when the garment is expanded to its fullest width? ii) Presence of Toggles, Knots or any other decorative attachments at the free end of drawstring. iii) Is the drawstring bar tacked, if it is one continuous string?	
36.	Others - Garment Accessories	Resistance to Unsnapping of Snap Fasteners	ASTM D4846-96(2021)
37.	Others - Garment Accessories	Sharp Points	ASTM F963-23 Section: 4.9 16 CFR 1500.48-2012 BS EN 71-1:2014+A1 :2018 Section 8.12
38.	Others - Garment Accessories	Sharp Edges	ASTM F963-23 Section: 4.7 16 CFR 1500.49-2012 BS EN 71-1:2014+A1 :2018 Section 8.11

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
39.	Others - Garment Accessories	Small Parts Tension Test 1 to 5000 N (1 to 500 kg)	ASTM F963-23 Section: 8.9 16 CFR 1500.51-53-2012 BS EN 71-1:2014+ A1:2018 Section 8.4 ASTM D7142-05(2021) PD CEN/TR 16792:2014 PD CEN/TS 17394-1:2021 BS EN 17394-2:2020 PD CEN/TS 17394-3:2021 PD CEN/TS 17394-4:2021
40.	Others - Garment Accessories	Small Parts Torque Test 1 to 9 kg-cm)	ASTM F963-23 Section: 8.8 16 CFR 1500.51-53-2012 BS EN 71-1:2014+A1:2018 Section 8.3
41.	Others - Garment Accessories	Determination of removal force of attached components for children's clothing	BS 7907 :2007 (Annex B & C)
42.	Others - Garment Accessories	Small Parts- Choking Hazard Test	ASTM F963-23 Section: 4.6 16 CFR 1501 BS EN 71-1:2014+ A1:2018 Section 8.2 PD CEN/TS 17394-1,3,4:2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Textile Materials		
43.	Zippers & Fasteners	Zipper Test	BS 3084:2006 DIN 3419-1-1998 ASTM D2061-07(2021) ASTM D2062-03(2021) AS 2332-2003 BS EN 16732:2025
44.	Zippers & Fasteners	Impact Resistance of button	ASTM D5171-15(2020)

