Laboratory		KOTITI Bangladesh Lir 32-E, Road No. 2, Sect Bangladesh	esh Limited, Natore Tower, 9 <sup>th</sup> Floor, Plot No. 32-D & 2, Sector No. 03, Uttara Model Town, Dhaka,				
Accr	editation Standa	rd ISO/IEC 17025: 2005					
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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range Limits (	of Testing / of Detection		
I.	TEXTILE MATER	RIALS					
1.	Textile-Garment/ Fabric/Apparel	Breaking Force And Elongation- Strip Test	ASTM D 5035: 2011 (RA 2015	5) 2.11 N t 1 % to 7	o 4986 N 0 %		
		Maximum Force And Elongation At Maximum Force Using The Strip Method	ISO 13934-1: 2013				
		Maximum Force And Elongation At Maximum Force Using The Strip Method	KS K 0521: 2011 (Translated Version)				
		Maximum Force Using The Grab Method	ISO 13934-2: 2014				
		Breaking Strength And Elongation-Grab Test	ASTM D 5034: 2009 (2013)				
		Breaking Strength And Elongation: Grab Method	KS K 0520: 2009 (Translated Version)				
		Breaking Strength & Elongation Percentage-Grab Method	JIS L 1096: 2010				
		Slippage Resistance Of Yarns At A Seam In Woven Fabrics- Part Fixed Seam Opening Method	ISO 13936- 1: 2004	2.11 N t	o 4986 N		
		Slippage Resistance Of Yarns At A Seam In Woven Fabrics- Part Fixed Load Method	ISO 13936-2: 2004				
		Slippage Resistance	JIS L 1096: 2010				

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Accreditation Standard ISO/IEC 17025: 2005					
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	Textile-Garment/ Fabric/Apparel	Seam Slippage	KS K ISO 13936-1: 2010, KS K ISO 13936-2: 2009 (Translated Version)	2.11 N t	o 4986 N
		Failure In Sewn Seams Of Woven Apparel Fabrics	ASTM D 1683/D1683M: 201 (Upto 270 GSM)	1,	
		Maximum Force To Seam Rupture Using The Strip Method	ISO 13935-1: 2014		
		Maximum Force To Seam Rupture Using The Grab Method	ISO 13935- 2: 2014		
		Fabric Propensity To Surface Fuzzing And To Pilling	ISO 12945-1: 2000	Qualitat (Grade	ive l to Grade 5)
		Fabric Propensity To Surface Fuzzing And To Pilling	ISO 12945-2: 2000,		
		Fabric Propensity To Surface Fuzzing And To Pilling	KS K ISO 12945-1: 2009 KS K ISO 12945-2: 2008 (Translated Version)		
		ICI Pilling Test	JIS L 1076: 2012 (Translated Version)		

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Accreditation Standard		rd ISO/IEC 17025: 2005	SO/IEC 17025: 2005					
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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range Limits	of Testing / of Detection			
	Textile-Garment/ Fabric/Apparel	Abrasion Resistance Of Fabrics- Testing Apparatus, Break Down, Mass Lose, Appearance Change	ISO 12947-1,2,3 &4: 1998/Cor.1: 2002	50 rubs Mass Lo 0.5 % to	to 100,000 rubs oss: 25 %			
		Pilling Resistance And Other Related Surface Changes Of Textile Fabrics	ss Lose, Appearance Change ing Resistance And Other ated Surface Changes Of tile Fabrics rasion Resistance of Textile ASTM D4970/D4970M - 19 ASTM D4970/D4970M - 19 ASTM D4966- 12e1	(Grade	ive I to Grade 5)			
		Abrasion Resistance of Textile Fabrics	ASTM D4966- 12e1					
		Abrasion Resistance & Change In Color Due To Abrasion	JIS L 1096: 2010 Method. E					
		Abrasion Resistance Of Fabrics- Testing Apparatus, Break Down, Mass Lose, Appearance Change	KS K ISO 12947-1,2,3&4: 201 (Translated Version)	13				
		Pilling Resistance And Other Related Surface Changes Of Textile Fabrics: Bandom Tumble	D3512/D3512M – 10 (Reapproved 2014)	Qualitat (Rating	ive 1 to Rating 5)			
		Pilling	KS K 0499: 2010 (Translated Version)					
		Pneumatic Method For Bursting Strength And Bursting Distension	ISO 13938-2: 1999,	0.5 N/cr (5 kpa to	n² to 95 N/cm² o 950 kpa)			
		Hydraulic Method For Bursting Strength And Bursting Distension	ISO 13938-1: 1999	9 N/cm <sup>2</sup> (13 PSI	to 135 N/cm <sup>2</sup> to 196 PSI)			
		Bursting Strength Of Textile Fabrics-Diaphragm Bursting	ASTM D3786 / D3786M - 13					

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Accreditation Standard ISO/IEC 17025: 2005							
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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed	n Range Limits	of Testing / of Detection		
	Textile-Garment/ Fabric/Apparel	Bursting Strength	KS K ISO 13938-1: 2010 (Translated Version)	9 N/cm <sup>2</sup> (13 PSI	to 135 N/cm <sup>2</sup> to 196 PSI)		
		Bursting Strength	JIS L 1096: 2010 Method. A & C				
		Water Resistance: Hydrostatic Pressure	AATCC 127: 2014	0.05 N/c (5 mbar	cm <sup>2</sup> to 19.5 N/cm <sup>2</sup> to 1950 mbar)		
		Resistance To Water Penetration	ISO 811: 1981				
		Resistance To Water Penetration	KS K ISO 811: 2009 (Translated Version)				
		Water Resistance Of Textile	JIS L 1092: 2009				
		Water Repellency: Spray Rating Test	AATCC 22: 2014	ISO Qualitat (Pating	ive		
		Water Repellency: Spray Rating Test	ISO 4920: 2012	(Rating 1 to AATCC: Qualitative	ive		
		Water Repellency: Spray Rating Test	KS K 0590: 2013 (Translated Version)	(Kating	0 to Rating 100)		
		Resistance To Surface Wetting(Spray Test)	JIS L 1092: 2009				
		Warp (End) And Filling (Pick) Count Of Woven Fabrics	ASTM D 3775: 2012	4 / inch (1 / inch	to 787 / dm to 200 / inch)		
		Number Of Threads Per Unit Length	ISO 7211/2: 1984				

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Accreditation Standard ISO/IEC 17025: 2005							
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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed	on Range Limits	of Testing / of Detection		
	Textile-Garment/ Fabric/Apparel	Number Of Threads Per Unit Length	BS 5441: 1988	4 / inch (1 / inch	to 787 / dm to 200 / inch)		
		Standard Specification For Tolerances For Knitted Fabrics	ASTM D 3887: 1996 (Reapproved 2008)				
		Density Of Fabric	JIS L 1096: 2010				
		Stitch Density	KS K 0512: 2012, KS K 0511: 2009 (Translated Version)				
		Number Of Threads Per Unit Length	BS EN 1049-2: 1994				
		Method For Yarn Number Based On Short-Length Specimens	ASTM D1059-01	5.91 Te: (2 Ne to	x to 295 Tex 100 Ne)		
		Yarn Count	JIS L 1096: 2010				
		Mass Per Unit Area (Weight) Of Fabric	ASTM D 3776: 2009(2013), Option-C	$5 \text{ g/m}^2 \text{ to}$	o 500 g/m <sup>2</sup>		
		Mass Per Unit Length And Mass Per Unit Area	ISO 3801: 1977, Option-5				
		Mass Per Unit Area	JIS L 1096: 2010				
		Mass Per Unit Area	KS K 0514: 2011 (Translated Version)				
		Tearing Strength Of Fabrics By Falling-Pendulum (Elmendorf- Type) Apparatus	ASTM D 1424: 2009 (2013)	240 gf to	o 5440 gf		

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Accreditation Standard ISO/IEC 1		60/IEC 17025: 2005						
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S. No.	Product / Material of Test	Speci	fic Test Performed	Test Method Specification against which tests are performed	on Range Limits	of Testing / of Detection		
	Textile-Garment/ Fabric/Apparel	Tear Fo Pendul	orce Using Ballistic um Method (Elmendorf)	ISO 13937-1: 2000	240 gf t	to 5440 gf		
		Tearing (Elmen	g Strength Of Fabrics dorf-Type)	KS K ISO 13937-1: 2009 (Translated Version)				
		Tearing (Elmen	g Strength Of Fabrics idorf-Type)	JIS L 1096: 2010				
		Tearing The To	g Strength Of Fabrics By ngue (Single Rip)	ASTM D 2261: 2013	2.11 N	to 4986 N		
		Tearing The Tr	g Strength Of Fabrics By apezoid Procedure	ASTM D5587-14				
		Tear Fo Test Sp Methoo	orce Of Trouser-Shaped becimens( Single Tear d)	ISO 13937-2: 2000				
		Tear Fo Test Sp Methoo	orce Of Trouser-Shaped becimens (Single Tear d)	KS K ISO 13937-2: 2009 (Translated Version)				
		Tear Fo Specim	orce Of Wing-Shaped Test nens( Single Tear Method)	ISO 13937-3: 2000				
		Tear Fo Test Sp Test)	orce Of Tongue-Shaped becimens (Double Tear	ISO 13937-4: 2000				
		Tearing (Trapez	g Strength zoid Method)	KS K 0537: 2009 (Translated Version)				
		Tearing (Wing	g Strength Rip Method)	KS K 0534: 2009 (Translated Version)				

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	Textile-Garment/ Fabric/Apparel	Domestic Washing And Drying Procedures For Textile Testing	ISO 6330: 2012	Elongati (±)0.1 %	ion or Shrinkage: 6 to (±)50 %		
		Preparation, Marking & Measuring Of Fabric Specimens & Garments In Tests For Dimentional Change	ISO 3759: 2011				
		Dimensional Change (By Laundry Procedure)	JIS L 1096: 2010, JIS L 0217: 1995				
		Dimensional Change In Washing And Drying	ISO 5077: 2007				
		Domestic Washing And Drying Procedures For Textile Testing	KS K ISO 6330: 2011, KS K ISO 5077: 2012, KS K ISO 22958: 2012 (Translated Version)				
		Assessing Appearance Of Apparel And Other Textile End Products After Domestic Washing And Drying	ISO 15487: 2009	SA-5 to	SA-1		
		Assessing The Smoothness Appearance Of Fabrics After Cleansing	ISO 7768: 2009	DP-5 to	DP-1		
		Smoothness Of Seam, Fabric And Crease Retention	AATCC 124: 2014/143: 2014	4, SA-5 to CR-5 to SA-5 to	SA-1 CR-1 SA-1		
		Rain Test	AATCC 35: 2013	0.1 g to	199 g		

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Accr	Accreditation Standard ISO/IEC 17025: 2005						
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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specificatio against which tests are performed	n Range Limits	of Testing / of Detection		
	Textile-Garment/ Fabric/Apparel	Thickness Of Textile Materials	ASTM D 1777: 96(2011)	0 to 25 1	nm		
	radric/Apparei	Thickness	JIS L 1096: 2010				
		Thickness Of Textiles And Textile Products	ISO 5084: 1996				
		Width Of Textile Fabric	ASTM D 3774: 1996 (2012)	1 cm to	250 cm		
		Woven Fabric: Measurement Of Width Of Pieces	ISO 3932: 1976				
		Fabric Width	KS K ISO 22198: 2009 (Translated Version)				
		Bow And Skew In Woven And Knitted Fabrics	ASTMD 3882: 2008(2012)	0.01 % 1	to 50 %		
		Bow & Skewness In Woven And Knitted Fabrics	KS K 0605: 2012 (Translated Version)				
		Stretch Properties Of Knitted Fabrics	ASTM D 2594: 2004(2012)	1 % to 2	50 %		
		Stretch Properties Of Fabrics Woven From Stretch Yarns	ASTM D 3107: 2007(2011)				
		Tension And Elongation of Elastic Fabrics	ASTMD 4964: 1996(2012)				
		Elasticity Of Fabrics- Part 1: Strip Tests	BS EN 14704-1: 2005				
		Test For Elastic Fabrics	BS 4952: 1992				

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	Textile-Garment/ Fabric/Apparel	Spirility Test	AATCC 179: 2012, ISO 16322: 2005	0.1 % to	o 50 %
2.	Textile/Garment- Accessories	Strength Tests For Zippers	BS 3084: 2006, (Annexure B to E and G to J) ASTM D 2061: 2007(2013)	2.11 N t	to 4986 N
		Removal Force Of Attached Component(Annex-B)	BS 7907: 2007	0.05 N t (5 kg to	to 0.29 N 30 kg) Pull gauges
		Security Of Attachment Of Non- Grippable Attached Components (Annexure C)	BS 7907: 2007	Qualitat	ive
		Safety Of Children's Clothing Cords And Drawstrings On Children's Clothing - Specifications	EN 14682: 2014	1 to 100	) cm
		Unsnapping Of Snap Fasteners	ASTM D 4846-96 (2011)	2.11 N t (0.5 lbf	to 100 N to 20 lbf)
		Torque Test & Tension Test	16 CFR 1500.53 f: 2013, 16 CFR 1500.53 e: 2013, BS EN 71-1: 2014 (Clause. 8.3 & 8.4), ASTM F 963: 2011 (Clause. 8.8 & 8.9)	Qualitat	ive
		Small Part	16 CFR 1501: 2012, BS EN 71-1: 2014 (Clause. 8.2), ASTM F 963: 2011 (Clause. 4.6)	Qualitat	ive

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Accreditation Standard		d ISO/IEC 17025: 2005	ISO/IEC 17025: 2005					
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	Textile/Garment- Accessories	Sharp Point	16 CFR 1500.48 : 2013, BS EN 71-1: 2014 (Clause. 8.12), ASTM F 963: 2011 (Clause. 4.9)	Qualitat	ive			
		Sharp Edge	16 CFR 1500.49: 2013, BS EN 71-1: 2014 (Clause. 8.11), ASTM F 963: 2011 (Clause. 4.7)	Qualitat	ive			