

Laboratory	KOTITI Bangladesh Limited, Natore Tower, 9th Floor, Plot No. 32-D & 32-E, Road No. 2, Sector No. 03, Uttara Model Town, Dhaka, Bangladesh		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	22.09.2016
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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	HAZARDOUS & RESTRICTED CHEMICALS			
1.	Textiles And Textile Products	Free & Hydrolysed Formaldehyde / Released Formaldehyde Content	ISO 14184 (Part 1): 2011/GB/T 2912.1: 2009/ KS K ISO 14184-1: 2009 (Translated Version) ISO 14184 (Part 2): 2011, GB/T 2912.2: 2009 /KS K ISO 14184-2: 2014 (Translated Version) JIS L 1041: 2011 (Translated Version) AATCC 112: 2008	(12 to 2,500) mg/kg
		Formaldehyde Spot Test	AATCC 94: 2012	Qualitative
		Banned Aryl Amines	EN 14362 (Part 1): 2003 LFGB 82.02 (Part 2): 2004 GB/T 17592: 2011 (Translated Version) KS K 0147: 2015 (Translated Version) EN 14362 (Part 2): 2003 LFGB 82.02 (Part 4): 2004 / KS K 0734: 2012 (Translated Version) EN 14362 (Part 3): 2012 LFGB 82.02 (Part 9) / GB/T 23344: 2009 EN-14362 (Part 1): 2012	(3.75 to 10,000) mg/kg
		4-Aminodiphenyl Benzidine		
		4-Chloro-O-Toluidine		
		2-Naphthylamine		
		O-Aminoazotoluene		
		5-Nitro-O-Toluidine		
		4-Chloroaniline		
		4-Methoxy-M-Phenylenediamine		
		4,4'-Diaminodiphenylmethane		
		3,3'-Dichlorobenzidine.		
		3,3'-Dimethoxybenzidine		
		3,3'-Dimethylbenzidine		
		4,4'-Methylenedi-O-Toluidine		
		P-Cresidine		
		4,4'-Methylene-Bis-(2-Chloro-Aniline)		

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	Textiles And Textile Products	4,4'-Oxydianiline 4,4'-Thiodianiline O-Toluidine 4-Methyl-M-Phenylenediamine 2,4,5-Trimethylaniline 4-Aminoazobenzene O-Anisidine 2,4-Xylidin 2,6-Xylidin	EN 14362 (Part 1): 2003 LFGB 82.02 (Part 2): 2004 GB/T 17592: 2011 (Translated Version) KS K 0147: 2015 (Translated Version) EN 14362 (Part 2): 2003 LFGB 82.02 (Part 4): 2004 / KS K 0734: 2012 (Translated Version) EN 14362 (Part 3): 2012 LFGB 82.02 (Part 9) / GB/T 23344: 2009 EN-14362 (Part 1): 2012	(3.75 to 10,000) mg/kg
		Phthalates Di-Iso-Butyl Phthalate (DIBP) Dibutyl Phthalate(DBP) Benzyl Butyl Phthalate(BBP) Di-N-Hexyl Phthalate(Dnhp) Bis 2 Ethyl Hexyl Phthalate(DEHP) Di -N-Octyl Phthalate(DNOP) Diiso Nonyl Phthalate(DINP) Diiso Decyl Phthalate(DIDP)	CPSC-CH-C1001-09.3/ KS M 1991: 2010 (Translated Version) EN 14372: 2004/ BS EN 15777: 2009 GB/T 22048: 2008	(50 to 1,25,000) mg/kg
		Allerginous Disperse Dyestuff Disperse Yellow-23 Disperse Yellow-9 Disperse Yellow-1 Disperse Brown-1 Disperse Blue 124 Disperse Yellow 49 Disperse Blue 102 Disperse Blue 7	DIN 54231: 2005 § 64 LFGB 82.02-10: 2007	(15 to 5000) mg/kg

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	Textiles And Textile Products	Disperse Red 17	DIN 54231: 2005 § 64 LFGB 82.02-10: 2007	(15 to 5000) mg/kg
		Disperse Blue 106		
		Disperse Orange 1		
		Basic Violet 14		
		Disperse Blue 26		
		Disperse Blue 3		
		Disperse Yellow 39		
		Basic Red-9		
		Disperse Blue-35		
		Disperse Yellow-3		
		Disperse Red-11		
		Disperse Blue-1		
		Disperse Orange-3		
		Disperse Orange-11		
		Disperse Orange 37/76		
		Disperse Red-1		
		Disperse Orange 149		
		Solvent Yellow-1		
		Basic Violet 3		
		Solvent Yellow-3		
		Solvent Yellow-2		
		Disperse Yellow-56		
		Disperse Yellow-7		
		Disperse Red 151		
		Solvent Red 23		
		Basic Violet 1		
		Basic Blue 26		
	Carcinogenic Dyes	DIN 54231: 2005 § 64 LFGB 82.02-10: 2007	(15 to 5000) mg/kg	
	Acid Red 26			
	Direct Black 38			
	Direct Blue 6			
	Direct Red 28			
	Direct Brown 95			
	Acid Violet 49			

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles And Textile Products	Alkyl Phenols And Its Ethoxylates Nonyl Phenol Ethoxylates(NPEO) Octyl Phenol Ethoxylates(OPEO)	ISO 18254-1: 2016	APEO (10 to 20,000) mg/kg
		Alkyl Phenols Nonyl Phenol(Np) Octyl Phenol(Op)		AP (10 to 20,000) mg/kg
		Lead (Pb) & Cadmium (Cd)	KSLBD-AN-SOP-008-01; Sep,2013 KSLBD-AN-SOP-008-02; Sep,2013 KSLBD-AN-SOP-008-03; Sep,2013 CPSC CH E1002-08.3/ CPSC CH E1003-09.1/, 16 CFR-1303, ASTM E1613-12, ASTM E1645-01: (2007)/ CPCH E1001-08.3	(10 to 50,000) mg/kg
	Migration of Certain Element/ Toxicity Antimony (Sb) Arsenic (As) Lead (Pb) Cadmium (Cd) Chromium (Cr) Mercury (Hg) Barium (Ba) Selenium (Se)		EN 71-3: 2013/Amd. 1: 2014, ASTM 963-11	(5 to 1,000) mg/kg

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles And Textile Products	Extractable Heavy Metals Antimony (Sb) Arsenic (As) Lead (Pb) Cadmium (Cd) Copper (Cu) Cobalt (Co) Chromium (Cr) Nickel (Ni) Mercury (Hg) Manganese (Mn) Chromium Vi (Cr Vi)	ISO 105 EO4: 2013 & ISO 17072-1: 2011 IUC-27-1: 2009]	(0.01 to 100) mg/kg
2.	Textile Products Textile Accessories	Nickel In Coated, Non-Coated Metals And Accessories Nickel Release (Ni) In Coated, Non-Coated Metals And Accessories.	EN 12471: 2002 EN 1811: 1998Amd. 1: (2008)/ KS K 0853.2011/ EN 1811: 2011/ EN 12472: 2005 Amd. 1: (2009)/ KS K 0854: 2011	Qualitative (0.05 to 100) µg/cm ² /week
3.	Plastic & Other Polymeric Products	Cadmium Content (Cd) Lead (Pb) Cadmium (Cd) Mercury (Hg)	BS EN 1122: 2001 KSLBD-AN-SOP-011-01; Sep,2013	(1 to 50,000) mg/kg (5 to 1,000) mg/kg

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
4.	Leather Products	Banned Aryl Amines 4-Aminodiphenyl Benzidine 4-Chloro-O-Toluidine 2-Naphthylamine O-Aminoazotoluene 5-Nitro-O-Toluidine 4-Chloroaniline 4-Methoxy-M-Phenylenediamine 4,4'-Diaminodiphenylmethane 3,3'-Dichlorobenzidine. 3,3'-Dimethoxybenzidine 3,3'-Dimethylbenzidine 4,4'-Methylenedi-O-Toluidine P-Cresidine 4,4'-Methylene-Bis-(2-Chloro-Aniline) 4,4'-Oxydianiline 4,4'-Thiodianiline O-Toluidine 4-Methyl-M-Phenylenediamine 2,4,5-Trimethylaniline 4-Aminoazobenzene O-Anisidine 2,4-Xylidin 2,6-Xylidin	ISO 17234 –1: 2010, LFGB 82.02 (Part 3): 2004 GB/T 19942: 2005/ ISO 17234-2: 2011, LFGB 82.02 (Part 9) GB/T 23344: 2009	(3.75 to 10,000) mg/kg
		Chromium Vi (Cr ⁺⁶)	EN 420: 2003/ ISO 17075: 2007 / KS M ISO 17075: 2008 (Translated Version)	(0.4 to 100) mg/kg

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Leather Products	Alkyl Phenols And Its Ethoxylates Nonyl Phenol Ethoxylates(NPEO) Octyl Phenol Ethoxylates(OPEO)	BS EN ISO 18218-1: 2015 DIN EN ISO 18218-2: 2015	APEO (10 to 20,000) mg/kg
		Alkyl Phenols Nonyl Phenol(Np) Octyl Phenol(Op)		AP (10 to 20,000) mg/kg
		Free & Hydrolysed Formaldehyde	ISO 17226-1: 2008 ISO 17226-2: 2008	(3 to 2,500) mg/kg (3 to 2,500) mg/kg
II.	TEXTILE (WOVEN & NON WOVEN)			
1.	Textiles And Textile Products	pH Of Aqueous Extract	ISO 3071: (2005-06), BS EN ISO 3071: (2006-03), KS K ISO 3071: 2009 (Translated Version) AATCC 81: 2012 GB/T 7573: 2009 (Translated Version)	1 to 14
		Color Fastness To Rubbing	AATCC 8: 2013, ISO 105X12: 2016, KS K 0650: 2011 (Translated Version), ISO 105 D02: 1993	Qualitative (Grade 1 to Grade 5)

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles And Textile Products	Color Fastness To Rubbing- Small Areas	AATCC 116: 2013, ISO 105-X16: 2016, KS K 0680: 2011 (Translated Version)	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Rubbing	JIS L 0849: 2013	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Perspiration	ISO 105 E04: 2013, AATCC 15: 2013, KS K ISO 105 E04: 2010(Translated Version), JIS L 0848: 2004	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Water	ISO 105 E01: 2013, AATCC 107: 2013, KS K ISO 105 E01: 2010(Translated Version), JIS L 0846: 2004 (Translated Version)	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Sea Water	ISO 105 E02: 2013 AATCC 106: 2013, KS K ISO 105 E02: 2010(Translated Version), JIS L 0847: 2004	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Dry Heat (Excluding Pressing)/ Color Fastness To Hot Pressing	ISO105 P01: 1993, AATCC 117: 2013, ISO105 X11: 1994, AATCC 133: 2013, KS K 0460: 2012 (Translated Version) JIS L 0850: 1994 (Translated Version)	Qualitative (Grade 1 to Grade 5)

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Textiles And Textile Products	Color Fastness To Washing	ISO 105 C06: 2010, ISO 105 C07: 1999, ISO 105 C08: 2010, ISO 105 C09: 2001, AATCC 61: 2013, KS K ISO 105 C06: 2012(Translated Version), JIS L0844: 2011	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Drycleaning	ISO 105 D01: 2010, KS K ISO 105 D01: 2010(Translated Version), AATCC 132: 2013, JIS L 0860: 2008	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Organic Solvent	ISO 105 D02: 1993	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Chlorinated Water	ISO 105 E03: 2010 , AATCC 162: 2011, KS K 0725: 2012 (Translated Version), JIS L 0884: 1996 (Translated Version)	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Sweat & Saliva	DIN 53160 (Part 1 & 2): 2010, KS K 0112: 2009 (Translated Version)	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Spotting: Water	AATCC 104: 2014, ISO 105 E07: 2010, KS K ISO 105 E07: 2010 (Translated Version)	Qualitative (Grade 1 to Grade 5)

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	Textiles And Textile Products	Colour Fastness To Spotting: Acid	ISO 105 E05: 2010, KS K ISO 105 E05: 2010 (Translated Version) AATCC 6: 2011	Qualitative (Grade 1 to Grade 5)
		Colour Fastness To Spotting: Alkali	ISO 105 E06: 2006, KS K ISO 105 E06: 2010 (Translated Version), AATCC 6: 2011	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Bleaching	ISO 105 N01: 1993, AATCC 101: 2013	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Bleaching	ISO 105 N02: 1993	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Chlorine Bleaching	AATCC TS 001: 2016	Qualitative (Grade 1 to Grade 5)
		Color Fastness: Dye Transfer In Storage; Fabric To Fabric	AATCC 163: 2013, JIS L 0854: 2013 (Translated Version)	Qualitative (Grade 1 to Grade 5)
		Assessment Of The Potential To Phenolic Yellowing Of Materials	ISO 105 X 18: 2007, KS K 0190: 2008 (Translated Version)	Qualitative (Grade 1 to Grade 5)
		Color Fastness To Artificial Light: Xenon Arc Fading Lamp Test	ISO 105 B02: 2014, AATCC 16: 2012, JIS L 0843: 2006 (Xenon Arc lamp), KS K ISO 105 B02: 2010 (Translated Version)	Blue wool standard: 1 to 8 Grey Scale 1 to 5

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	Textiles And Textile Products	Color Fastness To Light Of Textiles Wetted With Artificial Perspiration	ISO 105 B07: 2009, AATCC 125: 2013, KS K0901: 2008 (Translated Version), JIS L 0888: 2005 (Translated Version)	Blue wool standard:1 to 8 Grey Scale 1 to 5
		Color Fastness To Enclosed Carbon Arc Lamp Light	JIS L 0842: 2004 (Carbon Arc Lamp), KS K 0900: 2008 (Translated Version)	Blue wool standard:1 to 8
		Qualitative/Quantitative Chemical Analysis (Fibre Analysis)	ISO 1833: 2006, AATCC 20: 2013/20A: 2014, (EU) No 1007: 2011, BS 4407: 2002, KS K 0210: 2012 (Translated Version), JIS L 1030-1 & 2: 2012 (English Version), ASTM D 629: 2015.	1.0 % to 100 %
		Flammability Of Children's Sleepwear	16 CFR 1615/1616: 2010, KS K 0585: 2013 (Translated Version)	Qualitative 1 s to 7 s
		Flame-Resistance Materials (Used In Camping Tentage)	CPAI 84: 1995, Health Canada F 16: 2001	Qualitative 1 s to 7 s
		Flammability Of Clothing Textiles	16 CFR 1610: 2008, ASTM D 1230: 2010, CAN/CGSB-4.2 no 27.5: 2008	Qualitative 1 s to 7 s

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III. LEATHER				
1.	Leather & Leather Products	pH of Aqueous Extract	ISO 4045: 2008	1 to 14

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