

<b>Laboratory</b>	<b>SGS Bangladesh Limited, Laboratory Services, IIUC Tower, Plot No. 9, Agrabad Commercial Area, SK Mujib Road, Chittagong, Bangladesh</b>		
<b>Accreditation Standard</b>	<b>ISO/IEC 17025: 2005</b>		
<b>Discipline</b>	<b>Chemical Testing</b>	<b>Issue Date</b>	<b>11.03.2014</b>
<b>Certificate Number</b>	<b>T-2872</b>	<b>Valid Until</b>	<b>10.03.2016</b>
<b>Last Amended on</b>	<b>22.04.2015</b>	<b>Page</b>	<b>1 of 5</b>

<b>S.No.</b>	<b>Product / Material of Test</b>	<b>Specific Test Performed</b>	<b>Test Method Specification against which tests are performed</b>	<b>Range of Testing / Limits of Detection</b>
<b>I. TEXTILE &amp; TEXTILE AUXILIARIES</b>				
<b>1.</b>	<b>Textile, Garments and Accessories</b>	Dimensional stability to washing	AATCC 135: 2012 AATCC 150: 2012 AS 2001.5.4: 2005 BS EN ISO 5077: 2008 BS EN ISO 6330: 2012 ISO 3759: 2011 CAN/CGSB 4.2No 58 M-90: 2004	(-) 30 % to + 30 %
		Dimensional stability to Dry cleaning	In-house method: BD-TX-CH-SOP-002-04: 2012	(-) 30 % to + 30 %
		Appearance of fabric after repeated home laundering	AATCC 124: 2011 ISO 7768: 2009 BS ISO 7768: 2009	Qualitative (Grade: SA-1 to SA-5)
		Smoothness of seams in fabric after repeated home laundering	AATCC 88 B: 2011 ISO 7770: 2009 BS ISO 7770: 2009	Qualitative (Grade: SS-1 to SS- 5)
		Retention of creases in fabrics after repeated home laundering	AATCC 88C: 2011 ISO 7769: 2009 BS ISO 7769: 2009	Qualitative (Grade: CR-1 to CR-5)
		Appearance of apparel and other textile products after repeated home laundering	AATCC 143: 2011	Qualitative (Grade: SA-1 to SA-5 SS-1 to SS-5 CR-1 to CR-5)
		Appearance (visual assessment) after laundering	In-house method: BD-TX-SOP-001-06: 2011	Qualitative (Grade: 1 to 5)
		Appearance (visual assessment) after dry cleaning	In-house method: BD-TX-SOP-001-08: 2012	Qualitative (Grade: 1 to 5)

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<b>Last Amended on</b>	<b>22.04.2015</b>	<b>Page</b>	<b>2 of 5</b>

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	<b>Textile, Garments and Accessories</b>	Assessing appearance of apparel and other textile end products after domestic washing and drying	ISO 15487: 2009	Qualitative (Grade: SA-1 to SA-5 SS-1 to SS-5 CR-1 to CR-5)
		Spirality / Skewing of fabrics & garment	AATCC 179: 2012 ISO 16322-1/2/3: 2005 BD-TX-CH-SOP-003-01/02/03: 2010 & 2012 ASTM D3882: 2008	(-) 30 % to + 30 %
		Durability wash of garment/Print/motif/appliqué/em broidery	In-house method: BD-TX-CH-SOP-004-01/02: 2012 & 2013	Qualitative (Grade: 1 to 5)
		Colour fastness to washing	AATCC 61: 2010 ISO 105 C01-C05: 1989 ISO I05 C06: 2010 ISO 105 C08: 2010 CAN/CGSB-4.2 No.19.1: 2004 ISO 105 C10: 2006 AS 2001.4.15: 2006	Qualitative (Grade: 1 to 5)
		Colour fastness to perspiration	AATCC 15: 2009 CAN/CGSB 4.2 No.23 M-90 ISO 105 E 04: 2013 AS 2001.4.E 04: 2005 DIN EN ISO 105 E 04: 2013	Qualitative (Grade: 1 to 5)
		Colour fastness to rubbing / crocking	AATCC 8: 2007 AS 2001.4.3: 1995 CAN/CGSB 4.2 No. 22: 2004 DIN EN ISO 105 X 12: 2002 BS EN ISO 105 X 12: 2002 ISO 105 X 12: 2001	Qualitative (Grade: 1 to 5)

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<b>Last Amended on</b>	<b>22.04.2015</b>	<b>Page</b>	<b>3 of 5</b>

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	<b>Textile, Garments and Accessories</b>	Colour fastness to water	AATCC 107: 2012 DIN EN ISO 105 E 01: 2013 ISO 105 E01: 2013 AS 2001.4.E01: 2001 CAN/CGSB 4.2 No.20 M-89	Qualitative (Grade: 1 to 5)
		Colour fastness to sea water	AATCC 106: 2009 ISO 105 E02: 2013 AS 2001.4.14 E02: 2001 CAN/CGSB 4.2 No. 21 M-90	Qualitative (Grade: 1 to 5)
		Fibre analysis	AATCC 20: 2011 AATCC 20 A: 2012 BS 4407: 1988 ISO 1833: 2006 ASTM D 629: 2008 CAN/CGSB 4.2 No.14 M-88 AS 2001.7: 2005 EU No. 1007/2011	1 % to 100 %
		Colour fastness to Sweat and Saliva	DIN 53160: 2010	Qualitative (Grade: 1 to 5)
		Colour fastness to Phenolic Yellowing	ISO 105 X18: 2007 BS EN ISO 105 X 18: 2007	Qualitative (Grade: 1 to 5)
		Colour fastness to dry cleaning	AATCC 132: 2009 ISO 105 D05: 2010	Qualitative (Grade: 1 to 5)
		pH value in aqueous extract / water extract	ISO 3071: 2005 BS EN ISO 3071: 2006 EN ISO 3071: 2006 ISO 4045: 2008 AATCC 81: 2012	1 to 14

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<b>Last Amended on</b>	<b>22.04.2015</b>	<b>Page</b>	<b>4 of 5</b>

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	<b>Textile, Garments and Accessories</b>	Determination of certain listed banned aromatic amines derived from Azo colorants: 4-aminodiphenyl Benzidine, 4-Chloro-o-Toluidine, 2-Naphthylamine, o-Aminoazotoluene, 5-nitro-o-toluidine, 4-chloroaniline, 4-methoxy-m-phenylenediamine, 4,4'-diaminodiphenyl methane, 3,3'-Dichlorobenzidine, 3,3'-Dimethoxy benzidine, 3,3'-Dimethylbenzidine, 4,4'-mthylenedi-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.	BS EN 14362-1: 2012 DIN EN 14362-1: 2012 BS EN 14362-3: 2012	(5 to 50000) mg/kg
		Determination of free & hydrolyzed formaldehyde /formaldehyde content	ISO 14184-1: 2011, EN ISO 14184-1: 2011, BS EN ISO 14184-1: 2011, DIN EN ISO 14184-1: 2011, BD SOP No. BD-RSTS-OR-SOP-010-01 (based on ISO 14184-1: 2011)	(15 to 2500) mg/kg

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**Accreditation Standard**    **ISO/IEC 17025: 2005**

**Discipline**                      **Chemical Testing**                      **Issue Date**    **11.03.2014**

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**Last Amended on**        **22.04.2015**                              **Page**            **5 of 5**

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**II. LEATHER**

<b>1.</b>	<b>Leather</b>	Determination of certain listed banned aromatic amines derived from Azo colorants: 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'-mthylenedi-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 17234-2: 2011 ISO 17234-1: 2010 BD SOP No. BD-RSTS-SOP-001-02 (based on ISO 17234-1: 2010)	(5 to 50000) mg/kg
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