



## Bangladesh Accreditation Board (BAB)

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# Certificate of Accreditation

This is to certify that

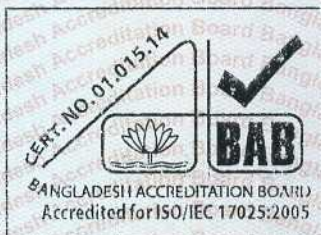
**Modern Testing Services (Bangladesh) Ltd.**

**280, East Narsinghpur, Ashulia, Savar**

**Dhaka-1341, Bangladesh**

has been granted accreditation in respect of the scope of accreditation described in the attached document, subject to the terms and conditions governing the relevant Conformity Assessment Body (CAB) accreditation

This Testing Laboratory having met the requirements of ISO/IEC 17025:2005 and the BAB, is accredited for Textile Testing as described in the associated Scope of Accreditation.



**Certificate Number : 01.015.14**

**Issued on : 07 Sep 2015**

**Accreditation Date : 23 July 2014**

**Valid until : 22 July 2018**

**Director General**

**Bangladesh Accreditation Board (BAB)**

This certificate has been issued under the authority of Bangladesh Accreditation Act, 2006 and must be returned on request; reproduction must follow guidelines in place at date of issue. For the specific scopes to which this accreditation applies, please refer to the directory of accredited CABs at <http://www.bab.org.bd/directory-of-accredited-cabs>

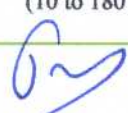


## SCOPE OF ACCREDITATION

(For Testing Laboratory)

<b>CAB Name &amp; Address:</b>	<b>Modern Testing Services (Bangladesh) Ltd.</b> 280 East Narsinghpur, Ashulia, Savar Dhaka-1341, Bangladesh.	<b>Accreditation Date:</b>	23 July 2014
<b>Accreditation Standard:</b>	<b>ISO/IEC 17025:2005</b>	<b>Issued on:</b>	07 Sep 2015
<b>Certificate Number:</b>	01.015.14	<b>Valid until:</b>	22 July 2018
<b>Last Amended on:</b>	05 Dec 2016		
<b>Amendment no:</b>	01		

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
<b>Field: Mechanical</b>				
01.	Textile, Fabric , Garment & Accessories	Threads per Unit Length (woven fabric construction)	ASTM D 3775 – 2012	10 to 80 per cm (15 to 250 per Inch)
02.	Textile, Garment & Accessories	Sharp Point Test	16 CFR 1500.48:2015	Qualitative
03.	Textile, Garment & Accessories	Sharp Edge Test	16 CFR 1500.49:2015	Qualitative
04.	Textile, Garment & Accessories	Small Parts Test	16 CFR 1501:2015	Qualitative
05.	Textile, Garment & Accessories	Tension Test up to 294 N (Up to 30 Kg or 66 Pounds)	16 CFR 1500.50-53:2015	Qualitative
06.	Textile, Garment & Accessories	Torque Test up to 9.0 kg-cm (Up to 7.8 inch Pound)	16 CFR 1500.50-53:2015	Qualitative
07.	Textile, Garment & Accessories	Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D3512: 2014	Grade :1-5
08.	Textile, Garment & Accessories	Determination of fabric propensity to surface fuzzing and to pilling( ICI Pill Box Method)	BS EN ISO 12945-1 :2001	Grade :1-5
09.	Textile, Garment & Accessories	Determination of fabric propensity to surface fuzzing and to pilling ( Modified Martindale Method)	BS EN ISO 12945-2 :2000	Grade :1-5
10.	Textile, Garment & Accessories	Mass Per Unit Area	ASTM D 3776: 2013 BS EN 12127:1998	20 to 700 GSM
11.	Textile, Garment & Accessories	Tearing Strength by Falling- Pendulum (Elmendorf-Type) Apparatus	ASTM D1424: 2013 BS EN ISO 13937-1: 2000	800 CN to 12,800 CN
12.	Textile, Garment & Accessories	Breaking Strength and Elongation	ASTM D5034: 2013 BS EN ISO 13934-1:2013 BS EN ISO 13934-2:2014	5 N to 5000 N
13.	Textile, Garment & Accessories	Bursting Strength (Hydraulic Method)	ASTM D 3786 / D 3786M: 2013	70 kPa to 1240 kPa (10 to 180 psi)

  
 Quality Manager

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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
14.	Textile, Garment & Accessories	Seam Slippage -Fixed Seam Opening Method -Fixed Load Method -Resistance to seam slippage using a standard seam -Failure in sewn seams of woven apparel fabrics	ISO 13936-1-2004 ISO 13936-2-2004 ASTM D 434 – 1995 ASTM D 1683/D 1683M-2011	5 N to 5000 N
15.	Textile, Garment & Accessories	Seam Strength-Maximum force to seam rupture -strip method -Grap method	ISO 13935-1-2014 ISO 13935-2-2014	5 N to 5000 N
16.	Textile, Garment & Accessories	Determination of removal force of attached components for children's clothing	BS 7907 :2007 (Annex –B, Page 27-39)	10 N to 220 N
17.	Textile, Garment & Accessories	Dimensional Changes after Home Laundering	AATCC 135:2015 AATCC 150: 2012 ISO 6330:2012	Elongation 0 to 50% Shrinkage 0 to 50%
18.	Textile, Garment & Accessories	Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering	AATCC 179: 2012	0 to ± 50 %
19.	Textile, Garment & Accessories	Smoothness Appearance of Apparels after Repeated Home Laundering	AATCC 124: 2014 AATCC 143: 2014	Grade :1-5

### Field: Chemical

01.	Textile & Garment	Fiber Composition Qualitative & Quantitative analysis (composition in weight %)	ISO 1833 part 1 to 4, 7, 11, 12 & 18-2006, 6-2007 EU-Directive:96/73/EC & 73/44/EEC and 2008/121/EC AATCC 20-2013 AATCC 20 A-2014 CAN/CGSB-4.2 No. 14-2005	Up to 100%
02.	Textile, Garment & Accessories	Flammability of General clothing textile	CAN/CGSB-4.2 NO. 27.5:2008 16 CFR 1610:2008	0-15 sec
03.	Textile, Garment & Accessories	Flammability of General clothing textile	16 CFR 1615:2010 16 CFR 1616:2010	0-10 inch
04.	Textile & accessories including print on textile or leather items and polymeric products	Total Lead in paint & similar surface coatings	SOP # 0002 U.S. CPSC 16 CFR 1303 CPSC-CH -E 1003-09.1:2011; C-02.2:2011	5 to 5000 ppm. LOD: 1 ppb

  
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
05.	Textile, Garments and Accessories (Ceramic, Glass, Crystal, Siliceous Material, Plastic, Metal and leather	Total Lead in substrate in metal and nonmetal children's product and Children's metal jewelry.	SOP # 0002 U.S. CPSIA of 2008 Title I Section 101, CPSC-CH-E1001-08.2/ CPSC-CH- E1002-08.2:2012	5 to 5000 ppm. LOD: 1 ppb
06.	Textile fabric, Garment and 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); 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); P-Aminoazobenzene (60-09-3);	SOP # 0009 (EN 14362-1:2012) SOP # 10a (ISO 17234-1:2010/2003) SOP # 10b (ISO 17234-2:2011) SOP# 00012 (GB/T 23344-2009) SOP# 00012a (EN 14362-3: 2012)	Range : 5 – 500 mg/kg LOD: 0.5 mg/kg
07.	Textile & accessories including print on textile	Phthalates Content in Toys, children's products, childcare article & Textiles. 1. Di-n-butyl phthalate (DBP) 2. Benzyl-n-butyl phthalate (BBP) 3. Di-2-ethylhexyl phthalate (DEHP) 4. Di-n-octyl phthalate (DNOP) 5. Diisodecyl phthalate (DIDP) 6. Diisononyl phthalate (DINP)	SOP # 0001 (CPSIA 2008 (HR 4040) title 1-section 108, CPSC-CH-C1001-09.3:2010)  SOP # 0033 (ISO 14389:2014)	Range : 50-8000 mg/Kg LOD: 12.5 mg/kg

  
Quality Manager

