



# ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006  
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

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

**280, East Narsinghpur, Ashulia, Savar  
Dhaka-1341, Bangladesh**

This is to certify that this

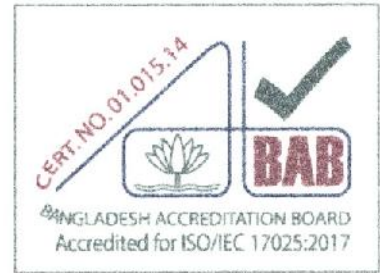
## **Testing Laboratory**

is accredited in accordance with the international standard

## **ISO/IEC 17025:2017**

in respect of the associated scope, subject to the terms and  
conditions governing the relevant conformity assessment  
body (CAB) accreditation.

Certificate Number : 01.015.14  
Accreditation Date : 23 July 2014  
Date of Issuance : 23 September 2021  
Date of Expiration : 22 July 2024



**Md. Monwarul Islam  
Director General**

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

## SCOPE OF ACCREDITATION

(For Testing Laboratory)

**CAB Name & Address:** Modern Testing Services (Bangladesh) Ltd.  
280, East Narsinghpur, Ashulia, Savar,  
Dhaka-1341, Bangladesh.

**Accreditation Standard:** ISO/IEC 17025:2017

**Accreditation Date:** 23 July 2014

**Certificate Number:** 01.015.14

**Issued on:** 23 Sep 2021

**Last Amended on:** NA

**Valid until:** 22 July 2024

**Amendment no:** NA

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 Testing</b>				
01.	Textile, Fabric , Garment & Accessories	Threads per Unit Length (woven fabric construction)	ASTM D 3775 – 2017	10 to 80 per cm (15 to 250 per Inch)
02.	Textile, Garment & Accessories	Sharp Point Test	16 CFR 1500.48:2019	Qualitative
03.	Textile, Garment & Accessories	Sharp Edge Test	16 CFR 1500.49:2019	Qualitative
04.	Textile, Garment & Accessories	Small Parts Test	16 CFR 1501:2019	Qualitative
05.	Textile, Garment & Accessories	Tension Test up to 294 N (Up to 30 Kg or 66 Pounds)	16 CFR 1500.50-53:2019	Qualitative
06.	Textile, Garment & Accessories	Torque Test up to 9.0 kg-cm (Up to 7.8 inch Pound)	16 CFR 1500.50-53:2019	Qualitative
07.	Textile, Garment & Accessories	Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester	ASTM D3512: 2016 BS EN ISO 12945-3:2020	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 :2020	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 :2020	Grade :1-5
10.	Textile, Garment & Accessories	Mass Per Unit Area	ASTM D 3776: 2020 ISO 3801:1977 BS EN 12127:1998 AS 2001.2.13-1987(R2016)	20 to 700 gsm
11.	Textile, Garment & Accessories	Tearing Strength by Falling- Pendulum (Elmendorf-Type) Apparatus	ASTM D1424: 2019 BS EN ISO 13937-1: 2000 AS 2001.2.8-2001 (R2016)	800 CN to 12,800 CN
12.	Textile, Garment & Accessories	Breaking Strength and Elongation	ASTM D5034: 2021 BS EN ISO 13934-1:2013 BS EN ISO 13934-2:2014 AS 2001.2.3.2-2001	5 N to 5000 N

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13.	Textile, Garment & Accessories	Bursting Strength (Hydraulic Method)	ASTM D 3786 / D 3786M: 2018 ISO 13938-1:1999 AS 2001.2.4-1990	70 kPa to 1240 kPa (10 to 180 psi)
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-2018	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) PD CEN/TR 16792:2014	10 N to 220 N
17.	Textile, Garment & Accessories	Dimensional Changes after Home Laundering	AATCC 135:2018t AATCC 150: 2018t ISO 6330:2012 ISO 3759:2011 BS EN ISO 5077:2007 AS 2001.5.4-2005 (R 2016)	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: 2019 AATCC 207: 2019 ISO 16322-1,2,3: 2005	0 to $\pm$ 50 %
19.	Textile, Garment & Accessories	Smoothness Appearance of Apparels after Repeated Home Laundering	AATCC 124: 2018t AATCC 143: 2018t AATCC 88B: 2018t AATCC 88C: 2018t	Grade :1-5
20.	Leather & Footwear	Test methods for whole shoe — Flexing durability	ISO 24266:2020 (Method A)	50,000-30,000 Cycle
21.	Leather & Footwear	Fatigue test for shoe heels	ISO 19956:2004	100-20,000 Cycle
22.	Leather & Footwear	Shoe lace to shoe lace and shoe lace to lace to carrier abrasion test	ISO 22774:2004 (Method 1 & 3)	100-10,000 Cycle

  
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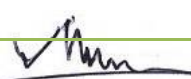
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23.	Leather & Footwear	Determination of thickness of leather	ISO 2589:2016	0.01-10mm
24.	Leather, Footwear & Accessories	Corrosion resistance	ISO 22775 (Method B)	Grade: 1-5
<b>Field: Chemical Testing</b>				
01.	Textile & Garment	Fiber Composition Qualitative & Quantitative analysis (composition in weight %)	ISO 1833 part 1 to 4, 7, 12 & 18-2006, 6-2007, 11-2017 EU-Directive:96/73/EC & 73/44/EEC and 2008/121/EC AATCC 20-2018 AATCC 20 A-2020 CAN/CGSB-4.2 No. 14-2005 AS 2001.7-2005 (R2016)	Up to 100%
02.	Textile & Garment	Flammability of General clothing textile	CAN/CGSB-4.2 NO. 27.5:2008 16 CFR 1610:2008 ASTM D 1230:2017	0-15 sec
03.	Textile & Garment	Flammability of General clothing textile	16 CFR 1615:2010 16 CFR 1616:2010	0-10 inch
04.	Textile & Garment	Burning behavior of children's nightwear	BS EN 14878:2007	0-50 sec
05.	Textile & Garment	Colour Fastness to Ozone	AATCC 109: 2016	Grade : 1-5
06.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Phenolic Yellowing of Materials	ISO 105 X18: 2007	Grade : 1-5
07.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Light	ISO 105 B02: 2014 AATCC 16.3, Option 3 –2014	Rating : 1 – 8 Rating : 1 – 8 Rating : 1 – 8 Grade : 1 – 5
08.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Perspiration	AATCC 15 : 2013 BS EN ISO 105-E04: 2013 AS 2001.4.E04-2004(R2016)	Grade : 1-5
09.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Water	AATCC 107: 2013 BS EN ISO 105 E01: 2013 AS 2001.4.E01-2001(R2016)	Grade : 1-5
10.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Sea Water	AATCC 106-2013 BS EN ISO 105 E02: 2013 AS 2001.4.E02-2001	Grade : 1-5

  
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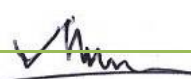
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11.	Textile, Garment & Accessories	Colour Fastness to Laundering: Accelerated	AATCC 61-2013	Grade : 1-5
12.	Textile, Garment & Accessories	Colour Fastness to Domestic & Commercial Laundering	ISO 105 C06 : 2010 AS 2001.4.15-2006(R2016)	Grade : 1-5
13.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Crocking	AATCC 8 : 2016 AATCC 116: 2018	Grade : 1-5
14.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Rubbing	BS EN ISO 105 X12 : 2016 AS 2001.4.3-1995(R2016)	Grade : 1-5
15.	Textile, Garment & Accessories	Colour Fastness to Dry Cleaning	ISO 105 D01-2010 [E] AATCC 132-2013	Grade : 1-5
16.	Textile, Garment & Accessories	Colour Fastness to Water: Chlorinated Pool	ISO 105 E03-2010 AATCC 162-2011 AS/NZS 2001.4.5:1998	Grade : 1-5
17.	Textile, Garment, Leather, Footwear & Accessories	Colour Fastness to Water Spotting	BS EN ISO 105 E07-2010	Grade : 1-5
18.	Textile, Garment & Accessories	Colour Fastness to Non-chlorine Bleach	BS EN ISO 105 C09: 2003	Grade : 1-5
19.	Textile, Garment & Accessories	Colour Fastness to Burnt Gas Fumes	AATCC 23: 2015 BS EN ISO 105 G02: 1993	Grade : 1-5
20.	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 Digestion procedure: ASTM E1645: 2016 SOP# 0015 U.S. CPSC 16 CFR 1303 ASTM F2853-10	5 to 5000 ppm. LOD: 1 ppb
21.	Textile, Garments and Accessories (Ceramic, Glass, Crystal, Siliceous Material, Plastic, Metal and leather	Total Lead in substrate in metal and non-metal children's product and Children's metal jewelry.	SOP # 0003 U.S. CPSIA of 2008 Title I Section 101, CPSC-CH-E1001-08.2and/orCPSC-CH-E1001-08.3:2012&CPSC-CH-E1002-08.2and/ orCPSC-CH-E1002-08.3:2012	5 to 5000 ppm. LOD: 1 ppb

  
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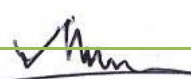
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22.	Textile & accessories including print on textile	Phthalates Content in Toys, children's products, childcare article & Textiles.  1. Diisobutyl phthalate (DIBP). 2. DibutylPhthalate(DBP) 3. Di-n-pentyl phthalate (DPENP), 4. Di-n-hexyl phthalate (DHEXP), 5. Dicyclohexyl phthalate (DCHP), 6. Di-(2-ethylhexyl) phthalate(DEHP), 7. Benzyl Butyl Phthalate(BBP), 8. Diisononyl phthalate(DINP),	SOP # 0001 (CPSIA 2008 (HR 4040) title 1-section 108, CPSC-CH-C1001-09.4:2018)  SOP # 0033a (ISO 14389:2014)  SOP # 0046 (EN 14372:2004)	50-1000mg/Kg LOD: 12.5 mg/kg
23.	Textile Polymer and composite materials; Plastic and Coating materials	Total Cadmium Content	SOP # 0016 (EN-1122):2001 SOP#0035 CPSC-CH-E1004-11	Cd: 5 to 3000 mg/kg LOD : 1ppb
24.	Textile & Leather	Determination of pH of aqueous textile extract	SOP # 0007 (ISO 3071):2020 SOP # 0008 (AATCC 81):2016; SOP # 14 (BS EN1413):1998 SOP # 0038 (BS EN ISO 4045:2018)	1-14
25.	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);	SOP # 0009 (EN 14362-1:2017) SOP # 10a (ISO 17234-1:2020/2015) SOP # 10b (ISO 17234-2:2011) SOP# 00012 (GB/T 23344-2009) SOP# 00012a (EN 14362-3: 2017) SOP#0011 (EN 14362-1: 2017) SOP#0011 (GB/T 17592: 2011)	Range: 5-500 mg/kg.  LOD: 0.5 mg/kg

  
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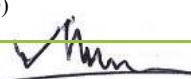
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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		Benzidine (92-87-5); 4,4'-Diaminodiphenylmethane (101-77-9); o-Aminoazotoluene (97-56-3); 3,3'-Dimethyl-4,4'-Diaminodiphenylmethane (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#0013 (GB/T 19942: 2005)	
				Pb: 0.1 to 1000 mg/kg Cd: 0.1 to 1000 mg/kg Cr: 0.1 to 1000 mg/kg As: 0.1 to 1000 mg/kg Ba: 0.1 to 1000 mg/kg Se: 0.1 to 1000 mg/kg Sb: 0.1 to 1000 mg/kg Hg: 0.1 to 1000 mg/kg B: 0.1 to 1000 mg/kg Al: 0.1 to 1000 mg/kg Mn: 0.1 to 1000 mg/kg Co: 0.1 to 1000 mg/kg Ni: 0.1 to 1000 mg/kg Cu: 0.1 to 1000 mg/kg Zn: 0.1 to 1000 mg/kg Sr: 0.1 to 1000 mg/kg Sn: 0.1 to 1000 mg/kg
26.	Textile a) Surface coating materials (Coating, Printing ink and pigments); b) Children's products toy substrate materials	Soluble Heavy Metal Test	SOP # 0004a; (ASTM F963-2017 Section 4.3.5.1 & 4.3.5.2); SOP#0004 SOP#0004b SOP#0004c (EN 71-3:2013+A2:2017) SOP#0004d (EN 71-3:2013+A2:2018)	
27.	Textile and leather	Disperse Dyes	SOP # 0022 (DIN 54231: 2005; GB/T 20383) SOP# 0057 (ISO 16373-1:2015, ISO 16373-2:2014, ISO 16373-3:2013)	5-1000mg/kg LOD: 0.5 mg/kg
28.	Liquid, textile, polymeric and other materials	Determination of Polycyclic Aromatic Hydrocarbons (PAHs)	SOP # 0043; (A/PS GS 2014:01 PAK, BS EN 17132:2019 ISO/TS 16190:2013(E))	0.1 – 500 mg/kg
29.	Textiles and coated material	Determination of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulphonates (PFOS)	SOP # 0044 (Solvent Extraction /LCMSD)	1 µg/m <sup>2</sup> -100 µg/m <sup>2</sup>

  
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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
30.	Textile and leather	Free and Hydrolyzed Formaldehyde	JIS L1041:2016PartA&B,JapanLawNo.112 AATCC 112:2020 ISO-14184-1:2011and GB/T 2912- 1:2009 ISO-14184-2:2011 and GB/T 2912- 2:2009 SOP # 0025 (ISO 17226-1&2: 2019)	JIS A: (0.03 to 4.5) abs JIS B: 16 to 3000 mg/kg AATCC 112: 16 to 3500mg/kg ISO-14184-1 and GB/T 2912-1: 16 to 3500 mg/kg ISO-14184-2 and GB/T 2912-2 16 to 3500 mg/kg
31.	Leather	Estimation of Chromium (VI) content	MTS Validated In-House Method/ SOP#0030, Based on DIN 53314 SOP # 0031, Based on EN ISO 17075:1 -2017 EN ISO 17075:2 -2017	0.5-100 mg/kg LOD: 0.25 mg/kg
32.	Textile accessories/ Leather accessories	Estimation of Nickel Release	MTS Validated In-House Method/ SOP # 0024: 2016 (DIN EN 1811:2011+A1:2015 and 12472:2005A1-2009)	Range: 0.05 -10 µg/cm <sup>2</sup> /week.
33.	Textile, Garment & Accessories	Extractable Heavy metals  1. Silver (Ag) 2. Arsenic (As) 3. Cadmium (Cd) 4. Barium (Ba) 5. Tin (Sn) 6. Copper (Cu) 7. Zinc (Zn) 8. Magnesium (Mg) 9. Aluminum 10. Selenium (Se) 11. Molybdenum (Mo) 12. Lead (Pb) 13. Nickel (Ni) 14. Chromium (Cr) 15. Cobalt (Co) 16. Manganese (Mn) 17. Mercury (Hg) 18. Antimony (Sb)  19. Chromium (Cr) VI	MTS Validated In-House Method/ SOP # 0029 : 2016 ( Extraction as per ISO 105E04:2013 & ICPMS; EN 16711-2: 2015(E); ISO 17072-2011)	Pb: 0.1-125 mg/kg,; LOD: 1ppb Co: 0.1-125 mg/kg,; LOD: 1ppb Cr: 0.1-125 mg/kg,; LOD: 1ppb Cr (VI): 0.5-500 mg/kg,; LOD: 0.01ppb Ni: 0.1-125 mg/kg,; LOD: 1ppb Mn: 0.1-125 mg/kg,; LOD: 1ppb Cu: 0.5-500 mg/kg,; LOD: 5 ppb Ba: 0.5-500 mg/kg,; LOD: 5 ppb Sn: 0.5-500 mg/kg,; LOD: 5 ppb Zn: 0.5-500 mg/kg,; LOD: 5 ppb Se: 0.5-500 mg/kg,; LOD: 5 ppb Mg: 0.5-500 mg/kg,; LOD: 5 ppb Mo: 0.5-500 mg/kg,; LOD: 5 ppb Sb: 0.5-500mg/kg,; LOD: 5 ppb Al: 0.5-500 mg/kg,; LOD: 5 ppb As: 0.03-50 mg/kg,; LOD: 0.2 ppb

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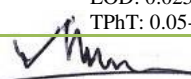
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				Ag: 0.03-50 mg/kg, LOD: 0. 2 ppb Cd: 0.03-50 mg/kg, LOD: 0. 2ppb Hg: 0.005-20 mg/kg, LOD: 0.5 ppb
34.	Textile & accessories including plastic, Print, Liquid, Leather	Determination of APEO/AP content: 1. Octylphenoethoxylates (OPEOs), 2. Nonylphenoethoxylates (NPEOs), 3. Octylphenol (OP) 4. Nonylphenol (NP)	MTS Validated In-House Method/ SOP # 0020: 2016 (ISO 18254-1:2016; ISO/DIS 18218-1&2:2015	OPEOs: 10-2000 mg/kg LOD: 10 mg/kg NPEOs: 10-2000 mg/kg LOD: 10 mg/kg OP : 10-2000 mg/kg LOD: 10 mg/kg NP : 10-2000 mg/kg LOD: 10 mg/kg
35.	Textile Products	Determination of Pentachlorophenol (PCP), Tetrachlorophenol (TeCP), Trichlorophenol (TCP) and Orthophenylphenol (OPP) in Textile	MTS Validated In-House Method/ SOP # 0027: 2016 (Solvent Extraction /GCMS)	PCP: 0.05-50 mg/kg LOD: 0.005 mg/kg TeCP: 0.05-50 mg/kg LOD: 0.005 mg/kg OPP: 0.05-50 mg/kg LOD: 0.005 mg/kg
36.	Leather	Determination of Pentachlorophenol (PCP), Tetrachlorophenol (TeCP), Trichlorophenol (TCP) and Orthophenylphenol (OPP) in leather.	MTS Validated In-House Method/ SOP # 0026: 2016 (Solvent Extraction /GCMS); EN ISO 17070: 2015.	PCP: 0.05-50 mg/kg LOD: 0.005 mg/kg TeCP: 0.05-50 mg/kg LOD: 0.005 mg/kg OPP: 0.05-50 mg/kg LOD: 0.005 mg/kg
37.	Textile & accessories including print on textile	Dimethyl Fumarate	MTS Validated In-House Method/ SOP#0037:2016 (Solvent Extraction /GCMS); CEN ISO/TS 16186:2012.	0.05 – 1000 mg/kg LOD: 5 mg/kg
38.	Textile & accessories including plastic	Determination Of Isocyanates Content 1. Hexamethylenediisocyanate (HDI), 2. Isophoronediiisocyanate (IPDI), 3. Tetramethylxylenediisocyanate (TMXDI), 4. Toluene diisocyanate (Mixture of 2,4-TDI & 2,6-TDI), 5. Diphenylmethanediisocyanate (MDI), 6. Napthalene -1,5, diisocyanate (15-NDI)	MTS Validated In-House Method/ SOP # 0028: 2016 (Solvent Extraction /GCMS/LCMS)	HDI:1-1000 mg/kg LOD: 0.25 mg/L IPDI:1-1000 mg/kg LOD: 0.25 mg/L TMXDI:1-1000 mg/kg LOD: 0.25 mg/L 2,4-TDI & 2,6 TDI:1-1000 mg/kg, LOD: 0.25 mg/L MDI:1-1000 mg/kg LOD: 0.25 mg/L 1,5_NDI:1-1000 mg/kg LOD: 0.25 mg/L
39.	Textile & accessories including plastic	Determination Of Organotin Content 1. Monobutyl tin , MBT 2. Dibutyl tin , DBT 3. Tributyl tin , TBT 4. Triphenyl tin , TPhT 5. Tetrabutyl tin, TTBt 6. Tripropyl tin , TPT	MTS Validated In-House Method/ SOP#0023:2016	MBT: 0.05-100 mg/kg LOD: 0.025 mg/L DBT: 0.05-100 mg/kg LOD: 0.025 mg/L TBT: 0.05-100 mg/kg LOD: 0.025 mg/L TPhT: 0.05-100 mg/kg

  
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22 July 2024

**Amendment no:** NA

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
		7. Monoctyl tin , MOT 8. Dioctyl tin , DOT 9. Trioctyl tin, TOT Tricyclohexyl tin , TCyT	(Solvent Extraction /GCMS); CEN ISO/TS 16179:2012; EN ISO 17353: 2005.	LOD: 0.025 mg/L TTBT: 0.05-100 mg/kg LOD: 0.025 mg/L TPT: 0.05-100 mg/kg LOD: 0.025 mg/L MOT: 0.05-100 mg/kg LOD: 0.025 mg/L DOT: 0.05-100 mg/kg LOD: 0.025 mg/L TOT: 0.05-100 mg/kg LOD: 0.025 mg/L TCyT: 0.05-100 mg/kg LOD: 0.025 mg/L
40.	Textile, Leather, Garment & Accessories	Total Heavy Metal content 1. Silver (Ag) 2. Arsenic (As) 3. Cadmium (Cd) 4. Barium (Ba) 5. Tin (Sn) 6. Copper (Cu) 7. Zinc (Zn) 8. Lead (Pb) 9. Nickel (Ni) 10. Chromium (Cr) 11. Cobalt (Co) 12. Mercury (Hg) 13. Chromium (Cr) VI 14. Antimony (Sb)	MTS Validated In-House Method / SOP # 0040 (Acid Digestion/ICP-MS); EN ISO 17072-1 & 2 2011. BS EN 16711-1:2015	Ag: 5-5000 mg/kg; LOD: 1 mg/kg As: 5-5000 mg/kg; LOD: 1 mg/kg Cd: 5-5000 mg/kg; LOD: 1 mg/kg Ba: 5-5000 mg/kg; LOD: 1 mg/kg Sn: 5-5000 mg/kg; LOD: 0.01 mg/kg Cu: 5-5000 mg/kg; LOD: 1 mg/kg Zn: 5-5000 mg/kg; LOD: 1 mg/kg Pb: 5-5000 mg/kg; LOD: 1 mg/kg Ni: 5-5000 mg/kg; LOD: 1 mg/kg Cr: 5-5000 mg/kg; LOD: 1 mg/kg Co: 5-5000 mg/kg; LOD: 1 mg/kg Hg: 0.25-5000 mg/kg; LOD: 1 mg/kg; Cr (vi): 5-5000 mg/kg; LOD: 1 mg/kg; Sb: 5-5000 mg/kg; LOD: 1 mg/kg.
41.		Chlorinated Organic Compounds 1. 2-Chlorotoluene, 2. 3-Chlorotoluene, 3. 4-Chlorotoluene, 4. 2,4-Dichlorotoluene, 5. 2,5-Dichlorotoluene, 6. 2,6-Dichlorotoluene, 7. 3,4-Dichlorotoluene, 8. 2,3,4-Trichlorotoluene, 9. 2,4,5-Trichlorotoluene,	MTS Validated In-House Method (Solvent Extraction /GCMS) SOP # 0049 (DIN 54232 & BS EN 17137-2018)	Range: 0.25-50mg/kg LOD: 0.025mg/L

  
 Quality Manager

## SCOPE OF ACCREDITATION

(For Testing Laboratory)

**CAB Name & Address:** Modern Testing Services (Bangladesh) Ltd.  
280, East Narsinghpur, Ashulia, Savar,  
Dhaka-1341, Bangladesh.

**Accreditation Standard:** ISO/IEC 17025:2017

**Accreditation Date:** 23 July 2014

**Certificate Number:** 01.015.14

**Issued on:** 23 Sep 2021

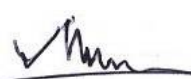
**Last Amended on:** NA

**Valid until:** 22 July 2024

**Amendment no:** NA

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
	Textile, Garment & Accessories	10. 2,3,4,5-Tetrachlorotoluene 11. 2,3,4,6-Tetrachlorotoluene 12. Pentachlorotoluene, 13. 1,2-Dichlorobenzene, 14. 1,3-Dichlorobenzene, 15. 4-Dichlorobenzene, 16. 1,2,3-Trichlorobenzene, 17. 1,2,4-Trichlorobenzene, 18. 1,2,3,4-Tetrachlorobenzene, 19. 1,2,3,5-Tetrachlorobenzene 20. 1,2,4,5-Tetrachlorobenzene, 21. Pentachlorobenzene, 22. Hexachlorobenzene,		
42.	Textile, Garment & Accessories	Brominated Flame Retardants	MTS Validated In-House Method /(Solvent Extraction /GCMS ) SOP # 0050 (ISO 17881-1:2016)	Range: 2.5-250mg/kg LOD: 0.1 mg/L
43.	Textile, Garment & Accessories	Phosphorous Flame Retardants	MTS Validated In-House Method /(Solvent Extraction /LCMS) SOP # 0051 (ISO 17881-2:2016)	Range: 2.5-250mg/kg LOD: 0.1 mg/L
44.	Textile, Garment & Accessories	Triclosan	MTS Validated In-House Method /(Solvent Extraction /GCMS) SOP # 0048	Range: 0.1-10mg/kg LOD: 0.1 mg/kg
45.	Textile, Garment & Accessories	Determination Of Solar UV Protective Properties- Method for Textile Fabrics	SOP#0057 EN 13758 – 1:2002 GB/T 18830-2002 AS/NZS 4399 :1996 BS 8466 :2006 SOP#0058, AATCC183:2014	UVA: 315-400 UVB: 280-315 UVR: 280-400 UPF upto 1000

\*\*\*END\*\*\*

  
 Quality Manager