

## Present Testing facilities of Textile Lab, BSTI.

Sl. No.	Description of Test	Specification, standard (method) or technique used	Present Testing fees, BSTI Taka.
<b>1</b>	Azo dyestuff test.  A) Non polyester/polyester.  B) Polyester blend.	BS EN 14362-1, EN 14362-3	<b>A) 3500.00</b>  <b>B) 6500.00</b>
<b>2</b>	Formaldehyde content	ISO 14184-1 ISO 14184-2	<b>3000.00</b>
<b>3</b>	Blend Composition of different fibres present i) Upto 2 Fibres. ii) Each additional Fibres.	ISO 1833 – 1:2006 (Cor 1 :2009) ISO 1833( 2 To 5 and 7,8,11,12, 16 ): 2006; ISO 1833 – 24:2010 BDS ISO 1833 ( 1 To 5 and 7,8,11,12 ):2012; BDS ISO 1833 – 16:2014 AATCC 20A:2014	<b>i) 1080.00</b> <b>ii) 504.00</b>
<b>4</b>	pH of aqueous extract	ISO 3071:2005 BDS ISO 3071:2006 AATCC 81:2012	<b>648.00</b>
<b>5</b>	Colour Fastness to Washing / Laundering i)(Temp. Up to 60C/140F) ii) (Temp above 60C/140F).	ISO 105 C 10:2006 ISO 105 C 06:2010 BDS ISO 105 C 06:2009 BDS ISO 105 C 10:2010 AATCC 61:2013	<b>i) 432.00</b> <b>ii) 720.00</b>
<b>6</b>	Colour Fastness to Rubbing / Crocking	ISO 105 X 12:2016 BDS ISO X 12:2006 AATCC 8:2013	<b>360.00</b>
<b>7</b>	Colour Fastness to Water	ISO 105 E 01:2013 BDS ISO 105 E 01:2016 AATCC 107:2013	<b>396.00</b>
<b>8</b>	Colour Fastness to Sea Water	ISO 105 E 02:2013 BDS ISO 105 E 02:2016 AATCC 106:2013	<b>432.00</b>
<b>9</b>	Colour Fastness to Perspiration	ISO 105 E 04:2013 BDS ISO 105 E 04:2016 AATCC 15:2013	<b>612.00</b>
<b>10</b>	Colour Fastness to Dry Cleaning	ISO 105 D 01:2010 BDS ISO 105 D 01:2011	<b>684.00</b>
<b>11</b>	Test for Water Repellency- Spray test	ISO 4920:2012 BDS ISO 4920:2012 AATCC 22:2014	<b>576.00</b>

Sl. No.	Description of Test	Specification, standard (method) or technique used	Present Testing fees, BSTI Taka.
12	Dimensional Stability to machine Washing / Laundering ISO method i) Fabric Shrinkage. ii) Garment Shrinkage. iii) Each additional wash.	ISO 6330:2012 ISO 3759:2011 & ISO 5077:2007 BDS ISO 6330: 2006 BDS ISO 3759:2006 & BDS ISO 5077:2008	<b>i) 684.00</b> <b>ii) 900.00</b> <b>iii) 360.00</b>
13	Colour fastness to Saliva	DIN 53160 – 1 :2010	<b>648.00</b>
14	Total Lead Content in Surface Coating or paint	ASTM E1645:2016 ASTM E 1613- 2012	<b>1260.00</b>
15	Determination of Extractable Heavy Metals Antimony, Arsenic, Lead, Cadmium, Mercury, Copper. Chromium, Cobalt, Nickel	Acid/Alkali sweat extract as per ISO 105 EO4: 2013 and analysis by AAS As per ASTM E 1613-2012	<b>2436.00</b>
16	Determination of Soluble Heavy Metals Antimony, Arsenic, Barium, Cadmium Chromium, Lead, Mercury, Selenium	ASTM F963- <b>2016</b> (4.3.5 & 8.3) Analysis Method and analysis by AAS As per ASTM E 1613-2012	<b>840.00</b>
17	Determination of Migration of Heavy Metals Antimony, Arsenic, Barium, Cadmium Chromium, Lead, Mercury, Selenium	BS EN 71 Part 3 : 1995 and analysis by AAS As per ASTM E 1613-2012	<b>2436.00</b>
18	Colour Fastness to bleaching – Hypochlorite	ISO 105 – N 01:1993 BDS ISO 105 – N 01:2007	<b>798.00</b>
19	Absorbency of Textile	AATCC 79:2014	<b>840.00</b>
20	Colour Fastness to domestic and commercial laundering oxidative bleach response using a non phosphate reference detergent incorporating a low temperature leach activator	ISO 105 – C 09: 2001 (A1:2003) BDS ISO 105 – C 09 : 2009	<b>798.00</b>
21	Colour Fastness to Phenolic Yellowing	ISO 105 X 18:2007 BDS ISO 105 X 18:2012	<b>1303.00</b>

Sl. No.	Description of Test	Specification, standard (method) or technique used	Present Testing fees, BSTI Taka.
22	Durability of Finish of Zippers to Laundering	ASTM D 2051 : 2014	<b>966.00</b>
23	Determination of Cadmium content in plastics	BSEN 1122:2001	<b>1260.00</b>
24	Colour Fastness to Spotting : Acid	ISO 105 E05 :2010 BDS ISO 105 E05 :2011	<b>113.00</b> (Previous fees)
25	Colour Fastness to Spotting : Alkali	ISO 105 E06 :2006 BDS ISO 105 E06 :2011	<b>113.00</b> (Previous fees)
26	Colour Fastness to Spotting : Water	ISO 105 E07 :2010 BDS ISO 105 E07 :2011	<b>113.00</b> (Previous fees)
27	Count (Linear density) of thread removed from fabric (Woven & Knitted)	ISO 7211-5:1984 ASTM 1059:2001 BDS ISO 7211-5:2008	<b>612.00</b>
28	Threads per unit length (Ends and Picks per inch)	ISO 7211-2:1984 ASTM D 3775:2012 BSEN 1049-2-1994 BDS ISO 7211- 2:2008	<b>540.00</b>
29	GSM (Weight per unit area or length)	ISO 3801:1977 ASTM D 3776/ D3776M:2013 BS EN 12127 : 1998 BDS ISO 3801:2010	<b>468.00</b>
30	Tensile Strength (Strip strength) and Elongation at break	ISO 13934 -1:2013 BDS ISO 13934-1:2006 ASTM D 5035:2015	<b>612.00</b>
31	Tensile Strength (Grab strength) and Elongation at break	ISO 13934 -2:2014 BDS ISO 13934-2:2006 ASTM D 5034:2013	<b>612.00</b>
32	Width of fabric	ISO 22198:2006 ASTM D 3774: 2016 BDS ISO 22198:2009	<b>288.00</b>
33	Tear strength	BDS ISO 13937-1:2005 ASTM D 1424:2013 ISO 13937-1:2000 (Cor:2004)	<b>612.00</b>
34	Martindale Abrasion Resistance. i)(Specimen break down) ii) (Mass Loss) iii) (Appearance) iv) (Subsequent 10000 rubs)	ISO 12947 – 1, 3 &4:1998 (Cor.1:2002). ISO 12947 - 2:2016 ASTM D 4966: 2016 BDS ISO 12947-1 to 4:2009	<b>i) 648.00</b> <b>ii) 648.00</b> <b>iii) 648.00</b> <b>iv) 360.00</b>

Sl. No.	Description of Test	Specification, standard (method) or technique used	Present Testing fees, BSTI Taka.
35	Pilling resistance (Pill Box method). (Up to 5 hrs/18000 revs) (Subsequent 5 hrs/18000 revs)	ISO 12945-1:2000	<b>756.00</b>
		BDS ISO 12945-1 :2009	<b>432.00</b>
36	Crease Recovery Angle of fabric	ISO 2313:1972 AATCC 66:2014 BDS ISO 2313:2008	<b>900.00</b>
37	Seam Slippage and strength.	ISO 13935-1 & 2:2014 ISO 13936-1 & 2 : :2004 ASTM D 434 : 1995	<b>648.00</b>
		BDS ISO 13935-1& 2 :2015 BDS ISO 13936-1 & 2 : :2013	<b>648.00</b>
38	Seam Failure	ASTM D 1683/1683 M - 16	<b>648.00</b>
39	Bursting Strength	ISO 13938-1 &2:1999 ASTM D 3786/ 3786M:2013 BDS ISO 13938-1&2:2009	<b>612.00</b>
40	Wales & Course per Unit Length	ASTM D 3887 : 1996 (RA2008)	<b>630.00</b>
41	Determination of linear density of yarn by skein method	ISO 2060:1994 BDS ISO 2060:1998	<b>756.00</b>
42	Determination of skein (lea) breaking strength and tenacity	ISO 6939:1988 BDS ISO 6939:1998	<b>840.00</b>
43	Twist of yarn – (a) Direct counting method (b) Untwist re-twist Method	(a) ISO 2061:2015 BDS ISO 2061:2011	<b>a) 756.00</b>
		(b) ISO 17202:2002 BDS ISO 17202:2007	<b>b) 756.00</b>
44	Yarn Number and Strength and elongation of sewing thread	ISO 2062:2009 ASTM D 204 : 2016 BDS ISO 2062:2014	<b>1848.00</b>
45	Safety Specification for Drawstrings Guideline on Children's upper outer wear /clothing	ASTM F 1816:1997 ( RA 2009) BS EN 14682-2014	<b>1050.00</b>
46.	Colour fastness tests to light a) Daylight b) Artificial light	BDS ISO 105-B01: 2005	<b>a) 375.00</b>
		BDS ISO 105-B02: 2005	<b>b) 375.00</b>

**Note : SL. No. from 3 to 45 Test parameters are accredited by BAB , Bangladesh.**

## Other testing facilities of Textile Lab

Sl. no	Description of Tests	Testing fees
<b>1.</b>	<b>Fibre, cotton :</b>	
	a) Ash content%	<b>350.00</b>
	b) Water soluble extract %	<b>227.50</b>
	c) Absorbency	<b>175.00</b>
	d) Resistance to heat ( As per BDS)	<b>175.00</b>
<b>2.</b>	<b>Yarn, all sorts of textile (single)</b>	
	a) Direction of twist	<b>131.25</b>
	b) C.S.P (count & strength)	<b>1596.00</b>
	c) Filaments, no. of plies	<b>70.00</b>
	d) Weight of standards length	<b>175.00</b>
<b>3.</b>	<b>Fabric, all sorts of textile fabrics :</b>	
	a) Weave (Plain)	<b>70.00</b>
	b) Other than plain weave	<b>140.00</b>
	c) Identification of dye stuff	<b>227.50</b>
	d) Width measurement (Accredited )	<b>288.00</b>
	e) Length measurement	<b>87.50</b>
<b>4.</b>	<b>Jute goods (woven), Hemp:</b>	
	a) Length	<b>105.00</b>
	b) Width measurement (Accredited )	<b>288.00</b>
	c) Weight at room temperature	<b>175.00</b>
	d) Weight (conditioned)	<b>140.00</b>
	e) Weight	<b>175.00</b>
<b>5.</b>	<b>Testing items : Miscellaneous test</b>	
	a) Water proofing test (Cone)	<b>175.00</b>
	b) Moisture testing	<b>175.00</b>
	c) Percentage of coating (Wax coating)	<b>227.50</b>
	d) Thickness	<b>175.00</b>
	e) No of stitches per inch	<b>70.00</b>
	f) No of grooves of shuttle	<b>87.50</b>
	g) Feel of fabric	<b>70.00</b>
	h) Kind of mesh of net fabric	<b>87.50</b>
	i) % of bone dry wt. of fabric	<b>175.00</b>
	j)Base and Bias (Mosquito netting)	<b>540.00</b>