GLOBAL ACCEPTANCE

BAB

BANGLADESH ACCREDITATION BOARD

ACCREDITATION CERTIFICATE

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

LabRight Bangladesh Limited

Liza Mansion, Block K, House 80, Park Road

Baridhara, Dhaka, 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	:	**01.028.15**
Accreditation Date	:	**31 August 2015**
Date of Issuance	:	**07 October 2018**
Date of Expiration	:	**30 August 2021**

CERT. NO. 01.028.15

BAB

BANGLADESH ACCREDITATION BOARD
Accredited for ISO/IEC 17025:2017

GLOBAL BAB ACCREDITED ACCEPTANCE

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.

BANGLADESH ACCREDITATION BOARD (BAB)

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

SCOPE OF ACCREDITATION
(For Testing Laboratory)

CAB Name & Address: **LabRight Bangladesh Limited**
Liza Mansion, Block # K, House 80, Park Road, Baridhara, Dhaka, Bangladesh

Accreditation Standard: ISO/IEC 17025:2017
Certificate Number: 01.028.15
Last Amended on: NA
Amendment no : 00

Accreditation Date: 31 August 2015
Issued on: 07 October 2018
Valid until: 30 August 2021

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: Chemical Testing				
01.	Textile, Garments & Accessories	Domestic washing and drying procedures for textile testing	ISO 6330:2012 ISO5077:2007 ISO3759:2011 BS EN ISO 6330:2012 BS EN ISO5077:2008 BS EN ISO3759:2011 DIN EN ISO 6330 - 2013-02 DIN EN ISO 5077 - 2008-04 DIN EN ISO 3759 - 2011-08 GB/T 8628-2013 GB/T 8629-2017 GB/T 8630-2013	(-30 to 30) %
02.	Textile, Garments & Accessories	Color fastness to domestic and commercial laundering	ISO 105 C06: 2010 BS EN ISO 105 C06: 2010 DIN EN ISO 105-C06 - 2010-08 GB/T 12490:2014	1 to 5 Grade
03.	Textile, Garments & Accessories	Color fastness to water	ISO 105-E01: 2013 BS EN ISO 105-E01: 2013 DIN EN ISO 105-E01 - 2013-06 GB/T 5713-2013	1 to 5 Grade
04.	Textile, Garments & Accessories	Color fastness to sea water	ISO 105-E02:2013 BS EN ISO 105-E02:2013 DIN EN ISO 105-E02 - 2013-06 GB/T 5714-2019	1 to 5 Grade
05	Textile, Garments & Accessories	Color fastness toperspiration	ISO 105-E04: 2013 BS EN ISO 105-E04: 2013 DIN EN ISO 105-E04 - 2013-08 GB/T 3922: 2013	1 to 5 Grade
06	Textile, Garments & Accessories	Color fastness rubbing	ISO 105 – X12: 2016 BS EN ISO 105 – X12: 2016 DIN EN ISO 105 –X12: 2016-11 GB/T 3920-2008	1 to 5 Grade
07	Textile, Garments & Accessories	Color fastness to light wetted with perspiration	ISO 105 – B07: 2009 BS EN ISO 105 – B07: 2009 DIN EN ISO 105 – B07: 2009	1 to 5 Grade
08	Textile, Garments & Accessories	Colour fastness to domestic and commercial laundering — oxidative bleach response using a non-phosphate reference detergent incorporating a low temperature bleach activator	ISO 105 C09:2001 /Amd 1:2003 BS EN ISO 105 C09:2003 DIN EN ISO 105 C09:2007-10	1 to 5 Grade

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

09	Textile, Garments & Accessories	Determination ofphenolic yellowing	ISO 105 -X18: 2007 BS EN ISO 105 -X18: 2007 DIN EN ISO 105 -X18: 2007-12	1 to 5 Grade
10	Textile, leather. Garments & Accessories	Determination of aromatic amines derived from azo coloring agent in textile samples – method 1: determination of azo coloring agents with extraction and without extraction. 1) 2,4-Diaminotoluene 2) 2,4-Diaminoanisole 3) o-Toluidine 4) 2,4-dimetylbenzenemine (2,4-Xylidine) 5) O-anisidine 6) 4-Chloroaniline or P-Chloroaniline 7) p-cresidine 8) 2,4,5-Trimethylaniline 9) 4-chloro-o-toluidine 10) 2-naphtylamine 11) 2-amino-4-nitrotoluene 12) 4-aminodiphenyl 13) 4,4'-Oxydianiline 14) Benzidine 15) 4,4'-diaminodiphenylmethane 16) o-aminoazotoluene 17) 3,3'-dimethyl-4,4' diaminodiphenylmethane 18) 3,3'-dimethylbenzidine 19) 4,4,-thiodianiline 20) Aniline 21) 1.4 Phenyldiamine 22) 3,3,-dichlorobenzidine 23) 4,4′-Methylene-bis(2-chloroaniline) 24) 3,3'-dimethoxybenzidine 25) 4-Aminoazobenzene	ISO 14362-1:2017 ISO 14362-3:2017 ISO 17234-1:2015 ISO 17234-2:2011 BS EN ISO 14362-1:2017 BS EN ISO 14362-3:2017 BS EN ISO 17234-1:2015 BS EN ISO 17234-2:2011 DIN EN ISO 14362-1:2017-05 DIN EN ISO 14362-3:2017-05 DIN EN ISO 17234-1:2015-07 DIN EN ISO 17234-2:2011-06 GB/T 17592-2011 GB/T 19942-2005 GB/T 23344-2009	5 – 50000 mg/kg
11	Textile, Garments & Accessories	Determination of chlorinated organic carriers in textile products (chlorinated benzene and toluene (COC) - 1) 2-Chlorotoluene 2) 3-Chlorotoluene 3) 4-Chlorotoluene 4) 1,3-Dichlorobenzene 5) 1,4-Dichlorobenzene 6) 1,2-Dichlorobenzene 7) 2,4-Dichlorotoluene 8) 2,5-Dichlorotoluene 9) 2,6-Dichlorotoluene 10) 1,3,5-Trichlorobenzene 11) 2,3-Dichlorotoluene 12) 3,4-Dichlorotoluene 13) 1,2,4-Trichlorobenzene 14) 1,2,3-Trichlorobenzene	DIN EN 17137:2019-02	0.1 – 1000 mg/kg

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

		15) 2,3,6-Trichlorotoluene 16) 2,4,5-Trichlorotoluene 17) 1,2,3,5-Tetrachlorobenzene 18) 1,2,4,5-Tetrachlorobenzene 19) 1,2,3,4-Tetrachlorobenzene 20) Pentachlorobenzene 21) 2,3,4,5,6-Pentachlorotoluene 22) Hexachlorobenzene		
12	Textile, Leather, Garments & Accessories	Determination of phthalate in textile 1) Phthalic acid, bis-iso-nonyl ester (DINP) 2) Di-n-octyl phthalate (DNOP) 3) Phthalic acid, bis-2-ethylhexyl ester (DEHP) 4) Di-isodecyl phthalate (DIDP) 5) Benzyl Butyl phthalate (BBP) 6) Di-Butyl Phthalate (DBP) 7) Di-iso-butyl phthalate (DIBP) 8) Di-C6-8-branched alkylphthalates (DIHP) 9) Di-C7-11-branched alkylphthalates (DHNUP) 10) Phthalic acid, bis-n-heptyl ester (DHEPP) 11) Di- n-hexylphthalate (DHxP) 12) Diundecyl phthalate (DUP) 13) Di-(2-methoxyethyl)-phthalate (DMEP) 14) Dipentyl phthalate (DPP) 15) Phthalic acid, bis-nonyl ester (DNP) 16) Phthalic acid ,bis-ethyl ester (DEP) 17) Phthalic acid ,bis-cyclohexyl ester (DCHP) 18) Phthalic acid ,bis-iso-hexyl ester (mixture of isomer)(DIHxP) 19) Phthalic acid ,bis-iso-octyl ester(DIOP) 20) Phthalic acid ,bis-propyl ester(DPRP) 21) Di-iso-hexyl phthalate-2(DIHxP) 22) 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters C6-C10=(CDnHP +	CPSC-CH-C1001-09.3 - 2010 CPSC-CH-C1001-09.4 - 2018 ISO 14389:2014 ISO/TS 16181:2011 BS EN ISO 14389:2014 BS EN 15777:2009 DIN EN ISO 14389:2014-10	350 -500,000 mg/kg

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

		CDIHxP + C DIHpP + CDEHP + CDNOP + C DINP + CDIDP) 23) 1,2-benzene dicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3 % of dihexyl phthalate		
13	Textile, Garments & Accessories	Determination of free & released formaldehyde	ISO 14184-1:2011 ISO 14184-2:2011 ISO 17226-1:2018 ISO 17226-2:2018 BS EN ISO 14184-1:2011 BS EN ISO 14184-2:2011 BS EN ISO 17226-1:2019 BS EN ISO 17226-2:2019 BS EN 717-3:1996 BS EN 1541:2001 DIN EN ISO 14184-1:2011-12 DIN EN ISO 14184-2:2011-12 DIN EN ISO 17226-1:2019-04 DIN EN ISO 17226-2:2019-04 DIN EN 717-3:1996-05 DIN EN 1541:2001-07 GB/T 19941:2005 GB/T 2912.1:2009 GB/T 2912.2:2009 GB/T 2912.3:2009	15 – 10,000 mg/kg
14	Textile, Garments & Accessories	Determination of pHaqueous extract in textile	ISO 3071:2005 BS EN ISO 3071:2006 DIN EN ISO 3071 - 2006-05 GB/T 7573:2009	1 to 14
	Leather & its accessories, components materials and Garments	Determination of pHaqueous extract in leather	ISO 4045:2018 BS EN ISO 4045:2018 DIN EN ISO 4045:2018	1 to 14
15	Textile, Garments & Accessories	Extractable Heavy metals and Total Heavy Metals 1) Cadmium (Cd) 2) Lead; (Pb) 3) Nickel; (Ni) 4) Chrome (Cr) 5) Copper (Cu) 6) Antimony (Sb) 7) Arsenic (As) 8) Cobalt (Co) 9) Mercury (Hg) 10) Selenium (Se) 11) Barium (Ba)	ISO 17072-1:2019 ISO 17072-2:2019 BS EN ISO 17072-1:2019 BS EN ISO 17072-2:2019 BS EN 16711-1 BS EN 16711-2 DIN EN ISO 17072-1:2019-07 DIN EN ISO 17072-2:2019-07 DIN EN 16711-1:2016-02 DIN EN 16711-2:2016-02 DIN 54233-3-2010-02	Cd: 0.05mg/kg & above Pb: 0.10mg/kg & above Ni: 0.50mg/kg & above Cr: 0.51mg/kg & above Cu: 1.75mg/kg & above Sb: 2.11mg/kg &above As: 0.10mg/kg & above Co: 0.50mg/kg& above Hg: 0.01mg/kg & above
16	Textile, Garments &	Migration of heavy metals (toxicity)	BS EN 71-3:2019	B: 153.5 mg/kg & above

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

	Accessories	1) Boron (B) 2) Aluminum (Al) 3) Manganese (Mn) 4) Nickel (Ni) 5) Cupper (Cu) 6) Zinc (Zn) 7) Strontium (Sr) 8) Barium (Ba) 9) Cobalt (Co) 10) Selenium (Se) 11) Tin (Sn) 12) Antimony (Sb) 13) Lead (Pb) 14) Chromium (Cr) 15) Arsenic (As) 16) Cadmium (Cd) 17) Mercury (Hg)		Al: 176 mg/kg & above Mn: 153.8 mg/kg & above Ni: 191.3 mg/kg & above Cu: 99.4 mg/kg & above Zn: 113.6 mg/kg & above Sr: 42.4 mg/kg & above Ba: 93.5 mg/kg & above Co: 13.2mg/kg & above Se: 20.8mg/kg & above Sn: 19.3mg/kg & above Sb: 65.1mg/kg & above Pb: 14.5mg/kg & above Cr:1.5mg/kg & above As: 2.6mg/kg & above Cd: 0.9mg/kg & above Hg: 1.5mg/kg & above.
17	Textile, Garments & Accessories	Cadmium determination	BS EN 1122:2001 EN 1122:2001 USEPA 3052:1996 CPSC-CH-E1004-11:2011 GB/T 30157:2013	11.5 mg/kg & above
18	Textile, Garments & Accessories	Determination of nickel release from products intended to come into direct and prolonged contact with skin.	BS EN 1811:2011 + A1:2015 BS EN 12472:2005+ A1:2009 DIN EN 1811:2015-10 DIN EN 12472:2009-09	0.15 – 500 $\mu g/cm^2$/week
19	Textile, Garments & Accessories	Determination of nickel in metal samples - spot test	PD CR 12471:2002	Qualitative
20	Textile, Garments & Accessories	Determination of organic tin compounds 1) Dibutyltin dichloride (DBT) 2) Tributyltin chloride (TBTC) 3) Di-n-octyltin-dichloride (DOT) 4) Triphenyltin chloride (Fentin chloride) (TPhT 5) n-Octyltin-trichloride (MOT)	ISO/TS 16179:2012	0.03 – 1000 mg/kg

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

		6) Di-n-propyltin-dichloride (DPrT) 7) Diphenyltin-dichloride (DPhT) 8) Tricyclohexyltin chloride (TCHT) 9) Tetrabutyltin (TeBT) 10) n-Butyltin trichloride (MBT) 11) Dimethyltin-dichloride (DMT) 12) Methyltin Trichloride (MMT) 13) Phenyltin Trichloride (MPhT) 14) Tetraethyltin (TeET) 15) Trimethyltin Chloride (TMT) 16) Tripropyltin Chloride (TPrT) 17) Trioctyltin Chloride (TOT) 18) Di-n-heptyltin Dichloride (DHpT)		
21	Textile, Garments & Accessories	Determination method ofalkylphenol ethoxylate (APEO) in textile samples. 1) Igepal CO-630 (NPEO) 2) Triton X-100 (OPEO) 3) 4-n-octylphenol (4-OP) 4) 4-n-nonylphenol (4-NP) 5) 4-n-Amylphenol 6) 4-tert-Amylphenol 7) 4-Heptylphenol	ISO 18254 -1:2016 ISO 18218-1:2015 BS EN ISO 18254-1:2016 BS EN ISO 18218-1:2015 DIN EN ISO 18254-1:2016-09 DIN EN ISO 18218-1:2015-11	2 - 10,000 mg/kg
22	Textile, Garments & Accessories	Determination of Perfluorinated compounds 1) Perfluorooctanic acid (PFOA) 2) Perfluorooctane sulfonic acid (PFOS) 3) Perfluoro-n-undecanoic Acid (PFUdA) 4) Perfluoro-n-dodecanoic Acid (PFDoA) 5) Perfluoro-n-tridecanoic Acid (PFTrDA) 6) Perfluoro-n-tetradecanoic Acid (PFTeDA) 7) Sulfuramide (N-Et-FOSA) 8) Perfluorobutanesulfonic acid (PFBS) 9) Perfluorononanoic acid (PFNA) 10) Perfluorooctane sulfonyl fluoride (PFOSF) 11) Perfluoropentanoic acid (PFPeA) 12) Perfluorohexanoic acid	CEN-TS-15968:2010	0.01 – 1000 mg/kg

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

		(PFHxA) 13) Perfluoroheptanoic acid (PFHpA) 14) Perfluorooctanesulfonamide (PFOSA) 15) Heptafluorobutyric acid (PFBA) 16) N-Ethyl-N-(2-Hydroxyethyl)perflouroctane (N-Et-FOSE) 17) N-Methylperflourooctanesulfonamide (N-Me-FOSA) 18) Perflourohexanesulfonic acid (PFHxS) 19) Perflouroheptanesulfonic acid (PFHpS) 20) 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-Heptadecafluoroundecanoic Acid (4HPFUnA) 21) 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctane-1-sulphonic Acid (1H, 1H, 2H, 2H PFOS) 22) N-Methylperfluorooctanesulfonamidoethanol (N-Me-FOSE) 23) Perfluorodecane Sulfonic Acid (PFDS) 24) Perfluoro-3,7-dimethyl-octanoic acid (P-3,7-DMOA) 25) Perfluoro-n-decanoic acid (PFDA) 26) 7H-Dodecafluoroheptanoic Acid (HPFHpA)		
23	Textile, Leather, Garments & Accessories	Determination of Dimethyl fumarate (DMFu)	ISO-TS-16186:2012	0.1 – 500 mg/kg
24	Textile, Leather, Garments & Accessories	Determination dimethylformamide (DMFa)	ISO/TS 16189:2013)	5 – 100 mg/kg
25	Leather, Garments & Accessories	Determination of Hexavalent Chromium	ISO 4044:2017 ISO 17075-1:2017 BS EN ISO 4044:2017 BS EN ISO 17075-1:2017 DIN EN ISO 4044 - 2017-05 DIN EN ISO 17075-1:2017-05 DIN 53314 - 1996-04	0.5 – 5000 mg/kg
26	Textile, Garments & Accessories	Determination of allergen and cancerogenic dye stuffs. 1) Acid Red 26 2) Basic Red 9 3) Basic Violet 14 4) Direct Black 38	DIN 54231:2005-11	1 – 5000 mg/kg

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

		5) Direct Blue 6 6) Direct Red 28 7) Disperse Blue 1 8) Disperse Orange 11 9) Disperse Yellow 3 10) Disperse Blue 1 11) Disperse Blue 3 12) Disperse Blue 7 13) Disperse Blue 26 14) Disperse Blue 35 15) Disperse Blue 102 16) Disperse Blue 106 17) Disperse Blue 124 18) Disperse Orange 1 19) Disperse Orange 3 20) Disperse Orange 37/76 21) Disperse Red 1 22) Disperse Red 11 23) Disperse Red 17 24) Disperse Yellow 1 25) Disperse Yellow 3 26) Disperse Yellow 9 27) Disperse Yellow 39 28) Disperse Yellow 49 29) Disperse Brown 1 30) Disperse Orange 149 31) Disperse Yellow 23		
27	Textile, Garments & Accessories	Heavy metal determination in packaging materials 1) Lead (Pb) 2) Cadmium (Cd) 3) Mercury (Hg) 4) Chromium (Cr)	PD CR 13695-1:2000, IEC 62321:2008	10 – 5000 mg/kg
28	Textile, Garments & Accessories	Determination of total lead.	ASTM – F963 16 CFR part 1303:2013, CPSC-CH-E1003-09.1:2011 CPSC-CH-E1002-8.1:2011 CPSC-CH-E1001-08.3:2012 GB/T 30157:2013	16 -10,000 mg/kg
29		Determination of polycyclic aromatic hydrocarbones (PAH) 1) Benzo(j)fluoranthene (BjFA) 2) Benzo(a)pyrene (BaP) 3) Benzo(e)pyrene (BeP) 4) Benzo(a)antracene (BaA) 5) Chrysene (CHR) 6) Benzo(b)fluoranthene (BbFA) 7) Benzo(k)fluorante (BkFA) 8) Dibenzo(a,h)anthracene (DBAhA) 9) Acenaphtene 10) Acenaphthylene 11) Benzo(ghi)perylene	AfPS GS 2014:01 ZEK-01.2-08:2018 ISO/TS 16190:2013 ISO 18287:2006	0.1 – 1000 mg/kg

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

		12) Fluoranthene 13) Fluorene 14) Indeno (1,2,3-cd)pyrene 15) Naphtalene 16) Phenanthrene 17) Pyrene 18) Cyclopenta(c,d)pyrene 19) Dibenzo(a,e)pyrene 20) Dibenzo(a,h)pyrene 21) Dibenzo(a,i)pyrene 22) Dibenzo(a,l)pyrene 23) 1-Methylpyrene 24) Anthracene		
30	Textile, Garments & Accessories	Determination of spirality after laundering – on woven and knitted fabrics	ISO 16322-2: 2005 / Cor 1: 2007 Method-B & Method C	(-30 to 30) %
31	Textile, Garments & Accessories	Color fastness to chlorinated water (swimming-pool water)	ISO 105 - E03: 2010 BS EN ISO 105 - E03: 2010 DIN EN ISO 105-E03 - 2010-08 GB/T 8433-2013	1 to 5 Grade
32	Textile, Garments & Accessories	Metallic accessories – corrosion resistance	ISO 22775: 2004 Method 2 BS 4162:1983 Section 10 BS EN ISO 22775: 2004 Method 2 DIN EN ISO 22775 - 2005-03 Method 2	1 to 5 Grade
33	Textile, Garments & Accessories	Determination of the colour fastness of articles for common use – Part 1: Test with artificial saliva	DIN 53160-1:2010 GB/T 18886-2002	1 to 5 Grade
34	Textile, Garments & Accessories	Determination of the colour fastness of articles for common use – Part 2: Test with artificial sweat	DIN-53160-2:2010	1 to 5 Grade
35	Textile, Garments & Accessories	Determination colour fastness to artificial weathering: Xenon arc fading lamp test.	ISO 105 B04:1994 BS EN ISO B04:1997 DIN EN ISO 105-B04	1 to 5 Grade
36	Textile, Garments & Accessories	Fiber Analysis	ISO 1833-1:2006 ISO 1833-2:2006 ISO 1833-4:2017 ISO 1833-6:2007 ISO 1833-7:2017 ISO 1833-11:2017 ISO 1833-12:2006 AATCC 20:2013 AATCC 20A:2017 ASTM D629 -15 EU 1007 / 2011 GB/T 2910.1-2009 GB/T 2910.2-2009 GB/T 2910.4-2009 GB/T 2910.6-2009 GB/T 2910.7-2009	0.1 to 100%

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

			GB/T 2910.11-2009 GB/T 2910.12-2009	
Field: Mechanical Testing				
01.	Textile, Garments & Accessories	Determination of tear strength– ballistic pendulum method	ISO 13937-1:2000 / Cor 1:2004 BSENISO13937-1:2000 DIN EN ISO 13937-1:2000-06 ISO 4674-2:1998 ASTM D 1424	100gf – 6530gf
		Tearing strength of fabrics (Single rip)	ISO 13937-2:2000 ISO 13937-3:2000 BS EN ISO 13937-2:2000 BS EN ISO 13937-3:2000 DIN EN ISO 13937-2:2000-06 DIN EN ISO 13937-3:2000-06 ASTM 2261-13 (2017) e1	100gf – 6530gf
		Tearing strength of fabrics (Double tear)	ISO 13937-4:2000 BS EN ISO 13937-4:2000 DIN EN ISO 13937-4:2000-06	100gf – 6530gf
02.	Textile, Garments & Accessories	Determination of bursting strength and bursting distention by the pneumatic methods	ISO 13938-2:2019 BS EN ISO 13938-2:2019 DIN EN ISO 13938-2:2019 ASTM D 3786/D 3786M	1 to 1000 kPa
03.	Textile, Garments & Accessories	Determination of abrasion resistance of fabrics Martindale methods	ISO 12947-1:1998/ Cor 1:2002 ISO 12947-2: 2016 ISO 12947-3:1998/ Cor 1:2002 ISO 12947-4:1998/Cor 1:2002 BS EN ISO 12947-1: 1998 BS EN ISO 12947-2: 2016 BS EN ISO 12947-3: 1998 BS EN ISO 12947-4: 1998 DIN EN ISO 12947-1:2007-04 DIN EN ISO 12947-2:2017-03 DIN EN ISO 12947-3: 2007-04 DIN EN ISO 12947-4: 2007-04 ASTM D4966-12 (2016)	1 to Grade 5
04.	Textile, Garments & Accessories	Determination of maximum force – grab method	ISO 13934-2:2014 BS EN ISO 13934-2:2014 DIN EN ISO 13934-2:2014 ISO 1421:2016 ASTM D 5034-09 (2017)	1kgf to 300kgf
		Determination of maximum force and elongation at maximum force using the strip method	ISO 13934-1:2013 BS EN ISO 13934-1:2013 DIN EN ISO 13934-1:2013-08 ASTM D5035-11 (2019)	1kgf to 300kgf
05	Textile, Garments & Accessories	Woven fabrics- determination of mass per unit length and mass per unit area	BS 2471:2005 ISO 3801:1977 BS EN 12127:1998 DIN EN 12127:1997-12 ASTM D 3776/D 3776M -09a (2017)	0.1 – 20,000 GSM
06	Textile, Garments & Accessories	Determination of slippage resistance of yarns at a seam in woven fabrics: Fixed seam opening method	ISO 13936-1:2004 BS EN ISO 13936-1:2004 DIN EN ISO 13936-1:2004-07	1kgf to 20kgf
		Determination of the slippage resistance of yarns at a seam	ISO 13936-2:2004 BS EN ISO 13936-2:2004	1kgf to 20kgf

Quality Manager

91, Motijheel C/A, Dhaka-1000
Tel: +880-2-9513221
Fax: +880-2-9513222
Email:info@bab.org.bd
Web: www.bab.org.bd

		in woven fabrics – fixed load method	DIN EN ISO 13936-2:2004-07	
07	Textile, Garments & Accessories	Determination of fabric propensity to surface fuzzing and to pilling – modified Martindale method	ISO 12945-2:2000 BS EN ISO 12945-2:2000 DIN EN ISO 12945-2:2000-11 ASTM D 4970/D 4970M – 16e3	1 to 5 Grade
08	Textile, Garments & Accessories	Determination of fabric propensity to surface fuzzing and to pilling – Pilling box method.	ISO 12945 –1:2000 BS EN ISO 12945 –1:2001 DIN EN ISO 12945-1:2001-08	1 to 5 Grade
09	Textile, Garments & Accessories	Color fastness to artificial light: xenon arc fading lamp test	ISO 105-B02:2014 BS EN ISO 105-B02:2014 DIN EN ISO 105-B02:2014-11	1 to 5 Grade
10	Textile, Garments & Accessories	Zipper physical tests	BS EN 16732:2015 Incorporating corrigendum July 2017 ASTM D2061-07 (2013)	1N to 3000 N
11	Textile, Garments & Accessories	Torque test	BS EN 71-1:2014+A1:2018 Part 8.3	Qualitative
12	Textile, Garments & Accessories	Determination of maximum force to seam rupture using the strip method	ISO 13935-1:2014 BS EN ISO 13935-1:2014 DIN EN ISO 13935-1:2014 ASTM D1683/ D1683M-17 (2018)	1 kgf to 300 kgf
		Determination of maximum force to seam rupture using the grab method	ISO 13935-2:2014 BS EN ISO 13935-2:2014 DIN EN ISO 13935-2:2014	1 kgf to 300 kgf
13	Textile, Garments & Accessories	Test procedure-Determination of fabrics' elasticity- strip test	EN 14704-1:2005 BS EN 14704-1:2005; DIN EN 14704-1:2005-07	1 to 300%
14	Textile, Garments & Accessories	Determination of elasticity of fabrics - Narrow Fabric	BS EN 14704-3: 2006 DIN EN 14704-3:2007-03	1 to 300%
15	Textile, Garments & Accessories	Determination of button strength test	BS 4162: 1983 Section 4 BS 7907:2007	1 to 500N

END

Quality Manager