



ACCREDITATION CERTIFICATE

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

Bangladesh Material Testing Laboratory Ltd.

Plot # 33 & 37 (1st Floor), Milk Vita Road, Section-7

Mirpur, Dhaka, Bangladesh

This is to certify that this

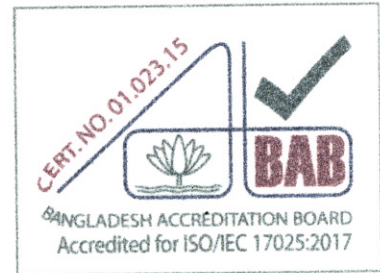
Testing Laboratory


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 : **01.023.15**
Accreditation Date : **02 June 2015**
Date of Issuance : **19 January 2022**
Date of Expiration : **01 June 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:	Bangladesh Material Testing Laboratory Ltd.		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	02 Jun 15
Certificate Number:	01.023.15	Issued on:	19 Jan 2022
Last Amended on:	12 Mar 22	Valid until:	01 Jun 24
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
1	Geotextile/ Geosynthetics	Geotextiles-Determination of mass per unit area	ISO 9864:2008	10-2000 g/m ²
2	Geotextile/ Geosynthetics	Standard Test Method for Measuring Mass per Unit Area of Geotextiles	ASTM D5261-10:2018	10-2000 g/m ²
3	Geotextile/ Geosynthetics	Geosynthetics-Determination of Thickness at specified Pressures	BDS ISO 9863-1:2008	0.01-10mm
4	Geotextile/ Geosynthetics	Standard Test Method for Measuring the Nominal Thickness of Geosynthetics	ASTM D5199-12:2019	0.01-10mm
5	Geotextile/ Geosynthetics	Geosynthetics-Wide-width tensile test.	ISO 10319:2015	0.01-100 KN/m
6	Geotextile/ Geosynthetics	Geosynthetics-Wide-width tensile test.	ASTM D4595-17:2017	0.01-100 KN/m
7	Geotextile/ Geosynthetics	Geosynthetics- Static Puncture Test (CBR Test)	BDS ISO 12236:2008	2-20000N
8	Geotextile/ Geosynthetics	Geosynthetics- Static Puncture Test (CBR Test)	ASTM D6241-14:2014	2-20000N
9	Geotextile/ Geosynthetics	Geotextiles and geotextile-related products- Determination of water permeability characteristics normal to the plane, without load.	ISO 11058:2010	0-400mm head difference
10	Geotextile/ Geosynthetics	Standard Test Methods for Water Permeability of Geotextile by Permittivity	ASTM D4491:2021	0-400mm head difference
11	Geotextile/ Geosynthetics	Geotextiles and geotextile-related products- Determination of the characteristic opening size.	ISO 12956:2010	40-300µm
12	Geotextile/ Geosynthetics	Standard Test Method for Determining Apparent Opening Size of Geotextile.	ASTM D4751:2021	40-300µm
13	Geotextile/ Geosynthetics	Geotextiles and geotextile-related		



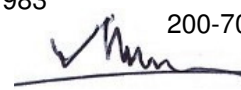
Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:	Bangladesh Material Testing Laboratory Ltd.		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	02 Jun 15
Certificate Number:	01.023.15	Issued on:	19 Jan 2022
Last Amended on:	12 Mar 22	Valid until:	01 Jun 24
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
14	Geosynthetics Geotextile/ Geosynthetics	products- Determination of the resistance to weathering Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc Type Apparatus	BS EN 12224:2000 ASTM D4355:2014	0-100% 0-100%
15	Geotextile/ Geosynthetics	Abrasion Resistance of geotextiles	BAW guideline	0-100%
16	Geotextile/ Geosynthetics	Abrasion Resistance of geotextiles	ISO 22182:2020	0-100%
17	Geotextile/ Geosynthetics	Tensile Test for Joints/Seam by wide width Method	BDS ISO 10321:2008	2-20000N
18	Geotextile/ Geosynthetics	Grab Breaking Load and Elongation of Geotextiles	ASTM D4632:2015	2-20000N
19	Geotextile/ Geosynthetics	Determination of Tensile Strength and Elongation	DIN EN 29073-3	2-20000N
20	Geotextile/ Geosynthetics	Index puncture resistance of geomembrane and related products	ASTM D4833:2007	2-20000N
21	Geotextile/ Geosynthetics	Standard Test Method for Trapezoid Tearing Strength of Geotextile	ASTM D4533-04: 2009	2-20000N
22	Geotextile/ Geosynthetics	Determination of Tensile Properties of Yarns	ASTM D2256:2021	2-20000N
23	Geotextile/ Geosynthetics	Standard Test Method for width of Textile Fabric	ASTM D3774-18:2018	1-100cm
24	Geotextile/ Geosynthetics	Standard Test Method for Bursting Strength of Textile	ASTM D3787-16:2020	2-20000N
25	Geotextile/ Geosynthetics	Determination of polymeric light stabilizer in polypropylene	W. Freitag Method-1983	200-700nm



Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:	Bangladesh Material Testing Laboratory Ltd.		
	Plot # 33 & 37 (1st Floor), Milk Vita Road, Section-7, Mirpur, Dhaka-1216, Bangladesh.		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	02 Jun 15
Certificate Number:	01.023.15	Issued on:	19 Jan 2022
Last Amended on:	12 Mar 22	Valid until:	01 Jun 24
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
26	Geotextile/ Geosynthetics	Mixture of Polypropylene fibers and certain other fibers (Method Using Xylene)	ISO 1833-16	0-100%
27	Geotextile/ Geosynthetics	Geotextiles and geotextile-related products - Screening test method for determining the resistance to acid and alkaline liquids (ISO/TR 12960:1998, modified)	BS EN 14030	0-100%
28	Geotextile/ Geosynthetics	Geotextiles and geotextile-related products- Screening test method for determining the resistance to hydrolysis in water	BS EN 12447	0-100%
29	Geotextile/ Geosynthetics	Screening test method for determining the resistance of geotextiles and geotextile related products to oxidation	ISO 13438	0-100%
30	Textile Fibers	Determination of breaking force and elongation at break of individual fibers	ISO 5079	1-500 cN
31	Aggregate	Sieve Analysis of Fine and Coarse Aggregates	ASTM C136	75 - 0.075 mm
32	Aggregate	Aggregate Crushing Value	BS 812-110	0-99%
33	Aggregate	Flakiness Index	BS 812-105.1	0-99%
34	Aggregate	Elongation Index	BS 812-105.2	0-99%
35	Aggregate	Los Angeles Abrasion Test of Coarse Aggregate	ASTM C131	0-100%
36	Aggregate	Los Angeles Abrasion Test of Ballast	ASTM C535	0-100%
37	Bitumen	Penetration of Bituminous Materials	ASTM D5	10 - 250



Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:	Bangladesh Material Testing Laboratory Ltd.		
	Plot # 33 & 37 (1st Floor), Milk Vita Road, Section-7, Mirpur, Dhaka-1216, Bangladesh.		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	02 Jun 15
Certificate Number:	01.023.15	Issued on:	19 Jan 2022
Last Amended on:	12 Mar 22	Valid until:	01 Jun 24
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
38	Bitumen	Flash and Fire Points of Bituminous Materials/ Petroleum Products by Cleveland Open Cup Tester	ASTM D92	50 - 350 °C
39	Bitumen	Solubility of Asphalt Materials in Trichloroethylene	ASTM D2042	1.00 - 99.90 %
40	Bitumen	Ductility of Asphalt Materials	ASTM D113	150 cm
41	Bitumen	Softening Point of Bitumen (Ring-and-Ball Apparatus)	ASTM D36	30 - 120 °C
42	Bitumen	Specific gravity of Bituminous Materials	ASTM D70	0.80 - 1.20
43	Cement	Compressive Strength of Hydraulic Cement (Mortars made with Ottawa sand)	ASTM C109	3.0 - 50.0 MPa
44	Cement	Specific gravity/ Density of Hydraulic Cement	ASTM C188	2.40 - 3.60
45	Cement	Fineness of Hydraulic Cement	ASTM C204	2000 - 4000 cm ² /g
46	Cement	Normal Consistency of Hydraulic Cement Paste	ASTM C187	20 - 40 %
47	Cement	Setting time of Hydraulic Cement Paste	ASTM C191	10 - 1000 mint.
48	Cement	Weight of cement bag	BMTL/SOP/CL/006	20 - 80 kg
49	Concrete	Compressive Strength of Concrete Cylindrical Specimen	ASTM C39	3.0 - 70 MPa
50	Bricks	Standard Test Method for Sampling and Testing Brick and Structural Clay Tile	ASTM C67	3.0-50.0 Mpa
51	Bricks	Specific Gravity of Bricks	ASTM C20	1.2 – 2.5 g/cm ³
52	Thermoplastic road marking	Hot-Applied thermoplastic road marking materials	BS 3262-1	0-100%



Quality Manager

SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address:	Bangladesh Material Testing Laboratory Ltd.		
Accreditation Standard:	ISO/IEC 17025:2017	Accreditation Date:	02 Jun 15
Certificate Number:	01.023.15	Issued on:	19 Jan 2022
Last Amended on:	12 Mar 22	Valid until:	01 Jun 24
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
	materials			
53	Thermoplastic road marking materials	Specification for Solid glass beads for use with road marking compounds and for other industrial uses	BS 6088	0.040-4.36 mm
54	Gypsum Board	Flexural Strength	ASTM C473	2-20000 N
55	Gypsum Board	Core, End & Edge Hardness	ASTM C473	2-20000 N
56	Gypsum Board	Nail Pull Resistance	ASTM C473	2-20000 N
57	Gypsum Board	Humidified Deflection	ASTM C473	0.01-10 mm
58	Gypsum Board	End Squareness	ASTM C473	0.01-100 mm
59	Gypsum Board	Thickness	ASTM C473	0.01-25 mm
60	Gypsum Board	Width	ASTM C473	0.01-10 ft
61	Gypsum Board	Length	ASTM C473	0.01-10 ft
62	Gypsum Board	Water Resistance of Gypsum Board	ASTM C473	0.01-25 mm



Quality Manager