



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

Certificate of Accreditation

This is to certify that

Bangladesh Material Testing Laboratory Ltd.

**House # 2A, Road # 02, Nikunja # 01
Khilkhet, Dhaka-1229, 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 Construction Materials Testing as described in the associated Scope of Accreditation.



Certificate Number : 01.023.15

Issued on : 07 October 2018

Accreditation Date : 02 June 2015

Valid until : 01 June 2021

Md. Monwarul Islam

Director General

Bangladesh Accreditation Board (BAB)

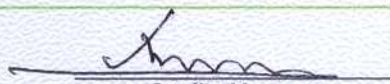
This certificate has been issued under the authority of Bangladesh Accreditation Act, 2006 and must be returned on request; reproduction must follow guidelines in place at date of issue. For the specific scopes to which this accreditation applies, please refer to the directory of accredited CABs at 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

**SCOPE OF ACCREDITATION**

(For Testing Laboratory)

| | | | |
|--------------------------------|--|----------------------------|--------------|
| CAB Name & Address: | Bangladesh Material Testing Laboratory Ltd. | | |
| | House: 2A, Road:02, Nikunja-1, Khilkhet, Dhaka-1229 | | |
| Accreditation Standard: | ISO/IEC 17025:2005 | Accreditation Date: | 02 June 2015 |
| Certificate Number: | 01.023.15 | Issued on: | 07 Oct 2018 |
| Last Amended on: | NA | Valid until: | 01 June 2021 |
| 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 |
|----------------------------------|--|---|---|---|
| Field: Mechanical Testing | | | | |
| 1 | Geotextile/Geosynthetics | Geotextiles-Determination of mass per unit area | ISO 9864:2008 | 10-2000 g/m ² |
| 2 | Geotextile/Geosynthetics | Geosynthetics-Determination of Thickness at specified Pressures | BDS ISO 9863-1:2008 | 0.1-10mm |
| 3 | Geotextile/Geosynthetics | Geosynthetics-Wide-width tensile test. | ISO 10319:2015 | 0.01-250 kN/m |
| 4 | Geotextile/Geosynthetics | Geosynthetics- Static Puncture Test (CBR Test) | BDS ISO 12236:2008 | 2-50000N |
| 5 | 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 |
| 6 | Geotextile/Geosynthetics | Geotextiles and geotextile-related products- Determination of the characteristic opening size. | ISO 12956:2010 | 40-300µm |
| 7 | Geotextile/Geosynthetics | Geotextiles and geotextile-related products- Determination of the resistance to weathering. | BS EN 12224:2000 | 0-100% |
| 8 | Geotextile/Geosynthetics | Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc Type Apparatus | ASTM D 4355:2014 | 0-100% |


Quality Manager



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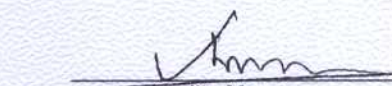
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| S.N. | Products/ Materials/ Items of test | Type of tests performed | Specifications/ Standard test methods/Techniques used | Range of testing/Limit of detection |
|------|--|---|---|---|
| 9 | Geotextile/Geosynthetics | Abrasion Resistance of geotextiles | BAW guideline | 0-100% |
| 10 | Geotextile/Geosynthetics | Tensile Test for Joints/Seam by wide width Method | BDS ISO 10321:2008 | 2-50000N |
| 11 | Geotextile/Geosynthetics | Grab Breaking Load and Elongation of Geotextiles | ASTM D 4632:2015 | 2-50000N |
| 12 | Geotextile/Geosynthetics | Determination of Tensile Strength and Elongation | DIN EN 29073-3 | 2-50000N |
| 13 | Geotextile/Geosynthetics | Index puncture resistance of geomembrane and related products | ASTM D 4833:2007 | 2-50000N |
| 14 | Geotextile/Geosynthetics | Determining Apparent Opening Size of a Geotextile | ASTM D 4751:2012 | 40-300µm |

Field: Chemical Testing

| | | | | |
|----|--------------------------|--|-------------------------|-----------|
| 01 | Geotextile/Geosynthetics | Determination of polymeric light stabilizer in polypropylene | BMTL/Analytical/SOP/001 | 200-700nm |
|----|--------------------------|--|-------------------------|-----------|

END


Quality Manager