



Bangladesh Accreditation Board (BAB)

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Certificate of Accreditation

This is to certify that

GMS TESTING LABORATORY

Complex of GMS, Building-05, 2nd & 3rd Floor
Shardaganj, Kashimpur, Gazipur, 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 Textile Testing as described in the associated Scope of Accreditation.



Certificate Number : 01.039.16

Issued on : 6 November 2016

Accreditation Date : 6 November 2016

Valid until : 5 November 2019

**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: GMS TESTING LABORATORY
Complex of GMS, Building-05, 2nd & 3rd Floor
Shardaganj, Kashimpur, Gazipur, Bangladesh

Accreditation Standard: ISO/IEC 17025:2005

Certificate Number: 01.039.16

Last Amended on:

Amendment no:

Accreditation Date: 06 Nov 2016

Issued on: 06 Nov 2016

Valid until: 05 Nov 2019

| 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 | | | | |
| 01 | Textile, Garment & Accessories | Dimensional Stability to Washing | ISO 6330:2012 BS EN ISO 6330:2012 ISO 5077:2007 BS EN ISO 5077:2008 ISO 3759:2011 BS EN ISO 3759:2011 | Elongation & Shrinkage Percentage (%) 0 to 30%(±) |
| 02 | Textile, Garment & Accessories | Pilling Resistance(ICI Pilling Box Method) | ISO 12945-1:2000 BS EN ISO 12945-1:2001 | Grade: 1 to 5 |
| 03 | Textile, Garment & Accessories | Pilling Resistance(Martindale Method) | ISO 12945-2:2000 BS EN ISO 12945-2:2000 | Grade: 1 to 5 |
| 04 | Textile, Garment & Accessories | Snagging Resistance | BS 8479:2008 | Grade: 1 to 5 |
| 05 | Textile, Garment & Accessories | Abrasion Resistance (Martindale Method) | BS EN ISO 12947-1:1999 BS EN ISO 12947-2:1999 BS EN ISO 12947-3:1999 BS EN ISO 12947-4:1999 | Up to required cycle Grade: 1 to 5 1 to 50% |
| 06 | Textile, Garment & Accessories | Bursting Strength (Pneumatic & Accessories) | BS EN ISO 13938-2:1999 | Up to 750 kPa |
| 07 | Textile, Garment & Accessories | Fabric Weight | ISO 3801:1977 BS EN 12127:1998 | 100 cm ² |
| 08 | Textile, Garment & Accessories | Fiber Composition | ISO 1833-1:2006 ISO 1833-2:2006 ISO 1833-5:2006 ISO 1833-11:2006 ISO 1833-20:2009 AATCC 20:2013 AATCC 20A:2014 REGULATION(EU) NO 1007/2011 | Up to 100% |
| Field: Chemical Testing | | | | |
| 09 | Textile, Garment & Accessories | Color Fastness to Washing | ISO 105 C06:2010 BS EN ISO 105 C06:2010 ISO 105 C08:2010 BS EN ISO 105 C08:2010 ISO 105 C10:2006 BS EN ISO 105 C10:2007 AATCC 61:2013 | Grade: 1 to 5 |
| 10 | Textile, Garment | Color Fastness to Rubbing/ | ISO 105X12:2016 | Grade: 1 to 5 |

Quality Manager

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Amendment no:

| S.N. | Products/ Materials/ Items of test & Accessories | Type of tests performed | Specifications/ Standard test methods/Techniques used | Range of testing/Limit of detection |
|------|---|--|---|---|
| | | Crocking | BS EN ISO 105X12:2016 AATCC 8:2013 | |
| 11 | Textile, Garment & Accessories | Color Fastness to Perspiration | ISO 105 E04:2013 BS EN ISO 105 E04:2013 AATCC 15:2013 | Grade: 1 to 5 |
| 12 | Textile, Garment & Accessories | Color Fastness to Water | ISO 105 E01:2013 BS EN ISO 105:E01:2013 AATCC 107:2013 | Grade: 1 to 5 |
| 13 | Textile, Garment & Accessories | Color fastness to Light | ISO 105 B02:2014 BS EN ISO 105 B02:2014 AATCC 16.3:2014 | Rating: 1 to 8 Rating: 1 to 5 |
| 14 | Textile, Garment & Accessories | Determination of free and Hydrolyzed Formaldehyde | ISO 14184-1:2011 BS EN ISO 14184-1:2011 ISO 14184-2:2011 BS EN ISO 14184-2:2011 | 15 mg/kg - 3500mg/kg |
| 15 | Textile, Garment & Accessories | PVC Identification | IN HOUSE TEST METHOD;NO:GMS LT/IHTM-PVC-001 BELISTEIN METHOD- (PRELIMINARY METHOD),FTIR METHOD BY SOLVENT EXTRACTION- CONFIRMATORY METHOD | Qualitative |
| 16 | Textile, Garment & Accessories | P ^H Value | ISO 3071:2005 BS EN ISO 3071:2006 AATCC 81:2012 | 1.0 to 14.0 |

END


Quality Manager