As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.

Valid from 15 January 2021
to 14 January 2024
Issued on 15 January 2021

ISO/ IEC 17025
TL 081-01

Schedule of Accreditation

Accreditation Scheme for Testing / Calibration Laboratories Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 081 -01

B Labs
Brandix Corporate Campus,
No:157, Galle Road,
Ratmalana

Scope of Accreditation: Performing Mechanical and Chemical Tests of Fabrics, Garments and Yarns

The Laboratory is accredited for the following tests appear on page 02 to 05;

Sl NO	Product(s) /Material of test	Specific tests performed	Test Method/Standard against which tests are performed	Range of testing/ Limits of detection
1	**Mechanical Testing**			
1.1	**Fabric/ Garment/ Yarn**	Mass Per Unit Area (Weight) of Fabric	ASTM D 3776-09a (2017) - Option C & D	Above 20 GSM
1.2		Determination of Mass per unit length & Mass Per Unit area	BS EN 12127: 1998 ISO 3801-1977	
1.3		Standard Test Method for Wale & Course Count of Welf Knitted Fabric	ASTM D 8007- 15	Up to 300 ends & picks/ inch
1.4		Standard Specification for Tolerances for Knitted Fabrics	ASTM D 3887-96(2008)	Up to 300 wales & courses /inch
1.5		Failure in sewn seams of woven apparel fabrics	ASTM D 1683-17 (re approved 2018)	10 N to 4.5 kN
1.6		Determination of max. Force to seam rupture using the grab method (seam strength)	ISO 13935-2 -2014	
1.7		Determination of slippage resistance of yarns at a seam in woven fabrics -Fixed seam opening method	ISO 13936-1- 2004	
1.8		Determination of slippage resistance of yarns at a seam in woven fabrics -Fixed load method	ISO 13936-2-2004	
1.9		Breaking strength and elongation of textile fabrics (grab test)	ASTM D5034-09 (2017)	
1.10		Determination of max. Force using strip method	ISO 13934- 1-2013	
1.11		Tensile properties of fabrics: part 2-determination of maximum force using the grab method	ISO 13934-2-2014	
1.12		Tearing strength of fabrics by falling pendulum (Elmendorf type) apparatus	ASTM D 1424-09 (2013)	4 to 64 N

SI NO	Product(s) /Material of test	Specific tests performed	Test Method/Standard against which tests are performed	Range of testing/ Limits of detection
1.13	**Fabric/ Garment/ Yarn**	Determination of tear force using ballistic pendulum method (Elmendorf)	ISO 13937-1-2000	4 to 64 N
1.14		Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure	ASTM D 2261-13 (2017)	10 N to 4.5 kN
1.15		Determination of Tear Force of Trouser-Shaped Test Specimens (Single Tear Method)	BSEN ISO 13937-2-2000 ISO 13937-2-2000	10 N to 4.5 kN
1.16		Pilling resistance and other related surface changes of textile fabrics. Random tumble pilling tester	ASTM D 3512-16	Grade : 1-5 / 0.5Grade
1.17		Determination of fabric propensity to surface fuzzing & to pilling-part 1: pilling box method	BS EN ISO 12945-1-2001 ISO 12945-1-2001	
1.18		Bursting properties of fabrics-Hydraulic Method	ISO 13938-1-1999	0.5 kPa to 6000 kPa
1.19		Stretch Properties of Knitted Fabrics Having Low Power	ASTM D2594-04(2016)	5 to 10 Lbs.
1.20		Stretch Properties of Fabrics Woven from Stretch Yarns	ASTM D3107-07(2015)	5 to 10 Lbs.
1.21		Determination of the Elasticity of Fabrics-Strip Test	BSEN 14704-1-2005	10 N to 4.5 kN Ext – 0-2000 mm

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2	**Chemical Testing**			
2.1	**Fabric/ Garment/ Yarn**	Colour Fastness to Laundering: Accelerated	AATCC 61-2013	Grade : 1-5 / 0.5 Grade
2.2		Colour Fastness to Domestic & Commercial Laundering	BS EN ISO 105 C06-2010 ISO 105 C06-2010	
2.3		Colour Fastness to Water	AATCC 107-2013	
2.4		Colour Fastness to Water	BS EN ISO 105 E01-2013 ISO 105 E01-2013	
2.5		Colour Fastness to Perspiration	AATCC 15-2013	
2.6		Colour Fastness to Perspiration	BS EN ISO 105 E04 -2013 ISO 105 E04-2013	
2.7		Colour Fastness to Crocking	AATCC 8-2016	
2.8		Colour Fastness to Crocking-Rotary Vertical Crock Meter Method	AATCC TM 116-2018e	
2.9		Colour Fastness to Rubbing	BS EN ISO 105 X 12 - 2016 ISO 105 X 12-2016	
2.10		Colour Fastness to Rubbing-Small Areas	ISO 105 X 16-2016	
2.11		Colour Fastness to Light	AATCC 16 -2014 (Option 3 only)	
2.12		Colour Fastness to Light of Textiles Wetted with Artificial Perspiration	ISO 105 B07-2009	
2.13		Colour Fastness to Artificial Light: Xenon arc fading lamp test	BS EN ISO 105 B02-2014	Blue Wool Standard 1-8
2.14		Colour fastness to Sea Water	AATCC 106-2013	Grade : 1-5 / 0.5Grade
2.15		Colour fastness to Sea Water	BS EN ISO 105-E02 ISO 105-E02-2013	
2.16		Colour Fastness: Assessment of the potential to Phenolic Yellowing of materials	ISO 105 X18-2007	

SI NO	Product(s) /Material of test	Specific tests performed	Test Method/Standard against which tests are performed	Range of testing/ Limits of detection
2.17	**Fabric/ Garment/ Yarn**	Colour Fastness to Chlorine Bleach (Spot Test)	AATCC/ASTM TS001	Grade: 1-5 / 0.5Grade
2.18		pH of the water-Extract from the Wet Processed Textiles	AATCC 81-2016	0 to 14
2.19		Determination of pH of aqueous extract	BS EN ISO 3071-2006 ISO 3071-2006	
2.20		Dimensional changes of fabrics after home laundering	AATCC 135 - 2015	-20% to +10% / 0.5 %
2.21		Determination of dimensional changes in washing and drying	BS EN ISO 6330 / ISO 6330-2012 BS EN ISO 5077 /ISO 5077-2008 BS EN ISO 3759 / ISO 3759-2011	Maximum Permissible
2.22		Dimensional Changes of Garments After Home Laundering	AATCC 150-2012	
2.23		Smoothness Appearance of Fabrics After Repeated Home Laundering	AATCC 124-2014	Grade : 1-5 / 0.5 Grade
2.24		Appearance of Apparel and Other Textile End Products After Repeated Home Laundering	AATCC 143-2014	
2.25		Skewness Change in Fabric after Home Laundering	AATCC 179-2017	Maximum Permissible
2.26		Spirality After Laundering-Woven & Knitted Fabrics	ISO 16322 – 2 -2005	
2.27		Spirality After Laundering-Woven & Knitted Garments	BS ISO 16322 – 3-2005 ISO 16322 – 3-2005	
2.28		Water Repellency (Spray Test)	AATCC-22-2017	0-100 Grade

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment