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

Valid from 15 January 2024
to 14 January 2028
Issued on 17July 2024

ISO/ IEC 17025
TL 081 - 01

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity

AssessmentAccreditation 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 as per the test methods appearing in this schedule

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

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.	**Mechanical Testing**			
1.1	**Fabric/ Garment/ Yarn**	Mass Per Unit Area (Weight) of Fabric	ASTM D 3776-2020 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	
		End (Warp) and Pick (Filling) Count of Woven Fabrics	ASTM D3775	Up to 150 ends & picks/ inch
1.3		Standard Test Method for Wale & Course Count of Welf Knitted Fabric	ASTM D 8007- 15 (2019)	Up to 150 ends & picks/ inch
1.5		Failure in sewn seams of woven apparel fabrics	ASTM D 1683-22	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 D5034-21	
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	

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	0 to 64 N
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 3512-22	Grade : 1-5 / 0.5 Grade
1.17		Determination of fabric propensity to surface fuzzing & to pilling-part 1: pilling box method	BS EN ISO 12945-1-2020 ISO 12945-1-2020	
1.18		Bursting properties of fabrics-Hydraulic Method	ISO 13938-1-1999	0.5 kPa to 6000 kPa
		Bursting Strength of Textile Fabrics-Diaphragm Bursting Strength Tester Method	D 3786/D 3786 M-18 (Re-approved 2023)	0.5 kPa to 6000 kPa
1.19		Stretch Properties of Knitted Fabrics Having Low Power	ASTM D2594-21	5 to 10 Lbs.
1.20		Stretch Properties of Fabrics Woven from Stretch Yarns	ASTM D3107-07(2019)	5 to 10 Lbs.
1.21		Bond Strength of Bonded, Fused and Laminated Apparel Fabrics	ASTM D 2724-19	5 to 10 Lbs.

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.	**Chemical Testing**			
2.1	**Fabric/ Garment/ Yarn**	Colour Fastness to Laundering: Accelerated	AATCC 61-2013e (2020)	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 107-2013e2	
2.4		Colour Fastness to Water	BS EN ISO 105 E01-2013 ISO 105 E01-2013	
2.5		Colour Fastness to Perspiration	AATCC 15-2021	
2.6		Colour Fastness to Perspiration	BS EN ISO 105 E04 -2013 ISO 105 E04-2013	
2.7		Colour Fastness to Crocking	AATCC 8-2016e	
2.8		Colour Fastness to Crocking-Rotary Vertical Crock Meter	AATCC 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 -2020 (Option 3 only)	
2.12		Colour Fastness to Artificial Light:Xenon arc fading lamp test	BS EN ISO 105 B02-2014	Blue Wool Standard 1-8
2.13		Test method for Colorfastness to Storage: Dye Transfer	AATCC TM 163-2013 (2020) e3	Grade : 1-5 / 0.5 Grade
2.14		Colour fastness to Sea Water	AATCC 106-2009e (2013) e3	Grade : 1-5 / 0.5 Grade
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 and Non-Chlorine Bleach	AATCC/ASTM TS001	Grade: 1-5 / 0.5Grade
2.18		pH of the water-Extract from the Wet Processed Textiles	AATCC 81-1996 e2 (2022) e	0 to 14
2.19		Determination of pH of aqueous extract	BS EN ISO 3071-2020 ISO 3071-2020	
2.20		Dimensional changes of fabrics after home laundering	AATCC 135 – 2018 t	-20% to +10% / 0.5 %
2.21		Determination of dimensional changes in washing and drying	BS EN ISO 6330 / ISO 6330-2021 BS EN ISO 5077 /ISO 5077-2007 BS EN ISO 3759 / ISO 3759-2011	Maximum Permissible
2.22		Dimensional Changes of Garments After Home Laundering	AATCC 150-2018 t	
2.23		Smoothness Appearance of Fabrics After Repeated Home Laundering	AATCC 124-2018 t	Grade : 1-5 / 0.5 Grade
2.24		Appearance of Apparel and Other Textile End Products After Repeated Home Laundering	AATCC 143-2018 t	
2.25		Skewness Change in Fabric after Home Laundering	AATCC 179-2019	Maximum Permissible
		Test method for Seam Twist in Garments Before and After Home Laundering	AATCC TM 2027-2019	
2.26		Spirality After Laundering- Woven & Knitted Fabrics	ISO 16322 – 2 -2021	
2.27		Spirality After Laundering- Woven & Knitted Garments	BS ISO 16322 – 3-2021 ISO 16322 – 3-2021	
2.28		Water Repellency (Spray Test)	AATCC-22-2017 e	0-100 Grade

Chairman

Sri Lanka Accreditation Board for Conformity Assessment