



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



ISO/IEC 17025  
TL 031-03

Valid from 10 April 2019  
to 09 April 2022  
Issued on 10 April 2019

## Schedule of Accreditation

Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 031-03

**Intertek Lanka (Pvt) Ltd**  
**“Intertek House”**  
**No. 282, Kaduwela Road**  
**Battaramulla**

**Scope of Accreditation:** Performing Chemical & Mechanical Testing on Textile and Textile accessories.

The laboratory is accredited for the tests given in following pages.

SI	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
<b>Chemical Testing</b>				
1.1	Textile & Textile accessories	Fibre Composition (Quantitative analysis)	ISO 1833-1 : 2006, GB/T2910-1:2009 ISO 1833-2 : 2006, GB/T 2910-2:2009 ISO 1833-4 : 2017, GB/T 2910-4:2009 ISO 1833-5 : 2006, GB/T 2910-5:2009 ISO 1833-7 : 2017, GB/T 2910-7:2009 ISO 1833-11 : 2017, GB/T 2910-11:2009 ISO 1833-12 : 2006, GB/T2910-12:2009 ISO 1833-18 : 2006, GB/T2910-18:2009 AATCC 20 A : 2017	0- 100%
1.2		Fibre Composition (Qualitative analysis)	AATCC 20 : 2013	Qualitative
1.3		pH of aqueous extract	AATCC 81: 2016 ISO 3071: 2005, GB/T7573:2009	1 -14

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1.4	Textile & Textile accessories	Formaldehyde Content (Free and Released Formaldehyde)	ISO 14184 Part 1: 2011 ISO 14184 Part 2: 2011 JIS L1041-2011 GBT- 2912.1-2009 AATCC 112:2014	16mg/kg to 3500 mg/kg
1.5	Textile & Textile Accessories/ Paints/ Jewellery	Total Lead in Non Metal (in Children products)	CPSC-CH-E-1002-08.2.2012	10 – 10000 mg/kg
1.6	Textile & Textile Accessories/ Paints/ Jewellery	Determination of Lead in Paint and other Similar Surface Coating	CPSC-CH-E1003-09.1:2011 ASTM E 1613: 2012 ASTM E 1645: 01 (2016) ASTM F 963 : 2017	10 – 10000 mg/kg
1.7	Textile & Textile Accessories/ Paints/ Jewellery	Determination of Total Lead in Children Metal products (Including children metal jewelry )	CPSC-CH-E 1001-08.3 :2012 EPA 3050B - 1996 EPA 3051A - 2007 EPA 3052- 1996	5 – 10000 mg/kg
1.8	Textile & Textile Accessories/ Paints/ Jewellery	DMFu	ISO/TS 16186 : 2012	0.1 – 10 mg/kg
1.9	Textile & Textile Accessories/ Paints/ Jewellery	Chromium VI	ISO 17075 :2017	0.5 – 100 mg/kg
1.10	Textile & Textile Accessories	Color Fastness to washing	ISO 105 C10:2006 ISO 105 C06:2010 (A 1S to D2S) AATCC 61:2013 GB/T-3921-2008	Grade:1-5
1.11		Color Fastness to Rubbing/ Crocking	ISO 105 x 12: 2016 AATCC 8: 2016 GB/T-3920-2008	Grade:1-5
1.12		Color Fastness to Perspiration	ISO 105 E04:2013 AATCC 15:2013 GB/T-3922-2013	Grade:1-5
1.13		Color Fastness to light	ISO 105 B02 :2014 AATCC 16 Opt 3: 2014 GB/T 8427-2008	Grade:1-8 Grade:1-5
1.14		Color Fastness to water	ISO 105 E01 :2013 AATCC 107:2013 GB/T 5713-2013	Grade:1-5
1.15		Color fastness to Sea Water	ISO 105 E02 :2013 AATCC 106:2013	Grade:1-5
1.16		Color fastness to Phenolic Yellowing	ISO 105 X18 :2007	Grade:1-5
1.17		Color fastness to Saliva	DIN 53160-1:2010 DIN 53160-2:2010 GB/T 18886-2002	Grade:1-5
1.18		Color fastness to Dry Cleaning	ISO 105 D01:2010 AATCC 132-2013 GB/T 5711-2015	Grade:1-5

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1.19	Textile & Textile Accessories/ Paints/ Jewellery	Determination of Chlorinated Phenol Pentachlorophenol (PCP) CAS no. 87-86-5, 2,3,4,5-Tetrachlorophenol (2,3,4,5-TeCP), CAS no.4901-51-3 2,3,4,6-Tetrachlorophenol (2,3,4,6-TeCP), CAS no. 58-90-2, 2,3,5,6-Tetrachlorophenol (2,3,5,6-TeCP), CAS no. 935-95-5, 2,3,6-Trichlorophenol (2,3,6-TCP), CAS no. 933-75-5, 2,4,6-Trichlorophenol (2,3,4-TCP), CAS no. 88-06-2, 2,3,5-Trichlorophenol (2,4,5-TCP), CAS no. 933-78-8, 3,4,5-Trichlorophenol (3,4,5-TCP), CAS no. 609-19-8, o-phenylphenol (OPP), CAS no. 90-43-7	SOP/CH/TM 002: 2014 based on LMBG 82 - 02 – 8:2007 ISO 17070: 2015	0.5 –100 mg/kg
1.20	Textile & Textile Accessories/ Paints/ Jewellery	Determination of certain azo colorants in leather O –Toluidine (95-53 - 4 ) 2, 4 Xylidine( 95 - 68 - 1 ) O Anisidine (90 -04 - 0 ) P- Chloroaniline (106 - 47 - 8 ) P - Kreidine ( 120 - 71 - 8 ) 2, 4, 5 Trimethylaniline (137 - 17 - 7 ) 4 Chloro Toluidine ( 95 - 69 -2 ) 2, 4 Tolyenediamine ( 95 - 80 - 7 ) 2, 4 Diaminoanisole (615 - 05 - 4 ) 2 Naphthalamine ( 91 - 59 - 8 ) 2 Aminonitro-4 Toluene ( 99 - 55 - 8 ) 4 Aminobiphenyl ( 92 - 67 - 1 ) P-Aminoazobenzene ( 60 - 09 – 03 ) 4, 4 Oxydianiline ( 101 - 80 - 4 ) Benzidine ( 92 - 87 – 5 ) 4, 4 Diaminodiphenylmethane ( 101 - 77 - 9 ) O Amino azotoluene ( 97 - 56 - 3 ) 4, 4 Diamino -3,3 Dimethyl diphenyl amine ( 838 - 88 - 0 ) 3, 3 Dimethyl Benzidine (119-93-7) 4, 4 Thiodianiline ( 139 - 65 - 1 ) 3, 3 Dichloro benzidine ( 91 - 94 - 1 ) 4, 4 Methylene -Bis-2 Chloraniline ( 101 - 14 - 4 ) 3, 3 Dimethoxy Benzidine (119-90-4) 2, 6 Xylidine ( 87 - 62 - 7 )	LFGB 82-02 – 2: 2004 LFGB 82-02 - 4 : 2004 LFGB 82-02 – 9: 2006 BS EN ISO 14362-1 :2017 (Annex E) BS EN ISO 14362-3 :2017 (Annex E) GB/T 17592 : 2011 GB/T 23344: 2009 ISO 17234-1 :2015 ISO 17234 -2 : 2011 LFGB 82.02.3 : 2004	2 – 300 mg/kg

1.21	Textile , Leather and its Accessories	Determination of Formaldehyde Content	ISO 17226 Part1,2-2008,Part 3: 2011 GB/T19941: 2005	5 -1000 mg/kg
1.22		Determination of selected Organotin compounds Monobutyltin (MBT) Dibutyltin (DBT) Tributyltin (TBT) Tetrabutyltin (TTBT) Monobutyltin (MOT) Diocetyl tin (DOT) Triphenyltin (TPhT) Tricyclohexyltin(TCyT)	SOP/CH/TM 010: 2014 based on ISO 17353-2004 BS EN 71 -3: 2013, A3 : 2018	0.05 – 20 mg/kg
1.23	Textiles , Leather, Plastic and Toy product	Determination of Phthalates (a)Phthalates in Toys and Childcare Articles (b) Phthalates in child care article as per EU Directives 2005/84/EC 1 Di-isononyl phthalate (DINP); CAS No. 28553-12-0 Di-(2-ethylhexyl)phthalate (DEHP); CAS No. 117-81-7 Di-n-octyl phthalate (DNOP); CAS No. 117-84-0 Di-iso-decyl phthalate (DIDP); CAS No. 26761-40-0 Butyl benzyl phthalate (BBP); CAS NO. 85-68-7 Di-butyl phthalate (DBP); CAS No. 84-72-2 Di-n-hexyl phthalates (DnHP) CAS No. 84-75-3 Tri-(2-chloroethyl) phosphate (TriCP) CAS No. 115-96-8 N-pentyl-isopentylphthalate (NPIPP) CAS No. 84777-06-0 Bis(2-methoxyethyl)phthalate (DMEP) CAS No. 117-82-8 Di-n-petyl phthalate (DnPP) CAS No. 131-18-0 Di-iso pentyl phthalate (DIPP) CAS No. 605-50-5 Di-iso Butyl phthalate (DIBP) CAS No. 84-69-5	CPSC-CH-C1001-09.4:2018 SOP /CH/TM03 : 2014 based on BSEN14372:2004 BSEN 15777: 2009 ISO/TS 16181: 2011 BSEN ISO 14389:2014	50 – 10000 mg/kg
1.24	Electro chemical product containing hazards chemicals, polymer & metal under ROHS regulation	Migration of Certain Elements Aluminum, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium(III), Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Tin, Zinc, Strontium, Chromium (VI), Organotin	BSEN 71 – 3 : 2013 A3: 2018 CPSC-CH-E1004 : 2011 ASTM F 963 : 2017 BS EN 16711-2: 2015	0.5 – 10000 mg/kg
1.25	Metal Jewelry used in textile and leather product as embellishments and plastic	Extractability of Cadmium	CPSC-CH-E1004 : 2011	2 –100000 mg/kg
1.26		Total Cadmium Content	EN 1122 : 2001	1 – 1000 mg/kg
1.27		Screening Test for Nickel Release	PDCR 12471 : 2002	Qualitative
1.28		Nickel Release	BS EN 12472+A1:2009	Quantitative

SI No	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed (eg: xxx: 2016)	Range of testing/ Limits of detection
<b>Mechanical Testing</b>				
2.1	Textile and Textile Accessories	Smoothness of seams in fabric after repeated home laundering	AATCC 88B: 2014	Grade:1-5
2.2		Retention of creases in fabric after repeated home laundering	AATCC 88C: 2014	Grade:1-5
2.3		Appearance of apparel and other textile products after repeated home laundering	AATCC 143: 2014	Grade:1-5
2.4		Skewness Change/ Spirality/ Torque	AATCC 179: 2017	-30% to 30%
2.5		Spirality after wash	BS ISO 16322-1:2005 BS ISO 16322-2:2005 (Technical Corrigendum 2007) BS ISO 16322-3:2005	0 to 50%
2.6		Dimensional stability to washing	BS EN ISO 6330:2012 AATCC 135:2015 AATCC 150:2012 ISO 5077:2007 ISO 3759:2011	-30% to 30%
2.7		Appearance of Fabric After Repeated Home Laundering	AATCC 124:2014	Grade:1-5
2.8		Tensile Strength Elongation -Strip Method -Grab Method	BS EN ISO 13934-1:2013  BS EN ISO 13934-2:2014 ASTM D 5034:09-2017	20N-1KN (4.4lbf-2247lbf) Elongation 1%-200%
2.9		Tear Strength-Elmendorf	ASTM D 1424-09(2013) BS EN ISO 13937-1:2017	1.6 N-102N (0.35lbf-22.2lbf)
2.10		Tear Strength -Single Rip -Single Tear Method	ASTM D 2261-2017	20N- 1KN (4.4lbf-2247lbf)
2.11		Bursting Strength - Hydraulic - Diaphragm Bursting	ASTM D 3786-2018 EN ISO 13938-2:1999	144 to 1034.0KPa 14 to 103.4 N/cm <sup>2</sup>
2.12		Seam Tensile properties of fabrics Sewn Seam Strength in woven fabric	ISO 13935-2:2014  ASTM D 1683-2018	20N- 1KN (4.4lbf-2247lbf)
2.13		Seam Slippage -seam method  -Fixed seam opening method -fixed load method	ASTM D 434:1995 ASTM D 1683-2018 EN ISO 13936-1:2004  EN ISO 13936-2:2004	20N- 1KN (4.4lbf-2247lbf)  0.01cm to 5.0cm
2.14		Warp end count and filling pick count of woven fabric	ASTM D 3775-2017	2-80 threads per cm (5-200 threads per Inch)
2.15		Fabric weight per Unit Area per running Yardage	ASTM D 3776M -09a 2017 BSEN 12127:1998	10 TO 1000 G/M <sup>2</sup>
2.16		Flammability of general Clothing Textiles	CPSC CFR 1610:2008	Class 1 to 3
2.17		Abrasion Resistance Martindale Abrasion  Flexing and Abrasion	BS EN ISO 12947-1-1998 BS EN ISO 12947-2-2016 ASTM D 4966-2016 ASTM D 3885-2015	10 TO 100000 Cycles  Grade 1-5 10 to 100000 Cycles

2.18	Textile and Textile Accessories	Pilling Resistance -Pilling Box Method -Martindale Tester	BS EN ISO 12945-1-2001 ASTM D 4970-2016	Grade 1-5
2.19		-Random Tumble Pilling -Elastomeric Pad -Modified Martindale	ASTM D 3512-2016 ASTM D 3514-2016 BS EN ISO 12945-2-2000	Grade 1-5
2.20		Width of textile fabric	ASTM D 3774:2018	1-200 cm
2.21		Stretch & Recovery Woven fabrics	ASTM D 3107:07(2015)	Stretch up to 100% Recovery up to 90% growth up to 20%
2.22		Stretch & Recovery Knitted fabrics	ASTM D 2594:04(2016)	Stretch up to 50% Recovery up to 90% growth up to 20%
2.23		Determination of Elasticity of Tailoring (Residual Elongation & Extension)	BS EN 14704-1:2005 Method A	Stretch up to 50% Recovery up to 90% growth up to 20%
2.24		Snagging Resistance	BS EN 8479:2008	Grade 1-5
2.25		Sharp Edge	CPSC 16 CFR 1500.49-2015 BSEN 71 Part 1:2014+A1:2018 Clause 4.7	Qualitative
2.26		Sharp Point	CPSC 16 CFR 1500.48-2015 BSEN 71 Part 1:2014 +A1:2018 Clause 4.8	Qualitative
2.27		Small parts (Chocking Hazard Test )	CPSC 16 CFR 1501-2015 BSEN 71 Part 1:2014 +A1:2018 Clause 8.2, Clause 8.4	Qualitative
2.28		Removal Force of attached components Strength test for Zippers	BS 7907-2007-Annex B ASTM D 2061-07(2013)	20N-1KN
2.29		Burning Behavior of Children Nightwear	EN 1103:2005 & ISO 6941:2003  (BS EN 14878:2007)	Not less than 1s
2.30		Flammability performance of fabrics and fabric assemblies used in sleepwear and dressing gowns	BS 5438:1976 / BS 5651:1978  (BS 5722:1984)	Not less than 1s
2.31	Flammability of Children's sleepwear	16 CFR Parts 1615 and 1616 and CPSC Laboratory Test Manual 2018	0.1 – 10 inches	

Director /CEO  
Sri Lanka Accreditation Board for Conformity Assessment