

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 26/05/08</b> <b>Rev. No: 05</b> <b>LAB 031</b>
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## Testing Laboratory

Accreditation Scope of Lucky Textile Laboratory Services, Karachi

Permanent laboratory premises

Materials/Products tested	Types of test/ Properties measured	Range of measurement	Minimum detection limit	Uncertainty of Measurement (where applicable) MU ( $\pm$ )	Standard specification/ Techniques/ equipment used
<b>Textile</b>	Determination of Color Fastness to washing	1 to 5 (Grey Scale Rating)	0.5	0.5	ISO 105 CO3-6:1990 AATCC 61: 2007 ISO 105 DO1: 1990 AATCC 132: 2004
	Determination of Colour Fastness to Perspiration	1 to 5	0.5	0.5	BS EN ISO 105 EO4: 1996 AATCC 107: 2007
	Determination of Colour Fastness to Water	1 to 5	0.5	0.5	BS EN ISO 105 EO1: 1996 AATCC 107:2007
	Determination of Colour Fastness to Rubbing	1 to 5	0.5	0.5	BS EN ISO 105 X12:2002
	Determination of Colour Fastness to Crocking	1 to 5	0.5	0.5	AATCC 8:2007
	Determination of Colour fastness to Light	1 to 5	0.5	0.5	BS EN ISO 105 BO2: 1999 AATCC 16: 2004
	Determination of Colour Fastness to Chlorine Bleaching	1 to 5	0.5	0.5	BS EN ISO 105 NO1: 1995 AATCC 188: 2008
	Determination of Colour Fastness to Non-Chlorine Bleaching	1 to 5	0.5	0.5	BS EN ISO 105 NO2: 1995 AATCC 172:2007
	Determination of Pilling	1 to 5	0.5	0.5	ISO 12945-2:2000(E) ASTMD 4970:07 ASTMD 3512:07

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<b>Materials/P roducts tested</b>	<b>Types of test/ Properties measured</b>	<b>Range of measurement</b>	<b>Minimum detection limit</b>	<b>Uncertainty of Measureme nt (where applicable) MU (±)</b>	<b>Standard specification/ Techniques/ equipment used</b>
<b>Textile</b>	Determination of Abrasion Thread Breakdown	5000 to 20000 cycles	50	30	BS EN ISO 12947- 2:1999 ASTM D 4966 :08 Option 1
	Determination of Appearance Change	1 to 5 (Grey Scale Rating)	0.5	0.5	BS EN ISO 12974- 4:1998 ASTMD 4966:08 Option 2 (Re-approved 2007)
	Determination of Tensile Strengths Strip Method	70 to 1700 N	65	5.0	BS EN ISO 13934-1:1999 ASTM D 5035:06
	Grab Method	70 to 1700 N	65	5.0	BS EN ISO 13934- 2:1999 ASTM D 5034: 08
	Determination of Tear Strength	6 to 20 N	3	1.0	ASTM D 1424: 07a ISO 13937-1: 2000 ISO 13937-3: 2000 ASTM 2261: 07a
	Determination of Air Permeability	1.0 to 6.6 mm/sec	0.5 mm/sec	0.4	ISO 9237: 1995 (E) ASTM D 737: 04 (Re-approved 2008)
	Determination of Core pH	4.0 to 9.0	1.0	0.5	AATCC 81:2006 ISO 3701: 2005(E)
	Determination of Number of Threads in fabrics	10 - 450	05	1.0	ISO 7211/21984(E) ASTM 3775:08
<b>Textile</b>	Determination of Mass per Unit Area	50 – 500g	0.1	0.5	ASTM D 3776: 07 ISO 3801: 1977(E)
	Determination of width of fabric	2 - 350 Inch	0.1	0.1	ASTM D 3774: 1996 (Reap proved 2004) ISO 3932: 1976 (E)
	Determination of Fibre composition	5 – 100%	1.0	0.5	ISO 1833: 2006(E) AATCC20: 2007 AATCC 20A: 2008

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<b>Materials/P roducts tested</b>	<b>Types of test/ Properties measured</b>	<b>Range of measurement</b>	<b>Minimum detection limit</b>	<b>Uncertainty of Measureme nt (where applicable) MU (±)</b>	<b>Standard specification/ Techniques/ equipment used</b>
	Determination of Appearance after repeated Home Laundering	3D smoothness appearance Scale 1-5	0.5	0.5	AATCC 124:2006 ISO 7768: 2006(E)
	Determination of Formaldehyde Content	>20 ppm	20 ppm	± 1.5 ppm	BS EN ISO 14184- 1:1999

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