

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>ITS Testing Services (UK) Limited (Leigh)</h3> <p>Issue No: 035 Issue date: 10 February 2012</p>	
	<p>The Warehouse Brewery Lane Leigh Lancashire WN7 2RJ</p>	<p>Contact: Mr A J White Tel: +44 (0)1942 265700 Fax: +44 (0)1942 670788 E-Mail: andrew.white@intertek.com Website: www.intertek.com</p>
Testing performed at the above address only		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
YARNS/FABRIC	<p><u>Chemical</u></p> <p>Quantitative analysis of fibre mixtures</p> <p>Formaldehyde (free)</p> <p>Formaldehyde (released)</p> <p>Japanese formaldehyde</p>	<p>ISO 1833:2010 Methods 2, 3, 5-11, 15, 17</p> <p>EU Directives 73/44/EEC (Annexes I, II & III) and 96/73/EC (Annexes I and II) as amended by 2006/2/EC (Annex)</p> <p>EXCLUDING METHODS 9, 12, & 14</p> <p>Arcadia AG43 - Dec 2010 M&S P100 - Sep 2001 AATCC 20/20a- 2005 ASTM D629:99, excluding Method 1 (withdrawn)</p> <p>BS EN ISO 14184-1:2011 BS EN ISO 14184-1:1999 (withdrawn) M&S C18B - February 2002 Arcadia AG45 December 2010</p> <p>BS EN ISO 14184-2:2011 BS EN ISO 14184-2:1998 (withdrawn) M&S C18C - May 2003 Arcadia AG46 December 2010</p> <p>JISL 1041:1994</p>



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FABRICS/ACCESSORIES/ METALLIC PRODUCTS	<u>Chemical</u> pH determination	BS EN ISO 3071:2006 EN 1413:1998 (withdrawn) M&S C59 0 April 2001 Arcadia AG71 December 2010
TOYS	Tension test Flammability Wear and corrosion for coated items Determination of nickel release	BS EN 71-1:2011, Clause 8.4.2.1 BS EN 71-2:2011 BS EN 12472:2005 BS EN 1811:2011
TOYS, TOYS MATERIALS, & PACKAGING for TEXTILES, POLYMERICS & PLASTICS, PAPER & BOARD, SURFACE COATINGS(PAINTS), & METALLICS	Extractable Arsenic, Antimony, Barium, Cadmium, Chromium, Mercury, Lead, & Selenium	EN 71-3:1995, + Amd 1:2001 & Corr 1:2006, using ICP(OES)
TEXTILES/YARNS/FABRICS	<u>Colour fastness by eye or digital imaging to:</u> Artificial light - Xenon arc Light - Textiles wetted by artificial perspiration Washing Domestic and commercial laundering	BS EN ISO 105-B02:1999 inc corr 1 & 2 and AMD 1:2003 BS EN ISO 105-B02:1994 (withdrawn) BS 1006:B02:1985 (withdrawn) M&S C9 - October 2004, M&S C9A - May 2007 Arcadia AG5 - December 2010 BS EN ISO 105-B07:2009 BS EN 20105-C01 - C05:1993 (withdrawn) BS 1006:1990 (withdrawn) Arcadia AG1 - December 2010 BS EN ISO 105-C06:2010 BS EN ISO 105- C08:2010 BS EN ISO 105-C09:2003 BS 1006:1990 (withdrawn)



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TEXTILES/YARNS/FABRIC (cont'd)	<u>Colour fastness by eye or digital imaging to</u> (cont'd) Washing Dry cleaning Water Sea water Chlorinated water Perspiration Bleaching: Hypochlorite Shampooing Organic solvent rub Migration into PVC coatings	AATCC 61:2003 (withdrawn) Tests 1A & 2A only BS EN ISO 105-D01: 2010 BS 1006:1990 (withdrawn) M&S C 5 - October 2004 Arcadia AG6 - December 2010 AATCC 132:2004 BS EN ISO 105-E01:2010 BS 1006:1990 (withdrawn) M&S C6 - October 2004 Arcadia AG2 - December 2010 AATCC 107:2002 BS EN ISO 105-E02:1996 BS 1006:1990 (withdrawn) Arcadia AG8 - December 2010 AATCC 106:2002 BS EN ISO 105-E03:2010 BS 1006:1990 (withdrawn) M&S C12A - February 2008 M&S C37 February 2008 Arcadia AG7 - December 2010 BS EN ISO 105-E04:1996 (withdrawn) BS EN ISO 105 E04:2009 BS 1006:1990 (withdrawn) M&S C7 October 2004 Arcadia AG4 - December 2010 BS EN ISO 105-N01:1995 BS 1006:1990 (withdrawn) BS EN ISO 105-D02:1996 BS 1006:1990 (withdrawn) BS EN ISO 105-X10:1996



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TEXTILES/YARNS/FABRICS (cont'd)	<u>Colour fastness by eye or digital imaging to:</u> (cont'd)	
	Rubbing	BS EN ISO 105-X12:2002 M&S C8 - April 2004 Arcadia AG3 - December 2010 AATCC 8:2001 (withdrawn)
	Sensitivity to peroxy compounds	UK-TE:1990
	Perborate	M&S C10 - June 2006
	Oxidative bleach	M&S C10A - June 2007
	Hydrolysis of reactive dyes	M&S C11 - August 2007
	Hot pressing	M&S C13 - October 2004 BS EN ISO 105 X11:1996
	Pleating	M&S C14 - February 2002
	Print durability	M&S C15 - August 2007 Arcadia AG10 - December 2010 Arcadia AG11 - December 2010
	Elusive/reversible yellowing (Courtaulds method)	M&S C20B - September 2007
	Phenolic Yellowing	BS EN ISO 105-X18:2007
	Burnt Gas Fumes	BS EN ISO 105-G02:1997 + Corr:2009
TEXTILES	<u>Chemical resistance</u>	
	Oil repellency rating	M&S C50 - February 2002 BS EN ISO 14419:2010
	<u>Solvent Extraction</u>	
	Extractable Matter	BS 8459:2005
	<u>Physical</u>	
	Elasticity of fabrics - strip tests	BS EN 14704-1:2005



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FABRICS	<u>Physical</u> Weft knitted stitch length and yarn density Weight Width Threads/unit length Stitches/unit area Ends and picks Breaking strength and elongation Attachments: Bra wire casing Plastic rings and sliders Accessories Poppers Buttons Residual extension Extensions and modulus	BS EN 14970:2006 BS EN 12127:1998 ASTM D3776:1996 (withdrawn) M&S P65 - September 2004 Arcadia AG65 - December 2010 BS 1930:1990 (withdrawn) BS EN 1773:1997 BS 2862:1984:1984 (withdrawn) BS EN 1049:Part 2:1994 BS EN 14971:2006 ASTM D3775:2007 BS 2576:1986 (withdrawn) BS EN ISO 13934-1 and -2:1999 ASTM D-5034:1995 ASTM D-5035:2006, except performed at non-standard environmental conditions ISO 5081:1977 Arcadia AG37 - December 2010 M&S P11 - September 2001 M&S P11A - April 2006 M&S P11B - June 2006 M&S P115 - December 2007 M&S P115A - December 2007 M&S P122 - September 2001 BS 4952:1992 (withdrawn) Arcadia AG 29 - December 2010 Arcadia AG 31 - December 2010 Arcadia AG 30 - December 2010 M&S P14 - February 2004 M&S P14A - February 2004 M&S P14B - September 2001 M&S P14C - September 2001 M&S P15, Part 1 - February 2004 M&S P15A - September 2003



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FABRICS (cont'd)	<u>Physical</u> (cont'd)	
	Durability wash	M&S P5 - June 2007
	Durability wash (Wascator)	M&S P5A - August 2007
	Appearance after wash	BS EN ISO 15487:2010 M&S P134, 134A - June 2007 Arcadia AG22 - December 2010 Arcadia AG23 - December 2010 AATCC 124:2001 (withdrawn) AATCC 143:2001 (withdrawn)
	Spirality	ISO 16322:Parts 1 & 2:2005
	Wrinkle recovery	Arcadia AG50 - December 2010
	Ironability	M&S P91 - April 2006
	Peel bond strength	M&S P13 - February 2004
	Specification for fabrics for linings in uniform clothing	BS 4560:1990 (Appendix B only)
	Elmendorf Tear strength Tongue Tear	BS EN ISO 13937-1:2000 M&S P29 - August 2007 Arcadia AG40 - December 2010 ASTM D1424:1983 (withdrawn) ASTM D2261.1996 (withdrawn)
	Seam slippage	BS 3320:1988 (withdrawn) BS EN ISO 13936-1:2004 BS EN ISO 13936-3:2007
	Seam strength	BS EN ISO 13935:1 and 2:1999 ASTM D434:95 (withdrawn)
	Fabric slippage	M&S P12 - June 2006 M&S, P12A - August 2007 Arcadia AG36 December 2010
	Garment seam slippage	M&S P12B - August 2007 Arcadia AG38 - December 2010 Arcadia AG39 - December 2010
	Removal of attachments on clothing	BS 7907:2007 Annex B



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FABRICS (cont'd)	<u>Physical</u> (cont'd) Hydrostatic head Dimensional change in washing and drying Stability to wash Wascator stability Spirality Abrasion resistance Abrasion resistance - socks Resistance to pilling Pill Box Modified Martindale Swiss pilling Random tumble pilling Dimensional change induced by free steam	BS EN 20811:1992 Arcadia AG53 - December 2010 BS EN 25077:1994 (withdrawn) BS EN ISO 5077:2008 AATCC 135:2004 M&S P1A - September 2004 M&S P1B - Jan 2007 Arcadia AG20 - Dec 2010 BS 5690:1991 (withdrawn) BS EN ISO 12947:1, 2 and 3:1999 BS EN 530:1995 M&S P19 - Jun 2005, M&S, P19B - March 2008 M&S, P19C - June 2004 Arcadia AG32 - December 2010 ASTM D4966:1998 (withdrawn) BS EN ISO 13770:2002 Arcadia AG33 - December 2010 BS 5811:1986 (withdrawn) BS EN ISO 12945-1:2001 M&S P18A - February 2008 M&S P18B - September 2004 BS EN ISO 12945-2:2001 M&S P17 - April 2006 Arcadia AG26 - Dec 2010 ASTM D4970:2002 (withdrawn) SN 198525:1990 ASTM D3512:2002 (withdrawn) BS 4323:1979 M&S P8 - Feb 2008



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FABRICS (cont'd)	<u>Physical</u> (cont'd) Resistance to tearing (wing-rip) Accelerator pile loss Random tumble snagging Mace snagging test Snag Pod Spray rating Water vapour permeability Domestic washing stability Air permeability Dry cleaning and finishing Construction	BS 4303:1968 (withdrawn) BS EN ISO 13937-3:2000 AATCC: 1994 M&S P26 - June 2006 Arcadia AG28 - Dec 2010 M&S P21A - September 2004 ASTM D3939:1997 (withdrawn) BS Handbook 11 Arcadia A941 - December 2010 BS 8479:2008 Arcadia A942 - December 2010 BS EN 24920:1992 M&S P23 - February 2004 Arcadia AG54 - December 2010 AATCC 22:1996 (withdrawn) BS 7209:1990 BS 3424:Part 34:1992 Arcadia PA 19d BS EN 26330:1994 (withdrawn) Arcadia AG18 - December 2010 BS EN ISO 6330:2001 M&S P1C - September 2004 BS EN ISO 9237:1995 Arcadia AG56 - December 2010 BS EN ISO 3175:Parts 1 and 2:2010 M&S P66 - June 2007 M&S,P67 - June 2007 ASTM D3887:1996



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FABRICS (cont'd)	<u>Flammability</u> (cont'd)	
for protection against heat and flame		BS EN 531:1995, cl 6.2 (withdrawn) BS EN 532:1995(withdrawn) BS EN 533:1997(withdrawn) BS EN ISO 15025:2002 BS EN 469:2005 Section 6:1
for bedcovers and pillows		BS 7175:1989
for blankets		BS 5866:Part 1:1990 BS 5866:Part 2-4:1991
for camping tents		BS 6341:1983(1988)
for clothing/carpets & rugs	Flame spread	16 CFR Parts 1610, 1630 & 1631 ASTM D1230:2001 Californian Technical Bulletin 117: Section E:March 2000 CAN_CGSB-4.2 No 27.5-2008
	Surface flash	IHTM 005, Iss 3, 15 June 2005
for clothing	Cleaning prior to flammability testing	**#BS 5651:1978 BS 5651:1989 BS EN ISO 10528:1995 **For the purpose of the Furniture and Furnishings (Fire) (Safety) Regulations, SI 1324, 1988 #For the purposes of the Nightwear (Safety) Regulations, SI 2043, 1985
Interior materials for automotive use	Flammability	FMVSS 302:July 2003
HIGH VISIBILITY WARNING CLOTHING FOR PROFESSIONAL and NON PROFESSIONAL USE	Test methods and requirements	BS EN 471:2003 + A1:2007 EN 1150:1999
	Colour measurement	CIE No 15.2:1986



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TEXTILES/FLOOR COVERINGS (INCLUDING CARPETS)	Hot nut test	BS 4790:1987(2003)
	Methenamine tablet	BS 6307:1982 ISO 6925:1982 BS 6341:1983
SPORTS MATS	Flammability	BS 7188 1998:A2:2009 CI 7 BS 1892-3:2003
INDUSTRIAL TEXTILES	Ignitability	BS EN 1624:1999 BS EN 1625:1999
FURNITURE, FURNISHINGS and Bedding	Ignitability	**BS 5852:Part 1:1979 BS 5852:Part 2:1982 BS 5852:2006 BS EN 1021-1:2006 BS EN 1021-2:2006 BS EN ISO 12952 :1999 Pts 1,4 (withdrawn) BS EN ISO 12952-1 2010 BS EN ISO 12952-2 2010 BS EN 14533:2003 BS 7176:2007
FURNITURE and FURNISHINGS	Ignitability	**For the purpose of the Furniture and Furnishings (Fire) (Safety) Regulations, SI 1324, 1988 ISO 8191-1:1987 ISO 8191-2:1988 IMO A.688 (17) IMO A.652 (16) BS 6807:1996 BS 6807:2006 BS 7177:2008 HM Prison Service Fire Test Specification 15 BS EN 597-1:1995 BS EN 597-2:1995
MARQUEES	Flammability	BS 7837:1996
PILE FABRICS	Surface Flash (ignitability)	BS 4569:1983 M&S P117:May 2003



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SLIDE FASTENERS (ZIPS)	Mechanical tests Puller attachment Closed end test Top stop test Open end fastener box test Reciprocating test Lateral strength test Lateral strength of open end attachment Slider locking test	BS 3084:2006, Test 1 Test 2 Test 3 Test 4 Test 5 Test 6 Test 7 Test 8
OVEN GLOVES	Thermal properties Construction properties	BS 6526:1998
TEXTILES	Solar UV protective properties	BS EN 13758-1:2002 BS EN 13758-2:2003 AS/NZ 4399:1995 AATCC 183-04 BS 7914:1998 (withdrawn)
CONTINENTAL QUILTS	Specification for quilts containing fillings other than feather and/or down Determination of thermal resistance for quilts filled with feather and/or down (Tog testing)	BS 5335-1:1991 BS 5335-2:2006
PLASTICS	Cadmium in plastics	BS 1122:2001, Method B using AA spectrophotometry
JEWELLERY	Screening test (Nickel swab) for Nickel	PD CR 12471:2005
CHILDREN'S JEWELLERY	Available and Total Lead by AA	IHM Analytical 5:2007 using AA spectrophotometry
TEXTILES/FOOTWEAR/LEATHER	Test method for resistance to Penetration by Liquids (aka Gutter Test)	BS EN 368:1993 BS EN ISO 6530 (2005)
	END	