



CTC Asia Limited

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Scope of Accreditation
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ACCREDITED TEST : Textiles and Garments 紡織品及成衣
CATEGORY
認可測試類別

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Rooms 1801-02, 1808 and 2010, Tower B, Regent Centre, 63 Wo Yi Hop Road, Kwai Chung, New Territories, Hong Kong
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Textiles and Garments 紡織品及成衣		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
General Textiles and Garments :- - General textiles and garments 一般紡織品及成衣 - General textiles and garments 一般紡織品及成衣	Chemical analysis :- - Formaldehyde (vapour absorption method) - pH value pH 值 Colour Fastness tests :- - Migration into polyvinyl chloride coatings - Perspiration 耐汗漬色牢度 - Phenolic yellowing	BS EN ISO 14184-2: 2011 EN ISO 14184-2: 2011 ISO 14184-2: 2011 AATCC 112-08 JIS L 1041: 1983 Cl. 5.3.2 JIS L 1096: 1999 Cl. 8.39 BS EN 1413: 1998 EN 1413: 1998 BS EN ISO 3071: 2006 EN ISO 3071: 2006 ISO 3071: 2005 GB/T 7573-2002 BS EN ISO 105-X10: 1996 EN ISO 105-X10: 1995 ISO 105-X10: 1993 BS EN ISO 105-E04: 2013 EN ISO 105-E04: 2013 ISO 105-E04: 2013 AATCC Test Method 15-2002 BS 1006: 1990 UK-TG with Amd. 1, 2, 3, 4 & 5 CAN/CGSB-4.2 No. 23-M90: 2004 JIS L 0848: 2004 GB/T 3922-1995 GB 18401-2003 Cl. 6.4 using test method GB/T 3922-1995 BS EN ISO 105-X18: 2007 EN ISO 105-X18: 2007 ISO 105-X18: 2007



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General Textiles and Garments :- (cont'd) - General textiles and garments 一般紡織品及成衣	- Rubbing/crocking 磨擦堅牢度 Colour fastness tests :- (cont'd) - Seawater 耐海水色牢度 - Water 耐水色牢度	AATCC Test Method 8-2001 ISO 105-X12: 2001 < <i>Excluding the following</i> > Test to pile fabrics AS 2001.4.3-1995 CAN/CGSB-4.2 No. 22: 2004 JIS L 0849: 2004 Type I test GB/T 3920-1997 GB 18401-2003 Cl. 6.5 using test method GB/T 3920-1997 BS EN ISO 105-E02: 1996 with Corr. 1 EN ISO 105-E02: 1996 ISO 105-E02: 1994 AATCC Test Method 106-2002 AS 2001.4.E02-2001 BS 1006: 1990 UK-TI with Amd. 1, 2, 3, 4 & 5 CAN/CGSB-4.2 No. 21-M90: 2004 JIS L 0847: 2004 GB/T 5714-1997 BS EN ISO 105-E01: 2010 EN ISO 105-E01: 2010 ISO 105-E01: 2010 AATCC Test Method 107-2002 AS 2001.4.E01-2001 CAN/CGSB-4.2 No. 20-M89: 2004 JIS L 0846: 2004 GB/T 5713-1997

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General Textiles and Garments :- - General textiles and garments	Performance tests :- - Abrasion resistance a) Martindale tester b) Taber tester - Pilling resistance (Martindale tester) Strength tests :- - Tear strength (dynamometer) - Tearing strength (single tear method) - Tearing strength (double tear method) - Tearing strength (wing test) - Tearing strength (wing-rip method)	ASTM D4966-98 (Reapproved 2007)e1 BS EN ISO 12947-2 to 4: 1999 EN ISO 12947-2 to 4: 1998 ISO 12947-2 to 4: 1998 < <i>Excluding the following</i> > For the above three standards Annex A.1 JIS L 1096: 1999 Cl. 8.17.5 AS 2001.2.25-1990 BS 5690: 1991 ASTM D3884-01 (Reapproved 2007) ASTM D3389-05 JIS L 1096-1999 Cl. 8.17.3 method C JIS L 1018-1990 Cl. 6.18.3 method C BS EN ISO 12945-2: 2000 EN ISO 12945-2: 2000 ISO 12945-2: 2000 NF G 07-146: 1981 In-house CTC Method AP008-a BS EN ISO 13937-2: 2000 EN ISO 13937-2: 2000 ISO 13937-2: 2000 ASTM D2261-07 JIS L 1096-1999 Section 8.15.1 & 8.15.2 BS EN ISO 13937-4: 2000 EN ISO 13937-4: 2000 ISO 13937-4: 2000 EN ISO 13937-3: 2000 BS 4303: 1968

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Other Materials :- - Leather	Chemical analysis :- - Chromium (VI) - Formaldehyde - pH value	BS EN ISO 17075: 2007 EN ISO 17075: 2007 ISO 17075: 2007 BS EN ISO 17075-1: 2017 EN ISO 17075-1: 2017 ISO 17075-1: 2017 IULTCS/IUC 18-1: 2017 BS EN ISO 17226-2: 2008 EN ISO 17226-2: 2008 ISO 17226-2: 2008 IULTCS/IUC 19-2: 2008 BS EN ISO 4045: 2008 EN ISO 4045: 2008 ISO 4045: 2008 IULTCS/IUC 11: 2008

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Other Materials :- - Leather	Colour fastness tests :- - Crocking - Migration into plasticized poly(vinyl chloride) - To-and-fro rubbing	ASTM D5053-03 (Reapproved 2009) ISO 20433: 2005 IULTCS/IUF 452: 2005 BS EN ISO 15701: 1999 EN ISO 15701: 1999 ISO 15701: 1998 IULTCS/IUF 442: 1998 BS 1006: 1990 UK-LG with Amd. 1, 2, 3, 4 & 5 ISO 11640: 1993 IULTCS/IUF 450: 1993 < <i>Excluding the following</i> > for the above two standards Cl. 6.3 Wet leather test
- Leather	Construction tests :- - Apparent density - Thickness	ASTM D2346-00 (Reapproved 2008) BS EN ISO 2420: 2002 EN ISO 2420: 2002 ISO 2420: 2002 IULTCS/IUP 5: 2002 ISO 2589: 2002 IULTCS/IUP 4: 2002 ASTM D1813-00 (Reapproved 2005)

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Other Materials :- (cont'd) - Leather	Performance tests :- - Flexibility and adhesion of finish - Water resistance - Water vapour absorption - Water vapour permeability	ASTM D6182-00 (Reapproved 2005) NF EN ISO 5404: 2003 EN ISO 5404: 2011 ISO 5404: 2011 BS EN ISO 17229: 2002 EN ISO 17229: 2002 ISO 17229: 2002 IULTCS/IUP 42: 2002 EN ISO 14268: 2002 NF EN ISO 14268: 2003 ISO 14268: 2002
- Leather	Strength tests :- - Tearing resistance a) single edge tear b) double edge tear - Tearing strength (tongue tear) - Tensile strength - Tensile strength and elongation	ISO 3377-1: 2011 IULTCS/IUP 40-1: 2011 NF G 52-004: 1976 In-house CTC Method AP009-a ISO 3377-2: 2016 IUTCS/IUP 8: 2016 NF G 52-014: 1976 In-house CTC Method AP014-a ASTM D4704-00 (Reapproved 2005) ASTM D2209-00 (Reapproved 2010) ISO 3376: 2011 IULTCS/IUP 6: 2011 In-house CTC Method AP007-a

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Other Materials :- (cont'd)		
- Leather	Strength tests :- (cont'd) - Stitch tear resistance	BS EN ISO 23910: 2007 EN ISO 23910: 2007 ISO 23910: 2007 IULTCS/IUP 44: 2007
- Polymeric materials used in footwear and luggage	Chemical analysis :- - Chromium, Bromine, Cadmium, Mercury, and Lead	ASTM F2617-15
- Rubber- or plastic-coated fabrics used in footwear	Strength tests :- - Tear strength - Tensile strength and elongation at break	EN ISO 4674-1: 2003 (Methods A & B) ISO 4674-1: 2003 (Methods A & B) NF EN ISO 4674-1: 2004 (Methods A & B) BS EN ISO 1421: 1998 EN ISO 1421: 1998 ISO 1421: 1998
- Rubber used in footwear	Construction Tests :- - Density	BS ISO 2781: 2008 + A1: 2010 ISO 2781: 2008 + A1: 2010
- Rubber used in footwear	Performance tests :- - Durometer Hardness	ASTM D2240-05 (Reapproved 2010) Type A BS EN ISO 868: 2003 with Corr. 1 Type A EN ISO 868: 2003 with Corr. 1 Type A ISO 868: 2003 with Corr. 1 Type A
- Rubber used in footwear	Strength tests :- - Tear strength	BS ISO 34-1: 2010 ISO 34-1: 2010
- Rubber, vulcanized or thermoplastic used in footwear	Performance tests :- - Abrasion resistance	ISO 4649: 2010 (Method A)

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Specific Products :- - Children's clothing - Footwear - Footwear - Footwear - Footwear	Construction tests :- - Measurement cords and drawstrings Chemical analysis :- - Nickel spot test Colour fastness tests :- - Colour migration - Rubbing Construction tests :- - Labeling - Size Performance tests :- - Abrasion resistance (Martindale) - Abrasion resistance of outsole	BS EN 14682: 2007 EN 14682: 2007 ASTM F1816-97 (Reapproved 2004) CR 12471: 2002 <Excluding the following> 5.3.6 (field test) BS EN 13517: 2002 EN 13517: 2001 ISO 17701: 2003 EN 13516: 2001 + AC: 2003 (Method A) NF EN 13516: 2002 (Method A) NF G 62-005: 1983 NF EN ISO 17700: 2005 (Method A) EN ISO 17700: 2005 (Method A) ISO 17700: 2004 (Method A) In-house CTC Method AP002-a French Decree 96-477 (30 May 1996) In-house CTC Method AP023-a BS EN 13520: 2002 EN 13520: 2002 + A1: 2004 ISO 17704: 2004 In-house CTC Method AP021-a EN 12770: 1999 NF EN 12770: 2000 ISO 20871: 2001 In-house CTC Method AP001-a

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Specific Products :- (cont'd) - Footwear	Performance tests :- (cont'd) - Abrasion resistance of shoe laces and eyelets - Corrosion resistance of metallic accessories - Dynamic water resistance of shoe upper leather (Maeser) - Flex resistance of outsole - Flex resistance of uppers and lining - Heel / Football studs impact - Salt spray corrosion	EN ISO 22774: 2004 (Methods 1 & 3) NF EN ISO 22774: 2005 (Methods 1 & 3) ISO 22774: 2004 (Methods 1 & 3) DIN 4843: 1985 Section 6.15 In-house CTC Method AP010-a In-house CTC Method AP011-a BS EN ISO 22775: 2004 (Method 2) EN ISO 22775: 2004 (Method 2) ISO 22775: 2004 (Method 2) ASTM D2099-05 In-house CTC Method AP013-a EN 13512: 2001 NF EN 13512: 2002 ISO 17694: 2003 <i><Excluding the following></i> for the above three standards Cold test NF G 62-010: 1982 ISO 5402-1: 2011 IULTCS/IUP 20-1: 2011 <i><Excluding the following></i> for the above two standards Wet flex testing In-house CTC Method AP012-a In-house CTC Method AP015-b ASTM B117-09

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Specific Products :- (cont'd) - Footwear	Performance tests :- (cont'd) - Water absorption and desorption - Water resistance of flexible leather (Maeser) - Water vapour permeability and water vapour absorption Strength tests :- - Heel attachment - Strength of buckle fastening assemblies - Tear strength - Tear strength of outsoles - Tensile strength and elongation	BS EN 12746: 2000 EN 12746: 2000 + A1: 2005 ISO 22649: 2003 NF G 62-002: 1985 NF G 62-003: 1982 EN ISO 5403-2: 2011 BS EN 13515: 2002 EN 13515: 2001 ISO 17699: 2003 ASTM F2232-09 EN 12785: 2000 NF EN 12785: 2000 ISO 22650: 2002 BS 5131-5.11: 1981 EN 13571: 2001 ISO 17696: 2004 In-house CTC Method AP017-a BS EN 12771: 2000 EN 12771: 1999 ISO 20872: 2001 EN 13522: 2001 ISO 17706: 2003 In-house CTC Method AP018-a

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Specific Products :- (cont'd) - Footwear - Luggage made of textile and/or leather materials - Medical gloves for single use	Performance tests :- (cont'd) - Touch and close fasteners peel strength - Touch and close fasteners shear strength - Upper sole adhesion / upper sole bond strength Performance tests :- - Determination of internal volume - Watertightness test for detection of holes	EN ISO 22777: 2004 ISO 22777: 2004 In-house CTC Method AP005-a EN ISO 22776: 2004 ISO 22776: 2004 In-house CTC Method AP004-a ISO 17708: 2003 NF G 62-014: 1984 In-house CTC Method AP003-a BS 5131-5.4: 1978 with Amd. 1 In-house CTC Method AP022-a NF EN 455-1: 2001 BS EN 455-1: 2000 EN 455-1: 2000 < <i>Excluding the following</i> > for the above three standards Cl. 6 Sampling, inspection level and AQL

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Specific Products :- (cont'd) - Protective clothing	Performance tests :- (cont'd) - Puncture resistance - Chemicals resistance - Determination of resistance to cutting by sharp objects Flammability tests :- - Contact heat - Convective heat	BS EN 863: 1996 EN 863: 1995 ISO 13996: 1999 ASTM F1342-05 BS EN ISO 6529: 2001 with Corr. 1 & 2 Method A EN ISO 6529: 2001 Method A ISO 6529: 2001 Method A BS EN ISO 13997: 1999 EN ISO 13997: 1999 ISO 13997: 1999 <i><Excluding of the following></i> for the above three standards Cl. 5.1 ANSI/NES 105-2011 Cl. 5.1.1 and Appendix A using test method of ASTM F1790-05 <i><Excluding of the following></i> Cl. 8.1 and Cl. 8.2 BS EN 702: 1995 EN 702: 1994 ISO 12127-1: 2007 BS EN 367: 1992 + A1: 1993 EN 367: 1992 ISO 9151: 1995 BS EN 531: 1995 + A1: 1999 Cl. 6.3 EN 531: 1995 + A1: 1999 Cl. 6.3 BS EN ISO 11612: 2008 Cl. 7.2 EN ISO 11612: 2008 Cl. 7.2 ISO 11612: 2008 Cl. 7.2
- Protective clothing	- Protective clothing	- Protective clothing

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Specific Products :- (cont'd) - Protective clothing - Protective clothing for firefighters - Protective clothing for use in welding and allied processes - Protective gloves	Flammability tests :- (cont'd) - Burning behaviour - Convective heat - Burning behaviour - Burning behaviour Chemical analysis :- - pH - Chromium (VI)	BS EN ISO 15025: 2002 EN ISO 15025: 2002 ISO 15025: 2002 BS EN ISO 11612: 2008 Cl. 6.3 EN ISO 11612: 2008 Cl. 6.3 ISO 11612: 2008 Cl. 6.3 BS EN ISO 14116: 2008 Cl. 6.1 EN ISO 14116: 2008 Cl. 6.1 ISO 14116: 2008 Cl. 6.1 BS EN 13911: 2004 Cl. 6.1.3 EN 13911: 2004 Cl. 6.1.3 BS EN 469: 2005 Cl. 6.2 EN 469: 2005 + A1: 2006 Cl. 6.2 BS EN 469: 2005 Cl. 6.1 EN 469: 2005 + A1: 2007 Cl. 6.1 BS EN 15614: 2007 Cl. 6.2 EN 15614: 2007 Cl. 6.2 BS EN 13911: 2004 Cl. 6.1.2 EN 13911: 2004 Cl. 6.1.2 BS EN ISO 11611: 2007 Cl. 6.7 EN ISO 11611: 2007 Cl. 6.7 ISO 11611: 2007 Cl. 6.7 BS EN 420: 2003 + A1: 2009 Cl. 4.3.2 EN 420: 2003 + A1: 2009 Cl. 4.3.2 BS EN 420: 2003 + A1: 2009 Cl. 4.3.3 EN 420: 2003 + A1: 2009 Cl. 4.3.3

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Specific Products :- (cont'd) - Protective gloves	Performance tests :- - Chemicals resistance - General requirements (sizing, dexterity, water vapour transmission and water vapour absorption) - Mechanical risks - Determination of resistance to penetration Flammability tests :- - Contact heat - Convective heat - Burning behaviour Strength tests :- - Abrasion resistance - Tear resistance	BS EN 16523-1: 2015 EN 16523-1: 2015 BS EN 420: 2003 + A1: 2009 Cl. 6.1, 6.2, 6.3 and 6.4 DIN EN 420: 2010 Cl. 6.1, 6.2, 6.3 and 6.4 EN 420: 2003 + A1: 2009 Cl. 6.1, 6.2, 6.3 and 6.4 NF EN 420: 2010 Cl. 6.1, 6.2, 6.3 and 6.4 SS-EN 420: 2010 Cl. 6.1, 6.2, 6.3 and 6.4 BS EN 388: 2016 EN 388: 2016 < <i>Excluding the following</i> > for the above two standards Cl. 4.2, 6.6 EN 374-2: 2014 ASTM D5151-06 BS EN 407: 2004 Cl. 6.4 EN 407: 2004 Cl. 6.4 BS EN 407: 2004 Cl. 6.5 EN 407: 2004 Cl. 6.5 BS EN 407: 2004 Cl. 6.3 EN 407: 2004 Cl. 6.3 NF EN 407: 2004 Cl. 6.1 BS EN 407: 2004 Cl. 6.1 EN 407: 2004 Cl. 6.1 NF EN 407: 2004 Cl. 6.2 BS EN 407: 2004 Cl. 6.2 EN 407: 2004 Cl. 6.2
- Protective gloves		
- Protective gloves		

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Specific Products :- (cont'd)		
- Protective gloves for firefighters	Construction tests :- - Sizes	BS EN 659: 2003 + A1: 2008 Cl. 3.2 EN 659: 2003 + A1: 2008 Cl. 3.2
- Protective gloves for firefighters	Performance tests :- - Dexterity	BS EN 659: 2003 + A1: 2008 Cl. 3.13 EN 659: 2003 + A1: 2008 Cl. 3.13 ISO 15383: 2001 Cl. 6.5.1
	- Whole glove integrity test	BS EN 659: 2003 + A1: 2008 Cl. 3.17 EN 659: 2003 + A1: 2008 Cl. 3.17 ISO 15383: 2001 Annex A
- Protective gloves for firefighters	Flammability tests :- - Contact heat	BS EN 659: 2003 + A1: 2008 Cl. 3.10 EN 659: 2003 + A1: 2008 Cl. 3.10
	- Convective heat	BS EN 659: 2003 + A1: 2008 Cl. 3.8 EN 659: 2003 + A1: 2008 Cl. 3.8
	- Burning behaviour	BS EN 659: 2003 + A1: 2008 Cl. 3.7 EN 659: 2003 + A1: 2008 Cl. 3.7
- Protective gloves for firefighters	Strength tests :- - Abrasion resistance	BS EN 659: 2003 + A1: 2008 Cl. 3.3 EN 659: 2003 + A1: 2008 Cl. 3.3
	- Tear resistance	BS EN 659: 2003 + A1: 2008 Cl. 3.5 EN 659: 2003 + A1: 2008 Cl. 3.5 ISO 15383: 2001 Cl. 6.3.3
	- Cut resistance	BS EN 659: 2003 + A1: 2008 Cl. 3.4 EN 659: 2003 + A1: 2008 Cl. 3.4
	- Puncture resistance	BS EN 659: 2003 + A1: 2008 Cl. 3.6 EN 659: 2003 + A1: 2008 Cl. 3.6 ISO 15383: 2001 Cl. 6.3.4

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Specific Products :- (cont'd)		
- Protective gloves for welders	Performance tests :- - Sizes	BS EN 12477:2001 Cl. 3.2 EN 12477:2001 + A1: 2005 Cl. 3.2
	- Dexterity	BS EN 12477:2001 Cl. 5.9 EN 12477:2001 + A1: 2005 Cl. 5.9
- Protective gloves for welders	Flammability tests :- - Contact heat	BS EN 12477: 2001 Cl. 5.6 EN 12477: 2001 + A1: 2005 Cl. 5.6
	- Convective heat	BS EN 12477: 2001 Cl. 5.7 EN 12477: 2001 + A1: 2005 Cl. 5.7
	- Burning behaviour	BS EN 12477: 2001 Cl. 5.5 EN 12477: 2001 + A1: 2005 Cl. 5.5
- Protective gloves for welders	Strength tests :- - Abrasion resistance	BS EN 12477:2001 Cl. 5.1 EN 12477:2001 + A1: 2005 Cl. 5.1
	- Tear resistance	BS EN 12477:2001 Cl. 5.3 EN 12477:2001 + A1: 2005 Cl. 5.3
	- Cut resistance	BS EN 12477:2001 Cl. 5.2 EN 12477:2001 + A1: 2005 Cl. 5.2
	- Puncture resistance	BS EN 12477:2001 Cl. 5.4 EN 12477:2001 + A1: 2005 Cl. 5.4