

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>23671</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>SATRA Technology Services (Dongguan) Limited</h3> <p>Issue No: 001 Issue date: 01 February 2022</p>	
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<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOTWEAR	<u>Physical Testing</u>	
	Peel strength of adhesive bonds	SATRA TM401:2000
	Dynamic water penetration test	SATRA TM230:2017
	Resistance to water penetration - Maeser test	SATRA TM 34: 2019
	Determination of impact Resistance and compression resistance and Determination of the dimensional conformity of inserts and the penetration resistance of the sole	EN ISO 20344:2011 Clause 5.4 and, 5.5, 5.8
	Determination of penetration	EN ISO 20344: 2011 Clause 7.2
	Determination of slip resistance	EN ISO 20344: 2011 Clause 5.11 (ISO 13287)
		SATRA TM144:2011
	Determination of upper/outsole and sole interlayer bond strength	EN ISO 20344: 2011 Clause 5.2
	Determination of internal toe cap length	EN ISO 20344: 2011 Clause 5.3
Determination of water penetration test	EN ISO 20344: 2011 Clause 5.15.2	
Determination of flexing resistance of outsole	EN ISO 20344:2011 Clause 8.4	



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FOOTWEAR (cont'd)	<u>Physical Testing (cont'd)</u>	
	Determination of upper thickness	EN ISO 20344:2011 Clause 6.1 ISO 23529:2010 Clause 7.1 (withdrawn) ISO 23529:2016
	Measurement of the height of the upper	EN ISO 20344:2011 Clause 6.2
	Determination of tear strength of upper, lining or tongue	EN ISO 20344: 2011 Clause 6.3 ISO 3377-2:2016 ISO 4674-1:2003 Method B (withdrawn) ISO 4764-1:2016 Method B
	Determination of water vapour permeability	EN ISO 20344: 2011 Clause 6.6 SATRA TM 172: 1993
	Determination of water vapour absorption	EN ISO 20344: 2011 Clause 6.7 SATRA TM 178: 2001
	Determination of water vapour coefficient	EN ISO 20344: 2011 Clause 6.8
	Determination of the abrasion resistance of lining and insock	EN ISO 20344: 2011 Clause 6.12
	Determination of water penetration and water absorption for upper	EN ISO 20344: 2011 Clause 6.13
	Resistance to water penetration – Penetrometer test	SATRA TM171:2017
Determination of resistance of upper to cutting	EN ISO 20344: 2011 Clause 6.14	
Determination of outsole abrasion resistance	EN ISO 20344: 2011 Clause 8.3 ISO 4649:2010 (withdrawn) ISO 4649:2017	



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FOOTWEAR (cont'd)	<u>Physical Testing (cont'd)</u> Density of materials by volume displacement Determination of insulation against heat Determination of insulation against cold	SATRA TM134: 1998 (2010) EN ISO 20344:2011 Clause 5.12 EN ISO 20344:2011 Clause 5.13
GLOVES	<u>Physical Testing</u> Abrasion resistance, blade cut resistance, tear resistance, impact cut, puncture resistance, dimensions and dexterity Determination of hand and glove measurement and dimensions and Determination of gloved finger dexterity Determination of resistance to penetration	EN 388:2016 +A1 2018 EN ISO 13997:1999 EN 13594:2016 Clause 6.9 EN 420:2003+A1:2009 Clauses 6.1 and 6.2 EN ISO 21420:2020 Clause 5.1 EN ISO 21420:2020 Clause 5.2 EN 374-2:2019
FOOT AND LEG PROTECTORS	<u>Physical Testing</u> Determination of impact resistance and compression resistance	EN 12568:2010 (withdrawn) Clauses 5.2.2 & 5.2.3
PLASTICS AND RUBBER	<u>Physical Testing</u> Abrasion resistance – rotating drum method Resistance to crack initiation and growth - belt flex method	SATRA TM174:2016 SATRA TM133:2017



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TEXTILES AND LEATHER	<u>Physical Testing</u> Colourfastness to Crocking Colourfastness to Water & Perspiration Colourfastness to Rubbing Lastometer ball burst test Tear Strength (Bauman method) Breaking Strength and extension at break Vamp flex test - resistance to creasing and cracking Trousers leg tear	SATRA TM167:2017 SATRA TM335:2018 SATRA TM8: 2004 SATRA TM24:2017 SATRA TM162:2017 SATRA TM29:2017 SATRA TM25:2020 SATRA TM30:2017
END		