

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0803 Accredited to ISO/IEC 17025:2005	SATRA Technology Centre	
	Issue No: 005 Issue date: 20 May 2010	
	Wyndham Way Telford Way Industrial Estate Kettering NN16 8SD	Contact: Mr P Westley Tel: +44 (0)1536 410000 Fax: +44 (0)1536 410626 E-Mail: info@satra.co.uk Website: www.satra.co.uk
Calibration performed by the Organisations at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Wyndham Way Telford Way Industrial Estate Kettering NN16 8SD	Local contact Mr P Westley	Footwear Testing Machines P

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Any customer premises	Mr P Westley	Footwear Testing Machines S



0803
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

SATRA Technology Centre
Issue No: 005 Issue date: 20 May 2010

Calibration performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
FOOTWEAR TESTING MACHINES			NOTE	
Martindale abrasion machines (As SATRA TM31:2003)			1 All calibrations must be carried out in accordance with procedures agreed by UKAS.	P & S
Linear	0 mm to 130 mm	0.20 mm		
Mass	0 g to 2 500 g	2.0 g		
Speed (rotational)	Time for 64 revolutions	0.60 s		
DIN abrasion machines (As SATRA TM174:1994)				P & S
Angle	0 ° to 3 °	0.20 °		
Force	0 N to 10 N	0.050 N		
Linear	0 mm to 25 mm 25 mm to 150 mm 150 mm to 600 mm	0.020 mm 0.060 mm 0.40 mm		
Speed (rotational)	At 70 rpm	0.45 rpm		
Belt flexing machines (As SATRA TM133:1993)				P & S
Linear	0 rpm to 120 mm 120 mm to 225 mm	0.050 mm 0.30 mm		
Speed (rotational)	For 90 revolutions	0.90 rpm		
Upper material flexing machines (As SATRA TM25:1992)				P & S
Angle	At 40 °	0.25 °		
Linear	0 mm to 30 mm	0.050 mm		
Speed (rotational)	At 90 rpm At 300 rpm	1.0 rpm 3.0 rpm		
Sole adhesion tester (As SATRA TM404:1992)				P & S
Force	0 N to 900 N	0.70 %		
Linear	0 mm to 75 mm	0.040 mm		
Angle	At 45 °	0.25 °		



0803
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

SATRA Technology Centre
Issue No: 005 Issue date: 20 May 2010

Calibration performed by the Organisation at the locations specified

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
FOOTWEAR TESTING MACHINES (cont'd)				
Dead weight Thickness gauge for leather and soling materials (As SATRA TM1 and TM 136)				
Pressure	10 kPa to 60 kPa	1.7 kPa		P & S
Linear (displacement)	0 mm to 10mm	0.006 0 mm + resolution of instrument		
Linear (diameter)	10 mm	0.017 mm		
Linear (parallelism)	For the above	0.012 mm		
Indentometer				P
Dimensional Force	50 mm to 100 mm 1 kgf to 100 kgf	0.76 mm 58 grams force		
Durometer				P
Gauge linearity	10 units to 100 units	0.46 Units	The verification shall be in accordance with the requirements of ASTM D 2240:2005 and ISO 188898:2006	
Spring force	10 units to 100 units	1.6 grams force		
Dimensional	0 mm to 20 mm	0.017 mm		
Indenter Angle	At 35 °	0.096 °		
Indenter dimensions	0 mm to 3.0 mm	0.003 0 mm		
Tensile tester machines				P & S
Force Verification and calibration of the force measuring system by force proving instruments in tension and compression	10 N to 30 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2004	0.22 %	The uncertainties stated do not take into account the characteristics of the machine being calibrated.	
Displacement:				
Linear	0 mm to 500 mm	0.50 mm		
Speed	0 mm to 500 mm per minute	0.70 s		
END				