


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS CALIBRATION</p> <p>0610</p> <p>Accredited to ISO/IEC 17025:2005</p>	<p>James H Heal & Co Ltd</p> <p>Issue No: 020 Issue date: 31 May 2009</p>	
	<p>Richmond Works Lake View Halifax West Yorkshire HX3 6EP</p>	<p>Contact: Mr S Lister Tel: +44 (0)1422 366355 Fax: +44 (0)1422 352440 E-Mail: stephen.lister@james-heal.co.uk Website: www.james-heal.co.uk</p>
<p>Calibration performed by the Organisations at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Richmond Works Lake View Halifax West Yorkshire HX3 6EP</p> <p>Local contact Mr S Lister</p>	<p>Force Textile</p>	<p>P</p>

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Any</p> <p>Mr S Lister</p>	<p>Force Textile</p>	<p>S</p>



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DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
TEXTILE TESTING MACHINES			NOTE	P & S
Martindale abrasion machines			1 All calibrations must be carried out in accordance with procedures agreed by UKAS.	
Mass	Up to 3 Kg	0.26 g		
Linear	Up to 60 mm	0.2 mm		
Speed	At 20 to 99 rpm	0.1 rpm		
Tumble Dryers				
Temperature	From 30 to 80 °C	0.5 °C		
Timer	Up to 10 minutes	0.5 sec		
Linear	From 550 mm to 1000 mm	2 mm		
Speed	Up to 100 rpm	0.05 rpm		
Reference Washing Machines (including Wascator)				
Temperature	From 25 to 90 °C	0.5 °C		
Linear	Up to 200 mm	1 mm		
Timer	Up to 2 minutes	0.5 sec		
Mass	Up to 20 kg	120 g		
Gyrowash and Washwheels				
Linear	Up to 220 mm	0.2 mm		
Temperature	From 30 up to 95 °C	0.5 °C		
Timer	At 5 minutes	0.5 sec		
Speed	At 40 rpm	0.25 rpm		
Capacity	At 550 ml At 1200 ml	8 ml 16 ml		
Pilling Testers (random)				
Linear	Up to 160 mm	0.2 mm		
Speed	At 1200 rpm	0.4 rpm		
Time	Up to 300 seconds	0.5 sec		



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Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
TEXTILE TESTING MACHINES (cont'd)				P & S
Pilling Testers (Box & Drum)				
Linear	Up to 320 mm	0.85 mm		
Speed	From 30 to 60 rpm	0.1 rpm		
Sample cutters				
Diameter of cut sample	Up to 150 mm	0.3 mm		
Burst Strength Testers				
Linear	Up to 120 mm	0.05 mm		
Time	Up to 60 seconds	0.5 secs		
Pressure	Up to 1500 kPa	2 kPa		
Vertical Frame Textile Flammability Testers				
Linear	Up to 700 mm	0.18 mm		
Angle	Up to 90 °	1 °		
Time	Up to 30 seconds	0.5 sec		
Crockmeters				
Force	Up to 10 N	0.5 g (0.005 n)		
Linear	Up to 110 mm	0.2 mm (stroke length) 0.05 mm (peg diameter)		
Speed	Up to 60 cycles per minute (cpm)	0.17 cpm		
Perspirometer				
Mass	Up to 5.1 Kg	0.35 g		



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Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
UNIVERSAL TESTING MACHINES Verification and calibration of the force measuring system by force proving instruments in Tension and compression Verification and calibration of the force measuring system by calibrated masses in Tension and compression Tautex crimp testing machines Mass (check weight supplied with machine) Linear Load (indication in mass)	From 10 N up to 5 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2004 From 1 N up to 600 N for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2004 Up to 250 g Up to 1500 mm Up to 250 g	0.22% See Note 2 0.1% 0.26 g 0.5 mm 0.7 g	NOTES 2 The uncertainties stated do not take into account the characteristics of the machine being calibrated/verified.	P & S
END				