


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, 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: 030 Issue date: 5 April 2017</p>	
	<p>Richmond Works Lake View Halifax West Yorkshire HX3 6EP</p>	<p>Contact: Mr Alan Deans Tel: +44 (0)1422 366355 Fax: +44 (0)1422 352440 E-Mail: alan.deans@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 Alan Deans</p>	<p>Force Textile</p>	<p>P</p>

Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Customers' sites or premises Mr Alan Deans</p> <p>The customer's sites or premises must be suitable for the nature of the particular calibrations undertaken and will be subject of contract review arrangements between the laboratory and the customer</p>	<p>Force Textile</p>	<p>S</p>



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DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
TEXTILE TESTING MACHINES				P & S
Martindale abrasion machines				
Mass	100 g to 3000 g	0.28 g		
Linear	0.5 mm to 150 mm	0.20 mm		
Speed	20 rpm to 99 rpm	0.10 rpm		
Tumble Dryers				
Temperature	10 °C to 80 °C	0.90 °C		
Timer	1 s to 600 s	0.50 s		
Linear	550 mm to 1000 mm	2.0 mm		
Speed	40 rpm to 100 rpm	0.10 rpm		
Reference Washing Machines (including Wascator)				
Temperature	25 °C to 90 °C	0.90 °C		
Linear	50 mm to 200 mm	1.0 mm		
Timer	1 s to 120 s	0.50 s		
Mass	1 kg to 20 kg	0.12 kg		
Speed	At 52 rpm and 500 rpm	0.10 rpm		
Gyrowash and Washwheels				
Linear	50 mm to 220 mm	0.50 mm		
Temperature	10 °C to 95 °C	0.90 °C		
Timer (specific value)	1 to 300 s	0.50 s		
Speed (specific value)	38 rpm to 42 rpm	0.25 rpm		
Capacity	500 ml to 600 ml 1100 ml to 1300 ml	8.0 ml 16 ml		
Pilling Testers (random)				
Linear	5 mm to 160 mm	0.20 mm		
Speed (specific value)	1200 rpm	0.50 rpm		
Time	1 s to 300 s	0.50 s		



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k=2$)	Remarks	Location Code
TEXTILE TESTING MACHINES (cont'd)				P & S
Pilling Testers (Box & Drum)				
Linear	5 mm to 320 mm	0.85 mm		
Speed	30 rpm to 60 rpm	0.10 rpm		
Sample cutters				
Diameter of cut sample	20 mm to 150 mm	0.30 mm		
Burst Strength Testers				
Linear	0 mm to 120 mm	0.050 mm		
Time	1 s to 60 s	0.50 s		
Pressure	0 kPa to 1500 kPa	2.0 kPa		
Vertical Frame Textile Flammability Testers				
Linear	1 mm to 700 mm	0.18 mm		
Angle	0° to 90°	0.60 °		
Time	1 s to 90 s	0.50 s		
Crockmeters				
Force	1 N to 11 N	0.033 N		
Linear	5 mm to 110 mm (stroke) 5 mm to 20 mm (peg diameter)	0.20 mm 0.050 mm		
Speed	10 cpm to 60 cpm	0.17 cpm		
Perspirometer				
Mass	100 g to 5100 g	0.35 g		



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UNIVERSAL TESTING MACHINES				P & S
Verification and calibration of the force measuring system by force proving instruments in Tension and compression	10 N to 10 kN for Class 0.5, 1, 2 and 3 machines to BS EN ISO 7500-1:2015	0.22 %		
Tautex crimp testing machines				
Mass (check weight supplied with machine)	5 g to 250 g	0.28 g		
Linear	5 mm to 1500 mm	0.50 mm		
Load (indication in mass)	5 g to 250 g	0.70 g		
END				