


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p style="text-align: center;"><b>0610</b></p> <p style="text-align: center;">Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3 style="margin: 0;">James H Heal &amp; Co Ltd</h3> <p style="margin: 0;">Issue No: 019    Issue date: 30 January 2008</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: <a href="mailto:stephen.lister@james-heal.co.uk">stephen.lister@james-heal.co.uk</a> Website: <a href="http://www.james-heal.co.uk">www.james-heal.co.uk</a></p>
<p><b>Calibration performed by the Organisations at the locations specified below</b></p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><b>Address</b></td> <td style="width: 50%;"><b>Local contact</b></td> </tr> <tr> <td>Richmond Works Lake View Halifax West Yorkshire HX3 6EP</td> <td>Mr S Lister</td> </tr> </table>	<b>Address</b>	<b>Local contact</b>	Richmond Works Lake View Halifax West Yorkshire HX3 6EP	Mr S Lister	Force Textile	P
<b>Address</b>	<b>Local contact</b>					
Richmond Works Lake View Halifax West Yorkshire HX3 6EP	Mr S Lister					

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
Any	Force Textile	S



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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		
Seam slippage testers				
Force	60 to 220 N	0.3 N		
Linear	Up to 75 mm	0.2 mm		
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		
Extensometers				
Force	From 15 up to 60 N	0.3 N		
Linear	Up to 200 mm	0.2 mm		
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		



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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
Gyrowash and Washwheels				
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		
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	0.2 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		



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Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ( $k=2$ )	Remarks	Location Code
<b>TENSILE TESTING MACHINES</b>  Verification and calibration of the force measuring system by force proving instruments in Tension  Verification and calibration of the force measuring system by calibrated masses in Tension  Tautex crimp testing machines  Mass (check weight supplied with machine)  Linear  Load (indication in mass)	From 1 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				