

Our Ref: SW/BR

24 October 2022

**Report 397871**

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Wooltex UK Limited  
Woodland Mill  
Dale Street  
Longwood  
Huddersfield, Yorkshire  
HD3 4TG

Contact: Laura Wood

DATE RECEIVED : 6 OCT 2022  
 QUALITY/REFERENCE : HERO MELANGE  
 REPUTED FIBRE CONTENT : 97% WOOL, 3% NYLON  
 FABRIC DESCRIPTION : WOVEN  
 COLOUR/DESIGN : 113, 143, 153, 163, 183, 213, 233, 343, 373, 383, 393, 423, 463, 533,  
 : 563, 633, 643, 663, 673, 683, 713, 733, 753, 763, 773, 873, 893, 933,  
 : 953, 973  
 ORDER NUMBER : 4135  
 PERFORMANCE STANDARD : GENERAL  
 TEST PERFORMANCE DATE(S) : 06/10/2022 - 24/10/2022



REQUEST: Colour fastness to light

**S. WISEMAN**  
**LABORATORY DIRECTOR**



118 Lupton Avenue Leeds LS9 6ED  
 Tel:0044 (0) 113 248 8830 Fax:0044 (0) 113 248 0239 EMail: info@hstts.co.uk  
 Registered No. 2899980 VAT No. 887127683

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*This report may not be reproduced except in full without the written approval of HSTTS. In all circumstances results of tests are implied as referring only to the sample supplied and should not be construed or interpreted on any other basis. The comments given in the report are for guidance only and are not a part of the results. Where specified in a test method, preconditioning in accordance with ISO 139 is not carried out as samples are exposed to the conditioning atmosphere specified within ISO 139 for a minimum of 16 hours prior to test.*

*Conformity statements for tests marked ‡ are subject to the application of the decision rules set out in Annex A of this report and information on the measurement uncertainty for the relevant test(s) is provided within this test report.*



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**COLOUR FASTNESS TO:**
**BS EN ISO 105-B02:2014 Light Fastness Blue Wool 6**

	Shade change
113	6+
143	6+
153	6+
163	6+
183	6+
213	6+
233	6+
343	6+
373	6+
383	6+
393	6+
423	6+
463	6+
533	6+
563	6+



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**COLOUR FASTNESS TO:**
**BS EN ISO 105-B02:2014 Light Fastness Blue Wool 6**

	Shade change
633	6+
643	6+
663	6+
673	6+
683	6+
713	6+
733	6+
753	6+
763	6+
733	6+
873	6+
893	6+
933	6+
953	6+
973	6+

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**ANNEX A: DECISION RULES**

In accordance with the requirements of BS EN ISO 17025:2017 it is necessary for the decision rules applied to each test carried out to be agreed with the customer and reported. The following decision rules have been applied by default unless stated to the contrary in this test report.

Rule 1	<p>Applicable to any requirement stated to be 'Minimum xxxx' or 'Maximum xxxx' or stated to be a range (e.g. XXX to YYY or AAA ± B):</p> <p>The use of constrained simple acceptance based on the difference between a stated limit (requirement) and the reported test result being greater than the measurement uncertainty (U) for a conformity probability of 95%. The risk of false accept or false reject is 2.5%</p>
Rule 2	<p>For tests based on subjective grading of a result using a 9-point scale (e.g. colour fastness, pilling, etc):</p> <p>Simple acceptance based on the test uncertainty ratio (T.U.R.) being &lt;4. The risk of false accept or false reject is up to 50% but will be reduced the further the reported result is away from the stated requirement.</p>
Rule 3	<p>For tests based on a subjective assessment of a property (e.g. whether a component detaches or not):</p> <p>Simple acceptance based upon the conditions of testing falling within the criteria for test set out in the test method within a conformance probability of 95%. The risk of false accept or false reject of the testing conditions not meeting the specified requirements is 2.5%.</p>
Rule 4	<p>If a validated test method (e.g. BS EN ISO standard) indicates that the measurement uncertainty has already been taken into account when calculating the test result then results may be reported using simple acceptance without the need for the application of the relevant decision rule set out above.</p>

Any decision rule proposed by the client must satisfy the requirements of ISO 17025:2017 to include consideration of the measurement uncertainty and has been included within the test report. The company is obliged to refuse to apply decision rules that do not satisfy the requirements of BS EN ISO 17025:2017.



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