



TEST REPORT

Client: Gabriel
Hjulgagervej 55
Postbox 59
DK-9100 Aalborg
Denmark

Entry No: 103601A

Date received: 20/11/2018

Client's Description: Fabric Sample Web 2101Dark Grey

Test Required: Pilling, Colour fastness to Perspiration, Colour fastness to Rubbing with organic solvent, Colourfastness to Water spotting and Dimensional Stability.

Conditioning: In accordance with BS EN ISO 139: 2005 for a minimum of 24 hours at 65+/-4%, Relative Humidity, 20+/-2°C

Date Tests Completed: 29/01/2019

Pilling: BS EN ISO 12945-2: 2000 Load 415g

	<u>Rating</u>
After 2,000 rubs	5
After 5,000 rubs	5

Colour Fastness to Rubbing with Organic Solvents: BS EN ISO 105-D02: 2016^F

		<u>Tetrachloroethylene</u>	<u>White Spirit</u>
Staining:	Length Way	5	5
	Width Way	5	5
Change in colour:	Length Way	5	5
	Width Way	5	5

Note: Change in colour is not a requirement of the method but was carried out at the request of the client.

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This is hereby certified to be a correct return of the tests made of the items referred to herein



Claire Saville
Technologist
1st February 2019

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
 - ❖ Tests marked ^N in this certificate are not included in the UKAS Accreditation Schedule for this Laboratory.
 - ❖ Tests marked ^F in this certificate are performed under the Laboratory's Flexible Scope of Accreditation.
 - ❖ Tests marked ^S in this certificate have been subcontracted to another ISO17025 Accredited Laboratory.
 - ❖ Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.
 - ❖ Uncertainty budgets for test methods contained within this report are available on request.
- This Certificate relates only to the sample received and, unless that sample has been drawn by the staff of this laboratory, or its agent, and endorsed accordingly, any application of the result to a bulk quantity or other material is entirely the responsibility of the client.



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Colour Fastness to Perspiration: BS EN ISO 105–E04: 2013

Staining on:	Acid	Alkaline
Acetate	5	5
Cotton	5	5
Nylon 6.6	5	5
Polyester	5	5
Acrylic	4-5	5
Wool	5	4-5
Change in Colour	5	5

Dimensional Stability: BS EN ISO 5077: 2008

Washing Procedure: BS EN ISO 6330: 2012 Procedure 4M (40°C), Drying Procedure C Flat dry
Sample washed and dried 5 times.

Length	0 %
Width	-0.5 %

Dimensional Stability: BS EN ISO 5077: 2008

Washing Procedure: BS EN ISO 6330: 2012 Procedure 6M (60°C), Drying Procedure C Flat dry
Sample washed and dried 4 times.

Length	-2 %
Width	-0.5 %

Colour Fastness to Water Spotting BS EN ISO 105 E16 : 2007

	Result	Requirements
Inner circle	5	
Outer periphery	5	
No change		

Please note The water was absorbed after 30 minutes.

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“ Amended Report 103601A. This Report supersedes Test report 103601. Some of the results of the testing have been removed at the request of the client”