



## TEST REPORT

**Client:** Gabriel  
 Hjulmagervej 55  
 Postbox 59  
 DK-9100 Aalborg  
 Denmark

**Entry No:** 113916C

**Date received:** 02/12/2019

**Client's Description:** Fabric sample: Focus Melange Red

**Test Required:** Seam slippage, Tensile, Tear strength (wing rip), water spotting<sup>S</sup>, stretch and recovery<sup>S</sup>, Colour fastness to dry cleaning, rubbing and water, accordance with BS EN 14465 and BS 2543: 2004

**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:** 05/12/2019

**Seam Slippage:** BS EN ISO 13936-2: 2004

	<u>Mean Seam opening</u>
Warp Way Seam	1.0 mm
Weft Way Seam	1.0 mm

**Tensile Strength:** BS EN ISO 13934-1: 1999

Warp Way	540 N
Weft Way	450 N

**Tear Resistance:** BS EN ISO 13937-3: 2000

Torn across Warp	35 N
Torn across Weft	35 N

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



Karen Lunn  
 Technologist  
 6th December 2019  
 Amended 31/01/2020

- ❖ Unless instructed otherwise by the client sample remnants will be disposed of after 28 days.
  - ❖ Tests marked <sup>N</sup> in this certificate are not included in the UKAS Accreditation Schedule for this Laboratory.
  - ❖ Tests marked <sup>F</sup> in this certificate are performed under the Laboratory's Flexible Scope of Accreditation.
  - ❖ Tests marked <sup>S</sup> 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 Water Spotting:** BS EN ISO 105–E16:2007s

Grade  
Inner circle of tested area: 4-5  
Outer periphery of tested area: 4  
Cross staining 5  
Change in appearance 5

**Stretch & Recovery:** BS EN ISO 14704-1: 2005 Method A Load 27.5Ns

Time @ full extension	1 Min & 30 Mins	
Length	1 Min	30 Mins
Average % Recovery	100	100
Average % Residual	0.0	0.0
Extension		
Average % Stretch	<b>7.99%</b>	
Width	1 Min	30 Mins
Average % Recovery	100	100
Average % Residual	0.0	0.0
Extension		
Average % Stretch	<b>6.50%</b>	

**Colour Fastness to Dry Cleaning:** BS EN ISO 105–D01: 2010

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

**Colour Fastness to Rubbing:** BS EN ISO 105–X12: 2016<sup>F</sup>

	<u>Staining</u>		<u>Change in colour</u>	
	<u>Dry</u>	<u>Wet</u>	<u>Dry</u>	<u>Wet</u>
Warp Way	4-5	4-5	5	4-5
Weft Way	4-5	4-5	5	4-5

**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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**Colour Fastness to Rubbing with Organic Solvents:** BS EN ISO 105–D02: 2016<sup>F</sup>

		<u>Tetrachloroethylene</u>	<u>White Spirit</u>
Staining:	Length Way	<b>5</b>	<b>4-5</b>
	Width Way	<b>5</b>	<b>5</b>
		<u>Tetrachloroethylene</u>	<u>White Spirit</u>
Change in colour:	Length Way	<b>5</b>	<b>5</b>
	Width Way	<b>5</b>	<b>5</b>

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

**Colour Fastness to Water:** BS EN ISO 105–E01: 2013

Staining on:		
	Acetate	<b>5</b>
	Cotton	<b>5</b>
	Nylon 6.6	<b>4</b>
	Polyester	<b>5</b>
	Acrylic	<b>5</b>
	Wool	<b>4-5</b>
	Change in Colour	<b>5</b>

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Amended Report 113916C.

This Report supersedes Test report 113916B. This amended report has been produced in response to the client's request and following a product name change.