West Yorkshire
Materials Testing Service
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TEST REPORT

Client:	Gabriel Hjulmagervej 55 Postbox 59 DK-9100 Aalborg Denmark
Entry No:	73517 (amended)
Date received:	04/02/2016
Client's Description:	Sample of fabric Task: 754, Article no: 13-2449, Name: GO Couture, Colour: 60083 Grey
Test Required:	Tensile Strength and Seam Slippage in accordance with BS EN 14465. Colour Fastness to Water, Perspiration, Washing, Rubbing with Organic Solvents, Water Spotting[S]. Dimensional Stability to Washing. Stretch & Recovery[S].
Conditioning:	In accordance with BS EN ISO 139: 2005 for a minimum of 24 hours at 65+/-4%, Relative Humidity, 20+/-2ºC
Date Tests Completed:	01/03/2016

Tensile Strength: BS EN ISO 13934-1: 2013

Warp Way	**1700**	N
Weft Way	**1600**	N

Seam Slippage: BS EN ISO 13936-2: 2004

	Mean Seam opening	
Warp Way Seam	**4**	mm
Weft Way Seam	**4**	mm

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

Vivienne Brockbank
Senior Technician
Date of original 02 March 2016
Date of amendment 12 April 2016

- 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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Client: Gabriel

Entry No: 73517 (amended)

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

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

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

Staining on:	Acid	Alkali
Acetate	**5**	**5**
Cotton	**5**	**5**
Nylon 6.6	**5**	**5**
Polyester	**5**	**5**
Acrylic	**5**	**5**
Wool	**5**	**5**
Change in Colour	**5**	**5**

Colour Fastness to Washing: BS EN ISO 105–C06:2010 Procedure A2S at 40°C using 10 steel balls

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

Colour Fastness to Rubbing with Organic Solvents: BS EN ISO 105–D02:2002

		Tetrachloroethylene	White Spirit
Staining:	Warp Way	**4-5**	**4-5**
	Weft Way	**4-5**	**4-5**
		Tetrachloroethylene	White Spirit
Change in colour:	Warp Way	**5**	**5**
	Weft Way	**5**	**5**

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Client: Gabriel

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Colour Fastness to Water Spotting: BS EN ISO 105–E16:2007 [S]

	Grade
Inner circle of tested area :	**5**
Outer periphery of tested area:	**5**
Change in appearance:	**None**

Dimensional Stability: BS EN ISO 5077: 2008
Washing Procedure: BS EN ISO 6330: 2012 Procedure 4M (40°C), Drying Procedure C Flat dry

Warp	**-0.5**	%
Weft	**-0.5**	%

Note: a negative result indicates shrinkage.

Dimensional Stability: BS EN ISO 5077: 2008
Washing Procedure: BS EN ISO 6330: 2012 Procedure 6M (60°C), Drying Procedure C Flat dry

Warp	**-2.5**	%
Weft	**-1.5**	%

Note: a negative result indicates shrinkage.

Dimensional Stability: BS EN ISO 5077: 2008
Washing Procedure: BS EN ISO 6330: 2012 Procedure 7M (@74°C), Drying Procedure C Flat dry

Warp	**-3.5**	%
Weft	**-2.5**	%

Note: a negative result indicates shrinkage.

Stretch & Recovery: BS EN ISO 14704-1:2005 using a load of 27.5N [S]

Time @ full extension	60 Secs	
Length	1 Min	30 Mins
Average % Recovery	**99.6%**	**100%**
Average % Residual Extension	**0.4%**	**0.0%**
Average % Stretch	**6.1%**	
Width	1 Min	30 Mins
Average % Recovery	**99.8%**	**100%**
Average % Residual Extension	**0.2%**	**0.0**
Average % Stretch	**7.0%**	

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