



TEST REPORT

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

Entry No: 93325-02

Date received: 13/12/2017

Client's Description: Sample of fabric: Fighter 60082 Light Grey

Test Required: Colour Fastness to Rubbing, Colour Fastness to Rubbing with Organic Solvents, Colour Fastness to Perspiration, Colour Fastness to Light, Colour Fastness to Dry Cleaning, Colour Fastness to Washing.

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: 22/01/2018

Colour Fastness to Rubbing: BS EN ISO 105–X12: 2016^F

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

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

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

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

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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
 Technician
 06 February 2018

- ❖ 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	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 Light: BS EN ISO 105-B02: 2014 Method 2

A specimen was exposed together with Standard References numbers 1-8. By comparison with the standard references the grading was found to be:

BWS Rating
6-7

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

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

Colour Fastness to Washing: BS EN ISO 105-C06: 2010 Procedure C2S at 60°C using 25 steel balls

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

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