



Confidential Report

Our Ref: 23/58546/05/21





Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
Telephone: +44 (0) 113 259 1999
Email: info@bttg.co.uk
: www.bttg.co.uk

Date: 4 June 2021

Our Ref: 23/58546/05/21
Your Ref: ---

Page: 1 of 6

Client: **Camira Fabrics Limited**

The Watermill
Wheatley Park
Mirfield
West Yorkshire
WF14 8HE

Job Title: Fire Test on One Fabric Sample

Clients Order Ref: 83A11767

Date of Receipt: 18 May 2021

Date Test Started: 01 June 2021

Description of Sample: One sample of fabric, which was referenced by the client as;

Quality: Silk. Colour: Arabia. Batch: 467809

Work Requested: We were asked to make the following fire test:

IMO FTP Code 2010:Part 8

- * subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited



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Note: This report relates only to the samples submitted and as described in the report.

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Page: 2 of 6

Client: **Camira Fabrics Limited**

Product Description

Company Name	Camira Fabrics
FABRIC	
Type of Furniture, e.g., Seat, Sofa, Office Chair, etc.;	Upholstery Fabric
Name and/or Identification of the product	Silk
Materials of the Product and its Composite Ratio (i)	70% Wool, 19% Flax, 11% Silk
Composition of Weave (ii)	Dobby Weave
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	IP
Yarn Number Count	IP
Thickness (mm)	1.0 (Nominal)
Mass per Unit Area (g/m ²)	495g/m²
Colour and Tone (iii)	Arabia
Method and Quantity of Fire Retardant Treatment	n/a
FILLINGS	
Material (Name of Manufacturer, Type Designation)	--
Type of Filling Material (eg. Foam, Polyester Fibre etc.)	--
Weight per Unit Volume (kg/m ³)	--
Method and Quantity of Fire Retardant Treatment	--

- (i) Such as wool, nylon, polyester, etc.
- (ii) Such as plain, weave, twilled.
- (iii) If the product has a pattern, the representative colour shall be described.



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Page: 3 of 6

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Testing to IMO FTP Code 2010 : Part 8 – Test for Upholstered Furniture

Conditioning

Immediately prior to testing the samples was placed in indoor ambient conditions for 72 hours and then conditioned in a standard atmosphere of $23\pm 2^{\circ}\text{C}$ temperature and $50\pm 5\%$ relative humidity for at least 16 hours.

The samples were tested in a room of volume 25m^3 and 19°C .

Procedure

The samples was tested in accordance with IMO FTP Code 2010:Part 8 using ignition sources 0 and 1. The sponsor sampled the material and the specimens were cut from the sample received to the dimensions set out in the standard.

The sample was tested over non-fire retardant polyurethane foam with a density of approximately $20\text{-}22\text{kg}/\text{m}^3$.

Requirements

Ignition Source 0 No progressive smouldering or flaming within 1 hour of the placement of the cigarette.

Ignition Source 1 All progressive smouldering and flaming to cease within 120 sec of removal of the burner tube.

Cigarette Specification (Source 0)

Dimensions (mm)	68mm x 8.0mm
Mass (g)	0.92
Smouldering Rate (mins/secs)	11.03



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 Page: 4 of 6

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RESULTS

Cigarette Test – Source 0

Specimen No.	1	2
Extinction Time (smouldering) (min)	26	26
Time of cover split	DNS	DNS
Melting (Yes/No)	No	No
Dripping (Yes/No)	No	No
Charring (Yes/No)	Yes	Yes
Progressive Smouldering (Yes/No)	No	No
Observations	--	--
Pass/Fail	PASS	PASS

Result of the Cigarette Test: Pass

Propane Flame Test – Source 1

Specimen No.	1	2
Time of Ignition (s)	8	8
Extinction time of flames after removal of burner (s)	2	2
Time to Cover Split (s)	DNS	DNS
Melting (Yes/No)	No	No
Dripping (Yes/No)	No	No
Charring (Yes/No)	Yes	Yes
Progressive smouldering (Yes/No)	No	No
Observations:	--	--
Pass/Fail	PASS	PASS

Result of the Flame Test: Pass

Acronym

DNP – Did not propagate
 ME – Manually extinguished
 DNS – Material did not split
 BTE – Burnt to extremities

EC – Escalating combustion
 ES – Escalating smouldering
 DNO – Did not observe time of event



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Page: 5 of 6

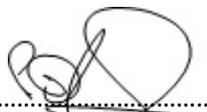
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Comment

In our opinion, based on the test carried out on the sample supplied; the results indicate that the sample meets the requirements according to IMO FTP Code 2010:Part 8.

Uncertainty of measurement has not been taken into account when presenting the test result. The relevant uncertainty value is included as an annex which forms an integral part of the report.

Reported by:.......... B Bland, Technical Customer Services Officer

Countersigned by:.......... P Doherty, Manager

Enquiries concerning this report should be addressed to Customer Services.





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Page: 6 of 6

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Uncertainty Budget - Annex

The overall uncertainty budget IMO FTP Code 2010:Part 8 is as follows:-

Measurements: $\pm 1\text{mm}$
Timings: ± 2 seconds



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