



TESTING • CERTIFICATION • AUDITING

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Website: [www.bttg.co.uk](http://www.bttg.co.uk)

Date: 01 December 2020

Our Ref: 23/58015-9

Your Ref: 83A09560

Page: 1 of 6

Client: Camira Fabrics Limited  
The Watermill  
Wheatley Park  
Mirfield  
WF14 8HE

Job Title: Fire test on one sample of fabric

Client's Order No: 83A09560

Date of Receipt: 20 November 2020

Date of Test Start: 30 November 2020

Description of Sample(s): One sample of fabric identified as follows was received for testing:

Silk, HSLK01, Run 460542

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

IMO FTP Code 2010 Part 8 (Upholstered Furniture)



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## Camira Fabrics Limited

Sample was identified as follows:

Silk, HSLK01, Run 460542

## 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  $25\text{m}^3$  and  $16^{\circ}\text{C}$ .

### 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  $20\text{-}22\text{ kg/m}^3$ .

### 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 8mm
Mass (g)	0.92
Smouldering Rate (mins/secs)	10.29

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Page: 3 of 6

Camira Fabrics Limited

## Product Description

Company Name	Camira Fabrics
Type of Furniture, e.g., Seat, Sofa, Office Chair, etc;.	All
Name and/or Identification of the Product Tested	Silk
Materials of the Product and its Composite Ratio (i)	67% wool, 22% flax, 11% silk
Composition of Weave (ii)	Plain
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Not specified by client
Yarn Number Count	Not specified by client
Thickness (mm)	1.0mm
Mass per Unit Area (g/mm <sup>2</sup> )	495 g/m <sup>2</sup> 693 g/lin.m
Colour and Tone (iii)	HSLK01 Run 460542
Method and Quantity of Fire Retardant Treatment	Not supplied by client

(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: 4 of 6

Camira Fabrics Limited

## RESULTS

Sample Ref: Silk, HSLK01, Run 460542

### Cigarette Test – Source 0

Specimen No.	1	2
Extinction Time (smouldering) (min)	DNP	DNP
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
Pass/Fail	PASS	PASS

Result of the Cigarette Test: PASS

### Propane Flame Test – Source 1

Specimen No.	1	2
Time of Ignition (s)	4	3
Extinction time of flames after removal of burner (s)	1	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
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

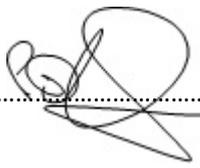
**Camira Fabrics Limited**

**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  
Laboratory Technician

Countersigned By:   
P Doherty  
Manager

Enquiries concerning this report should be addressed to Customer Services



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Page: 6 of 6

## Uncertainty Budget – Annex

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

Measurements:  $\pm 1\text{mm}$

Timings:  $\pm 2$  seconds



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