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Date: 03 February 2021

Our Ref: 23/58178-1-3  
Your Ref: 2143

Page: 1 of 6

Client: Kobefab International B.V.  
De Vest 62  
5555 XP Valkenswaard  
Netherlands

Job Title: Fire test on one sample of fabric

Client's Order No: 2143

Date of Receipt: 27 January 2021  
Date of Test Start: 01 February 2021

Description of Sample(s): One sample of fabric identified as follows was received for testing:  
  
Lapis FR, stated to be 100% Pes

Work Requested: We were asked to make the following test:  
  
IMO FTP Code 2010 Part 8 (Upholstered Furniture)



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## Kobefab International B.V.

Sample was identified as follows:

Lapis FR, stated to be 100% Pes

## 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  $20\pm 5^{\circ}\text{C}$  temperature and  $50\pm 20\%$  relative humidity for at least 16 hours.

The samples were tested in a room of volume  $25\text{m}^3$  and  $195^{\circ}\text{C}$ .

### 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)	11.03



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**Kobefab International B.V.**

## Product Description

Company Name	Kobefab International bv
Type of Furniture, e.g., Seat, Sofa, Office Chair, etc.	Seats, sofas and office chairs
Name and/or Identification of the Product Tested	Lapris FR
Materials of the Product and its Composite Ratio (i)	100% Pes
Composition of Weave (ii)	Velvet
Density (Number/Inch) the Number of Threads per Inch in both warp and weft; and	Not supplied by client
Yarn Number Count	Not supplied by client
Thickness (mm)	1-2mm
Mass per Unit Area (g/mm <sup>2</sup> )	403g/m <sup>2</sup>
Colour and Tone (iii)	Not supplied by client
Method and Quantity of Fire Retardant Treatment	FR back coating

(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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TESTING • CERTIFICATION • AUDITING

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Kobefab International B.V.

## RESULTS

Sample Ref: Lapis FR, stated to be 100% Pes

### Cigarette Test – Source 0

Specimen No.	1	2
Extinction Time (smouldering) (min)	21	23
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)	3	3
Extinction time of flames after removal of burner (s)	1	1
Time to Cover Split (s)	10	9
Melting (Yes/No)	Yes	Yes
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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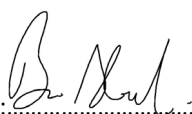
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**Kobefab International B.V.**

### 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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Kobefab International B.V.

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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:  $\pm 2$  seconds



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