



**Centro Tessile Serico Sostenibile Srl**  
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LAB N° 0045 L

Test Report No.:	<b>2100198-002</b>	Customer Code 05485
Date Test Report	<b>13-gen-21</b>	Dear:
Acceptance:	<b>2100198</b>	<b>MARIO SIRTORI SPA</b>
Arrival date sample	<b>11-gen-21</b>	via Papa Giovanni XXIII 10
Start date test	<b>11-gen-21</b>	23845 COSTA MASNAGA (LC) Italia
End date test	<b>13-gen-21</b>	C.a. sig. Sergio Sala Crist
References:		Phone: +39 031 879632
Sampling Mode:	Sampling by Customer *	

[C] Item:	<b>PANDA</b>
[C] Declared Composition:	<b>34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4% Flax - 4% Cotton</b>
[C] End use:	<b>Furnishing</b>
[C] Typology:	<b>Fabric</b>
Return:	<b>No requested</b>

### Test Results

Test	Method	U.M.	Result
<b>15066 UPHOLSTERY FURNITURE COMPONENTS: ASSESSMENT OF THE IGNITABILITY BY SMOULDERING CIGARETTE</b>	<b>UNI EN 1021-1:2014</b>		.
<b>Instrument:</b> Small Test Rig and burner			
Test carried out on			cover fabric
Pretreatment carried out			none
Ignition source			SMOULDERING CIGARETTE
Materials of test assembly			
Upholstery filling: fire retardant polyurethane foam with a density of 35 kg/m <sup>3</sup>			
Inner cover: -			
Outer cover: SEE ARTICLE DESCRIPTION			
TEST RESULT			SAMPLE PASSES THE TEST: NON IGNITION
Note: to assess the ignitability of this sample, the test has been carried out using a fire-retardant polyurethane foam with a density of 35 kg/m <sup>3</sup> as filling of the upholstered seating. The test result could be different using another type of filling material.			
Deviations from the method			none
Annex n.			1F
Details of the test results related to each specimen can be seen in the annex of this test report.			

(\*) = The tests marked in this way are not accredited by Accredia

The Results contained in this Report refer only to the Sample as received and do not imply an approval of the tested product by the Laboratory of the Centro Tessile Serico Sostenibile Srl. Unless otherwise specified, the side examined / straight of use is indicated by the Customer: this information can influence the results of the tests and therefore the Test Laboratory declines all responsibility.

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LAB N° 0045 L

Test Report No.: **2100198-002**

Test	Method	U.M.	Result
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**The Laboratory Manager**

Fausto Albonico

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**END OF REPORT**  
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LAB N° 0045 L

Annex n. 1F to test report n. 2100198-002

## DETAILS OF TEST RESULTS

Test executed according to UNI EN 1021-1:2014 (EN 1021-1:2014)

### Furniture

### Assessment of the ignitability of upholstered furniture

### Part 1: Ignition source: smouldering cigarette

Article description: **PANDA**

Declared composition: **34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4% Flax - 4% Cotton**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m<sup>3</sup>**

Inner cover: -

Outer cover: **see article description**

Conditioning of test specimen: **23 ± 2 °C, 50 ± 5 % r.h.**

Testing temperature and r.h.: **20°C, 39% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant**

Date of test: **13/01/2021**

<b>SMOULDERING CRITERIA:</b>	<b>1<sup>st</sup> cigarette</b>	<b>2<sup>nd</sup> cigarette</b>	<b>Comments</b>
<b>Smouldering criteria:</b>			
Unsafe escalating combustion	NO	NO	Time elapsed between placing the cigarette and extinguishing 1 <sup>st</sup> 23 min 2 <sup>nd</sup> 26 min
Test assembly consumed	NO	NO	
Smoulders to extremities	NO	NO	
Smoulders through thickness	NO	NO	
Smoulders more than 1 h	NO	NO	
In final examination, presence of active smouldering	NO	NO	
<b>Flaming criteria:</b>			
Evidence of flames	NO	NO	Time elapsed between placing the cigarette and extinguishing

**NO = criteria not observed**

## TEST RESULT: SAMPLE PASSES THE TEST - NON IGNITION

*The above test results relate only to the ignitability of the combination of materials under the particular conditions of test. They are not intended as a means of assessing the full potential fire hazard of the material in use.*

*The probability that the observation criteria mentioned represent the truth is equal to 95%.*

*The expanded uncertainty is calculated by multiplying the combined standard uncertainty for a coverage factor  $K = 2$ , which for a normal distribution leads to a confidence level of approximately 95%.*

The Laboratory Manager  
Feusto Albornico



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LAB N° 0045 L

Test Report No.:	<b>2100198-003</b>	Customer Code 05485
Date Test Report	<b>13-gen-21</b>	Dear:
Acceptance:	<b>2100198</b>	<b>MARIO SIRTORI SPA</b>
Arrival date sample	<b>11-gen-21</b>	via Papa Giovanni XXIII 10
Start date test	<b>11-gen-21</b>	23845 COSTA MASNAGA (LC) Italia
End date test	<b>13-gen-21</b>	C.a. sig. Sergio Sala Crist
References:		Phone: +39 031 879632
Sampling Mode:	Sampling by Customer *	

[C] Item:	<b>PANDA</b>
[C] Declared Composition:	<b>34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4% Flax - 4% Cotton</b>
[C] End use:	<b>Furnishing</b>
[C] Typology:	<b>Fabric</b>
Return:	<b>No requested</b>

### Test Results

Test	Method	U.M.	Result
<b>15076 UPHOLSTERY FURNITURE: ASSESSMENT OF THE IGNITABILITY BY MATCH FLAME</b>	<b>UNI EN 1021-2:2014</b>		.
<b>Instrument:</b> Small Test Rig and burner			
Test carried out on			cover fabric
Pretreatment carried out			none
Ignition source			MATCH FLAME EQUIVALENT
Materials of test assembly			
Upholstery filling: fire retardant polyurethane foam with a density of 35 kg/m <sup>3</sup>			
Inner cover: -			
Outer cover: SEE ARTICLE DESCRIPTION			
TEST RESULT			SAMPLE PASSES THE TEST: NON IGNITION
Note: to assess the ignitability of this sample, the test has been carried out using a fire-retardant polyurethane foam with a density of 35 kg/m <sup>3</sup> as filling of the upholstered seating. The test result could be different using another type of filling material.			
Deviations from the method			none
Annex n.			1F
Details of the test results related to each specimen can be seen in the annex of this test report.			

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LAB N° 0045 L

Test Report No.: **2100198-003**

Test	Method	U.M.	Result
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**The Laboratory Manager**

Fausto Albonico

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**END OF REPORT**  
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LAB N° 0045 L

Annex n. 1F to test report n. 2100198-003

## DETAILS OF TEST RESULTS

### Test executed according to UNI EN 1021-2:2014 (EN 1021-1:2014) Furniture - Assessment of the ignitability of upholstered furniture Part 2: Ignition source: match flame equivalent

Article description: **PANDA**

Declared composition: **34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4% Flax - 4% Cotton**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m<sup>3</sup>**

Inner cover: -

Outer cover: **see article description**

Conditioning of test specimen: **23 ± 2 °C, 50 ± 5 % r.h.**

Testing temperature and r.h.: **20°C, 38% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant**

Date of test: **13/01/2021**

SMOULDERING CRITERIA:	1 <sup>st</sup> test	2 <sup>nd</sup> test	3 <sup>rd</sup> test	Comments
<b>Smouldering criteria:</b>				
Unsafe escalating combustion	NO	NO	NO	Time smouldering: 1st test: 9 s 2nd test: 5 s 3rd test: 7 s
Test assembly consumed	NO	NO	NO	
Smoulders to extremities	NO	NO	NO	
Smoulders through thickness	NO	NO	NO	
Smoulders more than 1 hour	NO	NO	NO	
In final examination, presence of active smouldering	NO	NO	NO	
<b>Flaming criteria:</b>				
Unsafe escalating combustion	NO	NO	NO	Time flaming: 1st test: 2 s 2nd test: 2 s 3rd test: 2 s
Test assembly consumed	NO	NO	NO	
Flames to extremities	NO	NO	NO	
Flames through thickness	NO	NO	NO	
Flames more than 120 s	NO	NO	NO	

**NO = criteria not observed**

### TEST RESULT: SAMPLE PASSES THE TEST – NON IGNITION

*The above test results relate only to the ignitability of the combination of materials under the particular conditions of test.*

*They are not intended as a means of assessing the full potential fire hazard of the material in use.*

*The probability that the observation criteria mentioned represent the truth is equal to 95%.*

*The expanded uncertainty is calculated by multiplying the combined standard uncertainty for a coverage factor  $K = 2$ , which for a normal distribution leads to a confidence level of approximately 95%.*