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LAB N° 0045 L

Test Report No.:	<b>2107292-003</b>	
Date Test Report	<b>25-ott-21</b>	Customer Code 00137
Acceptance:	<b>2107292</b>	Dear:
Arrival date sample	<b>20-ott-21</b>	<b>LIMONTA SPA</b>
Start date test	<b>20-ott-21</b>	via Cesare Battisti 15
End date test	<b>22-ott-21</b>	23845 COSTA MASNAGA (LC) Italia
References:		C.a. sig.ra Rita Molteni
		Phone: +39 031 857393
Sampling Mode:	Sampling by Customer *	

  

[C] Item:	<b>SORISOLE</b>
[C] Declared Composition:	<b>28% Acrylic - 28% Virgin Wool - 16% Polyester - 12% Viscose - 10% Cotton - 6% Flax</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</b> <b>COMPONENTS: ASSESSMENT OF THE</b> <b>IGNITABILITY BY SMOULDERING CIGARETTE</b>	<b>TB 117:2013</b>		.
<b>Instrument:</b> Mini Mock Up Tester			
Test carried out on			
Ignition source			SMOULDERING CIGARETTE
Materials of test assembly			
Upholstery filling: NON fire retardant polyurethane foam with a density of 28 kg/m³			
Inner cover: -			
Outer cover: SEE ARTICLE DESCRIPTION			
TEST RESULT			PASS
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.			
<b>15066 UPHOLSTERY FURNITURE</b> <b>COMPONENTS: ASSESSMENT OF THE</b> <b>IGNITABILITY BY SMOULDERING CIGARETTE</b>	<b>BS 5852-1:1979</b>		.
<b>Instrument:</b> Small Test Rig and burner			
Test carried out on			cover fabric
Pretreatment carried out			none
Ignition source			source 0 (SMOULDERING CIGARETTE)

(\*) = 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.: **2107292-003**

Test	Method	U.M.	Result
Materials of test assembly			.
Upholstery filling: NON fire retardant polyurethane foam with a density of 21 kg/m <sup>3</sup>			
Inner cover: -			
Outer cover: SEE ARTICLE DESCRIPTION			
TEST RESULT			SAMPLE PASSES THE TEST: PASS
Note: to assess the ignitability of this sample, the test has been carried out using a NON fire-retardant polyurethane foam with a density of 21 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.			2F
Details of the test results related to each specimen can be seen in the annex of this test report.			

**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. 2107292-003

## DETAILS OF TEST RESULTS

Test executed according to TB 117:2013

**Requirements, Test procedure and Apparatus for testing the Smolder Resistance of Materials used in Upholstered Furniture**

Sample description: **SORISOLE**

Declared composition: **28% Acrylic - 28% Virgin Wool - 16% Polyester - 12% Viscose - 10% Cotton - 6% Flax**

Conditioning of test specimen and ignition source (SRM 1196 cigarette): **24 h at 21 ± 3 °C, <55% r.h.**

Testing temperature and r.h.: **20°C, 60% r.h.**

Filling specification: **NON FIRE-RETARDANT polyurethane foam with a density of 28 kg/m<sup>3</sup>**

Date of test: **21/10/2021**

**Type of fabric: COVER FABRIC**

Specimen number	1	2	3
Total combustion of the cigarette (YES / NO)	YES	YES	YES
Time of progressive smoldering from placement of the source (min)	27	30	29
Size of the damage (mm)	20	18	19
Mock-up test specimen transitions to open flaming (YES / NO)	NO	NO	NO
<b>CIGARETTE TEST RESULT (PASS/FAIL)</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

### Cover Fabric Classification (ref. TB 117:2013)

A single mock-up test specimen fails to meet the requirements if any of the following criteria occurs:

- The mock-up test specimen continues to smolder after the 45 minute test duration;
- A char in any direction more than 45 mm develops on the cover fabric
- The mock-up test specimen transitions to open flaming.

2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their full length and the mock-ups are no longer smoldering.

3. If more than one initial specimen fails, the cover fabric fails the test.

4. If any one of the three initial specimens fails, repeat the test on additional three specimens.

5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

*The following test result 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.*

*Upholstery cover fabrics that fail the cover fabric test described in Section 1 can be used in upholstered furniture if a barrier (interliner) material that passes the test method described in Section 2 is used. When a barrier is required, the barrier material must cover all sides and top of the seating cushion(s). Exceptions: Non-reversible and non-detachable seating cushions do not require the use of the barrier material on the underside of the seating cushion.*

*The probability that the criteria represent the truth observation 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

Fausto Albionico