

Test Report No.:	<b>2500146-001</b>	
Date Test Report	<b>21-gen-25</b>	Customer Code 00137
Acceptance:	<b>2500146</b>	Dear:
Arrival date sample	<b>14-gen-25</b>	<b>LIMONTA SPA</b>
Start date test	<b>14-gen-25</b>	via Cesare Battisti 15
End date test	<b>21-gen-25</b>	23845 COSTA MASNAGA (LC) Italia
References:		C.a. sig.ra Daniela Marucci
		Phone: +39 031 857471
Sampling Mode:	Sampling by Customer *	
[C] Item:	<b>HENRY</b>	
[C] Declared Composition:	<b>100% Polyester</b>	
[C] End use:	<b>furnishing</b>	
[C] Typology:	<b>fabric</b>	
[C] Note:	<b>fire retardant polyester</b>	
Return:	<b>no requested</b>	

## Test Results

Test	Method	U.M.	Result
<b>15066 UPHOLSTERY FURNITURE</b>	<b>UNI EN 1021-1:2014</b>		.
<b>COMPONENTS: ASSESSMENT OF THE</b>			
<b>IGNITABILITY BY SMOULDERING CIGARETTE</b>			
<b>Start date test</b>	17/01/2025		
<b>End date test</b>	20/01/2025		
<b>Instrument:</b>	Small Test Rig and burner		
Test carried out on			Cover fabric
Pretreatment carried out			None
Conditioning of sample			23 ± 2 °C, 50 ± 5 % r.h.
Testing temperature and r.h.			17°C - 61% r.h
Ignition source			source 0 (SMOULDERING CIGARETTE)
TEST RESULT			SAMPLE PASSES THE TEST: NON IGNITION
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

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Test Report No.: **2500146-001**

Test	Method	U.M.	Result
<b>15076 UPHOLSTERY FURNITURE: ASSESSMENT OF THE IGNITABILITY BY MATCH FLAME</b>			
<b>Method</b>		<b>UNI EN 1021-2:2014</b>	
<b>Start date test</b>	20/01/2025		
<b>End date test</b>	21/01/2025		
<b>Instrument:</b> Small Test Rig and burner			
Test carried out on			Cover fabric
Pretreatment carried out			None
Conditioning of sample			23 ± 2 °C, 50 ± 5 % r.h.
Testing temperature and r.h.			18°C - 54% r.h
Ignition source			source 1 (MATCH FLAME EQUIVALENT)
TEST RESULT			SAMPLE PASSES THE TEST: NON IGNITION
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.			
<b>15066 UPHOLSTERY FURNITURE COMPONENTS: ASSESSMENT OF THE IGNITABILITY BY SMOULDERING CIGARETTE</b>			
<b>Method</b>		<b>TB 117:2013</b>	
<b>Start date test</b>	20/01/2025		
<b>End date test</b>	21/01/2025		
<b>Instrument:</b> Mini Mock Up Tester			
Test carried out on			Cover fabric
Pretreatment carried out			None
Conditioning of sample			23 ± 2 °C, 50 ± 5 % r.h.
Testing temperature and r.h.			18°C - 54% r.h.
Ignition source			NON filtered standard cigarette SRM 1196
TEST RESULT			PASS
Deviations from the method			None
Annex n.			3F
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Test	Method	U.M.	Result
* <b>15196 PREPARATION OF MATERIALS FOR BURNING BEHAVIOUR TESTS: BRUSHING IN DETERGENT SOLUTION</b>	<b>UNI 9176: 1998 - Metodo D</b>		.
<b>Start date test</b>	16/01/2025		
<b>End date test</b>	17/01/2025		
<b>Instrument:</b>	Brusher - ATS FAAR		
Procedure:			
Sample was submitted to brushing (200 cycles) in an aqueous detergent solution (2% w/w) and rinsed with stream water. After the conditioning, the sample was submitted to fire reaction test, as following described.			
Deviations from the method			None
* <b>15036 REACTION TO FIRE OF FURNITURE BY APPLYING A SMALL FLAME</b>	<b>UNI 9175:1987 + A1:1994</b>		.
<b>Start date test</b>	20/01/2025		
<b>End date test</b>	21/01/2025		
<b>Instrument:</b>	Small Test Rig and burner		
Pretreatment carried out			sample was submitted to brushing, as above described
Upholstery filling test result (flame 20 s)			
NOTE: In absence of effective upholstery filling, the test has been carried out using a FLAME RETARDANT POLYURETHANE FOAM with a density of 35 kg/m <sup>3</sup> (HR35D) as filling of the upholstered seating. This foam meets the test requirements for the upholstery filling (test on upholstery filling - without outer cover material - 20 s of flame time application). The test result could be different using another type of filling material.			
Upholstery filling test result (flame 20 s)	-		POSITIVE
Upholstery test result (flame 80 s)	-		POSITIVE
Upholstery test result (flame 140 s)	-		POSITIVE
TEST RESULT			SAMPLE MEET THE CLASS 1IM
Deviations from the method			None
Annex n.			4F
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.: **2500146-001**

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

**Allegato n. 3F al rapporto di prova / Annex n. 3F to test report n. 2500146-001**

**DETTAGLIO DEI RISULTATI DI PROVA**  
**DETAILS OF TEST RESULTS**

**Prova eseguita in conformità a TB 117:2013 – Sezione 1**

**Requisiti, metodo e apparecchi per il test di reazione alla combustione senza fiamma dei materiali usati nei mobili imbottiti**

*Test carried out according to TB 117:2013 – Section 1*

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

**Dettagli di prova / Test Details**

<b>Imbottitura prevista dal metodo TB 117</b> <i>Upholstery filling specification according to TB 117</i>	Schiuma poliuretanica NON IGNIFUGA con densità di 28,0-29,6 kg/m <sup>3</sup> <i>Non fire-retardant polyurethane foam with a density of 28,0-29,6 kg/m<sup>3</sup></i>
<b>Pretrattamento del campione/ Sample pretreatment:</b>	Pretrattamento non previsto dal metodo <i>Pretreatment not required by method</i>
<b>Sorgente prevista dal metodo TB 117</b> <i>Source according to TB 117</i>	Sigaretta standard senza filtro SRM 1196 <i>NON filtered cigarette SRM 1196</i>

**Sezione 1: TEST per TESSUTI DI RIVESTIMENTO / Section 1: COVER FABRIC TEST**

Provetta n. /Specimen nr.	1	2	3	Requisito <i>Requirements</i>
Totale combustione della sigaretta (SI/NO) <i>Total combustion of the cigarette (YES / NO)</i>	SI/YES	SI/YES	SI/YES	-
Durata di combustione senza fiamma dall'applicazione della sorgente (min) <i>Time of progressive smouldering from placement of the source (min)</i>	26	27	26	<45 min
Dimensione del danneggiamento (mm) / <i>Size of the damage (mm)</i>	20	18	18	<45 mm
Presenza di combustione CON fiamma (SI/NO) <i>Mock-up test specimen transitions to open flaming (YES / NO)</i>	NO	NO	NO	Non presente / <i>None</i>
<b>Risultato / Result</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

I tessuti di rivestimento che non superano il test descritto nella Section 1 possono essere utilizzati nei mobili imbottiti se si utilizza un materiale di barriera (Interliner) che supera il test descritto nella Section 2. Quando è richiesto l'utilizzo di un interliner, il materiale deve coprire tutti i lati e la parte superiore del/i cuscino/i di seduta. Eccezioni: i cuscini di seduta non ribaltabili e non staccabili non richiedono l'uso di materiale di barriera sul lato inferiore.

I risultati di prova di cui sopra riguardano esclusivamente l'accendibilità della combinazione di materiali nelle particolari condizioni di prova. Essi non sono destinati a essere utilizzati come mezzo di valutazione della pericolosità d'incendio potenziale globale dei materiali nella destinazione d'uso. La probabilità che la conformità attribuita corrisponda al vero è pari al 95%.

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

**Il Responsabile Laboratorio**  
**The Laboratory Manager**  
Fausto Albonico

I Risultati contenuti nel presente Allegato si riferiscono esclusivamente al campione così come ricevuto e agli oggetti provati e non implicano una approvazione del prodotto testato da parte del Laboratorio del Centro Tessile Serico Sostenibile Srl. Il presente Rapporto **non può essere riprodotto parzialmente**, salvo preventiva autorizzazione scritta del Laboratorio Centro Tessile Serico Sostenibile Srl / *The Results contained in this Annex refer only to the sample as received and to the objects tested and do not imply an approval of the tested product by the Laboratory of the Centro Tessile Serico Sostenibile Srl. This Report may not be reproduced in part, unless written permission of Centro Tessile Serico Sostenibile Srl Laboratory.*