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Test Report No.:	2406259-001	
Date Test Report	11-nov-24	Customer Code 00137
Acceptance:	2406259	Dear:
Arrival date sample	29-ott-24	LIMONTA SPA
Start date test	29-ott-24	via Cesare Battisti 15
End date test	11-nov-24	23845 COSTA MASNAGA (LC) Italia
References:		C.a. sig.ra Daniela Marucci
		Phone: +39 031 857471
Sampling Mode:	Sampling by Customer	
[C] Item:	ESPEN	
[C] Declared Composition:	100% Trevira CS	
[C] End use:	furnishing	
[C] Typology:	fabric	
Return:	no requested	

Test Results

Test	Method	U.M.	Result
15196 PREPARATION OF MATERIALS FOR BURNING BEHAVIOUR TESTS: BRUSHING IN DETERGENT SOLUTION	UNI 9176: 1998 - Metodo D		.
Start date test	04/11/2024		
End date test	05/11/2024		
Instrument:	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
15036 REACTION TO FIRE OF FURNITURE BY APPLYING A SMALL FLAME	UNI 9175:1987 + A1:1994		.
Start date test	06/11/2024		
End date test	11/11/2024		
Instrument:	Small Test Rig and burner		
Pretreatment carried out			sample was submitted to brushing, as above described
Upholstery filling test result (flame 20 s)			not done, see note
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 ³ (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			CLASS 1.IM
Deviations from the method			none

The Results contained in this Report 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. 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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Test Report No.: **2406259-001**

Test	Method	U.M.	Result
Annex n.			1F
Details of the test results related to each specimen can be seen in the annex of this test report.			

The Laboratory Manager

Fausto Albonico

END OF REPORT

The Results contained in this Report 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. 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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Allegato n. 1F al rapporto di prova n. / Annex n. 1F to test report n. 2406259-001

DETTAGLIO DEI RISULTATI DI PROVA
DETAILS OF TEST RESULTS

Prova eseguita in conformità a UNI 9175: 1987 + UNI 9175 FA-1:1994

Reazione al fuoco di mobili imbottiti sottoposti all'azione di una piccola fiamma

Test carried out according to UNI 9175: 1987 + UNI 9175 FA-1:1994

Reaction to fire of upholstered furnitures by applying a small flame

Dettagli di prova / Test Details

Imbottitura / Upholstery filling	Schiuma poliuretanica IGNIFUGA con densità di 35 kg/m ³ <i>Fire-retardant polyurethane foam with a density of 35 kg/m³</i>
Rivestimento esterno / Outer cover	vedasi descrizione articolo / <i>see article description</i>
Pretrattamento del campione Sample pretreatment:	campione è stato sottoposto a spazzolatura secondo la UNI 9176 (1998) - Metodo D / <i>sample was submitted to brushing according to UNI 9176:1998</i>
Condizionamento del campione Conditioning of test specimen	24h at 20 ± 2 °C, 65 ± 5 % r.h

PROVE SU ASSEMBLAGGIO

	applicazione fiamma / <i>flame application time</i>		
	20 s	80 s	140 s
serie provette <i>sample series</i>	Tempo post-combustione <i>Post-combustion time (s)</i>	Tempo post-combustione <i>Post-combustion time (s)</i>	Tempo post-combustione <i>Post-combustion time (s)</i>
PRIMA SERIE – longitudinale FIRST SERIES - lengthwise	12	38	42
SECONDA SERIE – trasversale SECOND SERIES - transverse	19	43	44
TERZA SERIE – longitudinale THIRD SERIES - lengthwise	-	-	-
ESITO / RESULT	POSITIVO/POSITIVE	POSITIVE/POSITIVE	POSITIVO/POSITIVE

AL CAMPIONE VIENE ATTRIBUITA LA CLASSE 1.IM / SAMPLE MEET THE CLASS 1.IM

Note / Notes:

Il risultato è considerato positivo quando il tempo di post-combustione risulta inferiore ai 120 s e la provetta non è bruciata completamente

La prova viene effettuata sulla terza serie di provini solo in caso di risultati discordi fra le prime due serie.

The result of the test is "POSITIVE" if the afterflame time is less than 120 s and the specimen is not completely burnt.

The test of third series is necessary if the results between the first and the second series are different.

Criteri di classificazione/Classification criteria

classe 1.IM: viene attribuita al manufatto se si ha esito positivo a seguito di applicazione di fiamma pari a 20 - 80 e 140 s

is attributed to the sample if the test is successful with the flame application time of 20 – 80 and 140 s

classe 2.IM: viene attribuita al manufatto se si ha esito positivo a seguito di applicazione di fiamma pari a 20 s e 80 s

is attributed to the sample if the test is successful with the flame application time of 20 s and 80 s

classe 3.IM: viene attribuita al manufatto se si ha esito positivo solo a seguito di applicazione di fiamma pari a 20 s

is attributed to the sample if the test is successful only with the flame application time of 20 s

NON classificabile: attribuito al manufatto se si ha esito negativo a seguito di applicazione di fiamma pari a 20 s

is attributed to the sample if the test fails the flame application time of 20 s

Il Responsabile Laboratorio
The Laboratory Manager

Fausto Albonico