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TEST REPORT

Report nr.: **1803953-001**
Report date: **11-lug-18**
Acceptance code: **1803953**
Acceptance date: **09-lug-18**
Start test date: **09-lug-18**
End test date: **11-lug-18**
References: **---**

Customer code: 5485

To:
MARIO SIRTORI SPA
via Papa Giovanni XXIII 10
23845 COSTA MASNAGA (LC)
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To the attention of:
sig. Sergio Sala Crist
Tel.nr: +39 031 879632
Fax.nr.: +39 031 855397

Article description: **LINVIRA CS**
Declared composition: **100% Trevira cs**
End use: **Furnishing**
Typology: **Fabric**
Return: **No requested**
Sampling by customer

The results reported herein refer to the tested samples only and do not involve any product approval by Centro Tessile Serico.
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TEST	M.U.	RESULTS
15566 UPHOLSTERY FURNITURE: assessment of the ignitability by SMOULDERING CIGARETTE		
Method:	UNI EN 1021-1:2014	
Instrument:	Small Test Rig for Flammability test	
Sample pretreatment:	sample wasn't submitted to any pretreatment	
Ignition source applied:	SMOULDERING CIGARETTE	
Materials of test assembly:	Upholstery filling: fire retardant polyurethane foam with a density of 35 kg/m ³ Inner cover: - Outer cover: SEE ARTICLE DESCRIPTION	
TEST RESULT:		SAMPLE PASSES THE TEST
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 ³ as filling of the upholstered seating. The test result could be different using another type of filling material.		
Annex n.:		1F



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Report nr.

1803953-001

TEST

M.U.

RESULTS

END OF TEST REPORT

Technical Head

Enrica Baldini



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Annex n. 1F to test report n. 1803953-001

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: **LINVIRA CS**

Declared composition: **100% Trevira cs**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m³**

Inner cover: -

Outer cover: **see article description**

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

Testing temperature and r.h.: **22°C and 74%r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment**

Date of test: **10/07/2018**

SMOULDERING CRITERIA:	first cigarette	second cigarette	Comments
Smouldering criteria:			
Unsafe escalating combustion	NO	NO	
Test assembly consumed	NO	NO	
Smoulders to extremities	NO	NO	
Smoulders through thickness	NO	NO	
Smoulders more than 1 h	NO	NO	Time elapsed between placing the cigarette and extinguishing 1 st cigarette = 22 min 2 nd cigarette = 25 min
In final examination, presence of active smouldering	NO	NO	
Flaming criteria:			
Evidence of flames	NO	NO	

YES = criteria observed

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 true 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%.

Technical Head

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TEST REPORT

Report nr.: **1803953-002**
Report date: **11-lug-18**
Acceptance code: **1803953**
Acceptance date: **09-lug-18**
Start test date: **09-lug-18**
End test date: **11-lug-18**
References: ---

Customer code: 5485

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To the attention of:
sig. Sergio Sala Crist

Tel.nr.: +39 031 879632
Fax.nr.: +39 031 855397

Article description: **LINVIRA CS**
Declared composition: **100% Trevira cs**
End use: **Furnishing**
Typology: **Fabric**
Return: **No requested**
Sampling by customer

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TEST	M.U.	RESULTS
15576 UPHOLSTERY FURNITURE: assessment of the ignitability by MATCH FLAME EQUIVALENT		
Method:	UNI EN 1021-2:2014	
Instrument:	Small Test Rig and burner for Flammability test	
Sample pretreatment:		
sample wasn't submitted to any pretreatment		
Ignition source applied:		
MATCH FLAME EQUIVALENT		
Materials of test assembly:		
Upholstery filling: fire retardant polyurethane foam with a density of 35 kg/m ³		
Inner cover: -		
Outer cover: SEE ARTICLE DESCRIPTION		
TEST RESULT:		SAMPLE PASSES THE TEST
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 ³ as filling of the upholstered seating. The test result could be different using another type of filling material.		
Annex n.:		1F



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Report nr.

1803953-002

TEST

M.U.

RESULTS

END OF TEST REPORT

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Annex n. 1F to test report n. 1803953-002

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: **LINVIRA CS**

Declared composition: **100% Trevira cs**

Materials of test assembly:

Upholstery filling: **fire-retardant polyurethane foam with a density of 35 kg/m³**

Inner cover: -

Outer cover: **see article description**

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

Testing temperature and r.h.: **22 °C and 74% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment**

Date of test: **10/07/2018**

SMOULDERING CRITERIA:	1st test	2nd test	3rd test	Comments
Smouldering criteria:				
Unsafe escalating combustion	NO	NO	NO	
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	Time smouldering: 1st test: 12 s 2nd test: 10 s 3rd test: 13 s
In final examination, presence of active smouldering	NO	NO	NO	
Flaming criteria:				
Unsafe escalating combustion	NO	NO	NO	
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	Time flaming: 1st test: 0 s 2nd test: 0 s 3rd test: 0 s

YES = criteria observed

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 true 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%.

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