

Test Report No.:	<b>2207322-005</b>	
Date Test Report	<b>26-ott-22</b>	Customer Code 05485
Acceptance:	<b>2207322</b>	Dear:
Arrival date sample	<b>20-ott-22</b>	<b>MARIO SIRTORI SPA</b>
Start date test	<b>20-ott-22</b>	via Papa Giovanni XXIII 10
End date test	<b>26-ott-22</b>	23845 COSTA MASNAGA (LC) Italia
References:		C.a. sig. Sergio Sala Crist
		Phone: +39 031 879632
Sampling Mode:	Sampling by Customer *	
[C] Item: <b>BALMORAL GRS</b> [C] Declared Composition: <b>41% RPL - 19% PL - 18% WV - 15% RCO - 6% CO - 1% RAF</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>UNI EN 1021-1:2014</b>		.
Start date test	21/10/2022		
End date test	24/10/2022		
Instrument:	Small Test Rig and burner		
Test carried out on			COVER FABRIC
Pretreatment carried out			none
Ignition source			source 0 (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

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LAB N° 0045 L

Test Report No.: **2207322-005**

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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Annex n. 1F to test report n. 2207322-005

## 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**

Sample description: **BALMORAL GRS**

Declared composition: **41% RPL - 19% PL - 18% WV - 15% RCO - 6% CO - 1% RAF**

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.: **18°C – 66% r.h.**

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

Date of test: **24.10.2022**

<b>SMOULDERING CRITERIA:</b>	<b>1<sup>st</sup> cigarette</b>	<b>2<sup>nd</sup> cigarette</b>	<b>3<sup>rd</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> 10 min (**) 2 <sup>nd</sup> 18 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	-	

(\*\*) = Partial combustion of the cigarette

**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 truth is equal to 95%.*

The Laboratory Manager  
Fausto Albanico



Test Report No.:	<b>2207322-006</b>	
Date Test Report	<b>26-ott-22</b>	Customer Code 05485
Acceptance:	<b>2207322</b>	Dear:
Arrival date sample	<b>20-ott-22</b>	<b>MARIO SIRTORI SPA</b>
Start date test	<b>20-ott-22</b>	via Papa Giovanni XXIII 10
End date test	<b>26-ott-22</b>	23845 COSTA MASNAGA (LC) Italia
References:		C.a. sig. Sergio Sala Crist
		Phone: +39 031 879632
Sampling Mode:	Sampling by Customer *	
[C] Item:	<b>BALMORAL GRS</b>	
[C] Declared Composition:	<b>41% RPL - 19% PL - 18% WV - 15% RCO - 6% CO - 1% RAF</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>		.
Start date test	21/10/2022		
End date test	24/10/2022		
Instrument:	Small Test Rig and burner		
Test carried out on			COVER FABRIC
Pretreatment carried out			none
Ignition source			source 1 (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
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.: **2207322-006**

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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Annex n. 1F to test report n. 2207322-006

## 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*

Sample description: **BALMORAL GRS**

Declared composition: **41% RPL - 19% PL - 18% WV - 15% RCO - 6% CO - 1% RAF**

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.: **18°C – 66% r.h.**

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

Date of test: **24.10.2022**

<b>SMOULDERING CRITERIA:</b>	<b>1<sup>st</sup> test</b>	<b>2<sup>nd</sup> test</b>	<b>3<sup>rd</sup> test</b>	<b>Comments</b>
<b>Smouldering criteria:</b>				
Unsafe escalating combustion	NO	NO	NO	Time smouldering: 1st test: 10 s 2nd test: 12 s 3rd test: 11 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: 0 s 2nd test: 0 s 3rd test: 1s
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	

**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 truth is equal to 95%.*