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LAB N° 0045 L

TEST REPORT

Report nr.: **2001083-001**

Report date: **17-feb-20**

Acceptance code: **2001083**

Acceptance date: **13-feb-20**

Start test date: **13-feb-20**

End test date: **17-feb-20**

References: ---

Customer code: 5485

To:
MARIO SIRTORI SPA
via Papa Giovanni XXIII 10
23845 COSTA MASNAGA (LC)
Italia

To the attention of:
sig. Sergio Sala Crist

Tel.nr.: +39 031 879632

Fax.nr.: +39 031 855397

Sampling by customer

Article description:

ORSETTO

Declared composition:

**34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4%
Cotton - 4% Flax**

End use:

Furnishing

Typology:

Fabric

Return:

No requested

The results reported herein refer exclusively to the tested sample as received and do not involve any product approval by Centro Tessile Serico. This document may not be reproduced other than in full, except with the prior written approval of the issuing Laboratory. The informations as Article Description, Declared Composition and Tipology listed above are data supplied by the Customer for which this Laboratory declines any responsibility.

| 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: | | |
| source 0 (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 - 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 ³ as filling of the upholstered seating. The test result could be different using another type of filling material. | | |
| Annex n.: | | 1F |

(*) = the tests marked with asterisk are not accredited by Accredia.



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LAB N° 0045 L

Report nr.

2001083-001

TEST

M.U.

RESULTS

END OF TEST REPORT

Technical Head

Enrica Baldini

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Annex n. 1F to test report n. 2001083-001

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: **ORSETTO**

Declared composition: **34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4% Cotton - 4% Flax**

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.: **19°C, 32% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant**

Date of test: **17.02.2020**

| 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 20 min 2 nd 22 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

Enrica Baldini



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LAB N° 0045 L

TEST REPORT

Report nr.: **2001083-002**
 Report date: **17-feb-20**
 Acceptance code: **2001083**
 Acceptance date: **13-feb-20**
 Start test date: **13-feb-20**
 End test date: **17-feb-20**
 References: ---

Customer code: 5485

To:
MARIO SIRTORI SPA
via Papa Giovanni XXIII 10
23845 COSTA MASNAGA (LC)
Italia

To the attention of:

sig. Sergio Sala Crist

Tel.nr.: +39 031 879632

Fax.nr.: +39 031 855397

Sampling by customer

Article description:

ORSETTO

Declared composition:

**34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4%
 Cotton - 4% Flax**

End use:

Furnishing

Typology:

Fabric

Return:

No requested

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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 because it wasn't chemically treated with flame retardant.

Ignition source applied:

source 1 (MATCH FLAME EQUIVALENT)

Materials of test assembly:

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

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/m³ 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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LAB N° 0045 L

Report nr.

2001083-002

TEST

M.U.

RESULTS

----- END OF TEST REPORT -----

Technical Head

Enrica Baldini

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Annex n. 1F to test report n. 2001083-002

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: **ORSETTO**

Declared composition: **34% Viscose - 33% Acrylic - 17% Wool - 8% Polyester - 4% Cotton - 4% Flax**

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.: **19°C, 31% r.h.**

Sample pre-treatment: **sample wasn't submitted to any pretreatment because it wasn't chemically treated with flame retardant**

Date of test: **17.02.2020**

| 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: 1s 2nd test: 2s 3rd test: 2s |
| 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: 0s 2nd test: 0s 3rd test: 0s |

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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