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LAB N° 0045 L

TEST REPORT

Report nr.: **2000327-001**

Report date: **27-gen-20**

Acceptance code: **2000327**

Acceptance date: **20-gen-20**

Start test date: **20-gen-20**

End test date: **27-gen-20**

References: ---

Customer code: 5485

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To the attention of:

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Sampling by customer

Article description: **DARWIN**

Declared composition: **58% Viscose - 31% Cotton - 11% 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
15066 UPHOLSTERY FURNITURE: assessment of the ignitability by SMOULDERING CIGARETTE		
Method:	NFPA 260:2019	
Instrument:	Mock-up Tester	
Test executed on:		COVER FABRIC
Ignition source applied:		
SMOULDERING CIGARETTE		
Materials of test assembly:		
Upholstery filling: NON fire retardant polyurethane foam with a density of 28 kg/m ³		
Inner cover: -		
Outer cover: SEE ARTICLE DESCRIPTION		
TEST RESULT:		SAMPLE MEETS THE CLASS 1 REQUIREMENT

Note: to assess the ignitability of this sample, the test has been carried out using a NON fire-retardant polyurethane foam with a density of 28 kg/m³ 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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TEST

M.U.

RESULTS

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

Technical Head

Enrica Baldini

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Annex n. 1F to test report n. 2000327-001

DETAILS OF TEST RESULTS

Test executed according to NPFA 260:2019
Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture

Sample description: **DARWIN**

Declared composition: **58% Viscose - 31% Cotton - 11% Flax**

Conditioning of test specimen and ignition source: **21 ± 2,8 °C, <65% r.h.**

Testing temperature and r.h.: **19°C, 36% r.h.**

Filling specification: **NON FIRE-RETARDANT polyurethane foam with a density of 28 kg/m³**

Date of test: **22.01.2020**

Specimen number	1	2	3
Total combustion of the cigarette (YES / NO)	YES	YES	YES
Time of progressive smouldering from placement of the source (min)	34	34	37
Size of the damage in the vertical direction (mm)	16	13	15
Obvious ignition occurs (YES / NO)	NO	NO	NO
CIGARETTE TEST RESULT (Class I/Class II)	Class I	Class I	Class I

Cover Fabric Classification (ref. NFPA 260:2019)

CLASS I

When subjected to the cover fabric test, a specimen shall show no evidence of ignition of any test assembly. The vertical char on any of the three specimens shall not exceed 45 mm.

CLASS II

Cover fabrics that do not meet Class I criteria shall be designated as Class II.

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 true observation 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

