Intertek
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FLAMMABILITY TEST REPORT

Report No.: LEI20090954A Supplementary | **Date Received:** 07/09/20 | **Date Tested:** 11/09/20 | **1st Date Issued:** 11/09/20 **Supplementary Issued:** 20/10/20

Company Name & Address: ARISTIDE
NACHTEGAALSTRAAT 109
B-2550 KONTICH
BELGIUM

Contact Name: PIETER-JAN DEBUSSCHERE

Sample Details

Order No.:	Not stated
Description:	Leon
Colour:	Not stated
Supplier:	Not stated
End Use:	Not stated
Ref. / Style No.:	Not stated
Quality:	Not stated
Batch No.:	Not stated
Number of Samples:	Not stated
Quoted Fibre Content:	Not stated
Sample Description:	Brown coloured woven fabric

Test Method	Pre Treatment	Flammability Performance Requirements	Result
IMO FTP Code (2010) – Annex 1, Part 8 (Smouldering cigarette test)	None	IMO FTP Code (2010) – Annex 1, Part 8	**PASS**
IMO FTP Code (2010) – Annex 1, Part 8 (Propane flame test)	None	IMO FTP Code (2010) – Annex 1, Part 8	**PASS**

~~STEVEN OWEN~~	ANDREW HALLETT	~~CAROLE SPOWART~~	~~GREGORY JAMES~~
~~(Technical & Operational Excellence Manager)~~	(Flammability Team Leader)	~~(Flammability Administrator)~~	~~(Flammability Technician)~~

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Additional Information (Annex)

Name and Address of the Sponsor:	Not stated
Name and Address of the Manufacturer/Supplier (If known):	Not stated
Type of Furniture:	Not stated
Fabric Details – Weave/Density/Yarn count/thickness(mm)/mass(g/m²) Colour & Tone:	Not stated
Fire Retardant Treatment:	Not stated

Uncertainty of Measurement

The uncertainty of measurement for Ignition source 0 has been estimated to be 0.03%

The uncertainty of measurement for Ignition source 1 has been estimated to be 5.43%

Test Specification

Test Method:	IMO FTP Code (2010) – Annex 1, Part 8
Ignition Source:	Ignition source 0: Filterless cigarette Ignition source 1: Propane Gas (95% Purity) flowing at 6.38±0.25 g/hour @ 20°C.
Flame Application Time:	20±1 seconds
Side Tested:	Face

Cigarette Specification

Cigarette Type:	Filterless cigarette
Dimensions:	Length: 70±4 mm Diameter: 8±0.5 mm
Mass:	0.95±0.15 g
Smouldering Rate:	11±4.0 min/50mm

Filling Specification (As requested by the customer)

Filling Type:	Polyurethane Foam
Supplier / Grade:	Carpenter / RP21130 Unmodified
Size:	450 X 300 X 75mm (back) & 450 X 150 X 75mm (seat)
Density / Hardness:	20-22 kg/m^3 / Type B, 130N

Pre-treatment / Durability procedure

None. Tested as received

Conditioning

Prior to Testing:	At least 72 hours in ambient indoor conditions, then at least 16 hours in an atmosphere having a temperature of 23±2°C and a relative humidity of 50±5%
At Time of Testing:	Temperature between 15°C & 25°C. Relative humidity between 20% & 70%

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Test Results

"The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use."

Cigarette Test	Initial		Repeat	
Criterion of Ignition				
Smoulders More Than 1 Hour	-		-	
In Final Examination, Presence of Active Smouldering	-		-	
Occurrence Of Flames	-		-	
Comments				
Flaming Ceased	-		-	
Glowing Ceased	-		-	
Smoke Ceased	< 20 Minutes		< 21 Minutes	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	13	60	13	70
Damage to Base (mm) Length / Width	11	65	13	70
Result	**PASS**		**PASS**	

Propane Flame Test	Initial		Repeat	
Criterion of Ignition				
Smoulders More Than 1 Hour	No		No	
In Final Examination, Presence of Active Smouldering	No		No	
Flames For Longer Than 120 Seconds	No		No	
Comments				
Flaming Ceased	0 Seconds		0 Seconds	
Glowing Ceased	-		-	
Smoke Ceased	19 Seconds		18 Seconds	
Extent of Damage (Burning and/or Charring)				
Damage to Back (mm) Length / Width	75	20	85	20
Damage to Base (mm) Length / Width	11	13	11	12
Result	**PASS**		**PASS**	

Conclusions

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the smouldering cigarette test in FTP Code (2010) – Annex 1, Part 8. **PASS.**

When tested over RP21130 foam (as requested by the customer) the sample meets the flammability performance requirements of the butane flame test in FTP Code (2010) – Annex 1, Part 8. **PASS.**

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Revisions To Test Report:

Sample Details	Original Detail(s)	Revised Detail(s)
Company Name & Address:	LANCASHIRE TESTING SEVICES LTD UNIT 26/27 LYON ROAD INDUSTRIAL ESTATE KEARSLEY BL4 8NB	ARISTIDE NACHTEGAALSTRAAT 109 B-2550 KONTICH BELGIUM
Contact Name:	PETER COLLINGS	PIETER-JAN DEBUSSCHERE

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor of k = 2, providing a level of confidence of approximately 95 %. Unless otherwise specified all compliance and pass/fail statements are binary simple acceptance based on the tolerance interval and, with the exception of graded methods, a test uncertainty ratio greater (TUR) than 4:1. For graded methods the TUR will drop to as low as 0.5:1 when the tolerance limits are within a grade division of the upper scale limit. The Uncertainty budgets are stated for each Test method, these are for reference, and should be considered when results are on or close to Specification Limits / Requirements and in such cases it should be noted that the risk of false acceptance or rejection may be as high as 50%, for further information please refer to ILAC G8.