

**LANCASHIRE TESTING SERVICES LIMITED**

Lyon Road Industrial Estate : Kearsley : Bolton

Lancashire : BL4 8NB

Tel: +44 (0) 1204 792858

Email: enquiries@ltslab.co.uk

[www.ltslab.co.uk](http://www.ltslab.co.uk)

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**TEST CERTIFICATE**

<b>CLIENT:</b>	Aristide NV Nachtegaalstraat BE-BE2550 Kontich Belgium - -	<b>Certificate Number:</b>	<b>UK2201567-3</b>
		<b>Date Received:</b>	08/11/2022
		<b>Date Issued:</b>	14/11/2022
		<b>Issue Number:</b>	<b>1</b>
		Changes made from previous issue (if applicable)	
<b>Contact:</b>	Pieter-Jen Debusschere		
<b>Tel:</b>	+32 3 458 05 94		
<b>Email:</b>	info@aristide.be		

**SAMPLE IDENTIFICATION**

The information in this section is provided by the client and Lancashire Testing Services Ltd assumes no responsibility or liability for its accuracy.

Sample Name / Reference	Romulus
Additional Names:	-
Batch Ref/Number:	B9572010001
Order Number:	-
Colour:	60
Fabric Composition:	41% Recycled Polyester, 37% Polyester, 13% Modacrylic, 6% Recycled Cotton, 3% Polyamide
Customer:	-

**SPECIFICATION**

BS EN 1021-1:2014 Part 1: Ignition source smouldering cigarette

**TEST METHOD**

Flammability:	BS EN 1021-1:2014 Part 1: Ignition source smouldering cigarette BS EN 1021-2:2014 Part 2: Ignition source match flame equivalent
Pre-treatment:	BS EN 1021-1:2014 Annex D - Water soaking procedure

**Conclusion**

The sample tested complies with the flammability requirements of BS EN 1021-2:2014 Smouldering Cigarette Source taking into account uncertainty of measurement

The sample tested complies with the flammability requirements of BS EN 1021-2:2014 Butane Ignition Source taking into account uncertainty of measurement

Uncertainty of Measurement:  $\pm 1$  second - timing measurements,  $\pm 1$ mm - dimensional measurements**Comments:**

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**TEST CERTIFICATE****Test Results:-****BS EN 1021-1:2014: Smouldering Cigarette Source****Assessment of the ignitability of upholstered furniture**

*"The following 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 materials in use."*

Sample Code	UK2201567 -3				
Sample Name / Reference	Romulus				
Client	Aristide NV				
Date of test	14/11/2022				
Pre-Treatment	BS EN 1021-1:2014 Annex D - Water soaking procedure 0				
Filling Type	Carpenter/RX36110 Combustion Modified Foam Density 34-36kg/m <sup>3</sup> /105-115N				
Size of test rig	Small: Back - 450 x 300 ± 2mm + Seat - 450 x 150 ± 2mm				
Test Conditions	Period h	Temperature °C	Relative humidity %	Air Flow m/s	Volume m <sup>3</sup>
Conditioning of test specimens	≥24	23±2	50±5	≤0.2	-
Testing conditions	-	10-30	15-80	0.03	≥6
Testing Source	Smouldering Cigarette Source				
Testing time limit	60 minutes after placement of smouldering cigarette.				
	Test 1	Test 2	Test 3*		
Time for cigarette to smoulder to completion (min:sec)	16.42	17.37	N/A		
3.1a Escalating combustion behaviour observed so that it was unsafe to continue the test and active extinction was necessary	N/A	N/A	N/A		
3.1b Smouldering which largely consumed the test assembly within the test period	N/A	N/A	N/A		
3.1c Smouldering to the extremities of the specimen, upper or lower margins, either side or to its full thickness, within the duration of the test	N/A	N/A	N/A		
3.1d Smouldering after one hour from the beginning of the test	N/A	N/A	N/A		
3.1e On final examination, evidence of active smouldering	N/A	N/A	N/A		
3.2 Occurrence of flames initiated by a smouldering source	N/A	N/A	N/A		
<b>Test Result:</b>	<b>PASS</b>	<b>PASS</b>	<b>NOT TESTED</b>		

<b>RESULT:</b>	<b>SMOULDERING CIGARETTE SOURCE</b>	<b>PASS</b>
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Please note that copies of this original certificate are not valid

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This report relates only to the sample tested and does not guarantee the bulk of the material to be of equal quality



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**TEST CERTIFICATE**

<b>Test Results:-</b>				
<b>BS EN 1021-2:2014: Butane Source 1</b>				
<b>Assessment of the ignitability of upholstered furniture</b>				
<i>"The following 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 materials in use."</i>				
Sample Code	UK2201567 -3			
Sample Name / Reference	Romulus			
Client	Aristide NV			
Date of test	14/11/2022			
Pre-Treatment	BS EN 1021-1:2014 Annex D - Water soaking procedure 0			
Filling Type	Carpenter/RX36110 Combustion Modified Foam Density 34-36kg/m <sup>3</sup> /105-115N			
Size of test rig	Small: Back - 450 x 300 ± 2mm + Seat - 450 x 150 ± 2mm			
Test Conditions	-	Temperature °C	Relative humidity %	Air Flow m/s
Conditioning of test specimens	≥24	23±2	50±20	≤0.2
Testing conditions	-	10-30	15-80	0.03
Testing Source	Butane Flame Ignition Source 1			
Testing time limit	2 minutes after removal of burner tube (120 seconds)			
	Test 1	Test 2	Test 3*	
Time for flames out (sec)	0	0	0	
3.1a/3.2a Escalating combustion behaviour observed so that it was unsafe to continue the test and active extinction was necessary	N/A	N/A	N/A	
3.1b Smouldering which largely consumed the test assembly within the test period	N/A	N/A	N/A	
3.1c Smouldering to the extremities of the specimen, upper or lower margins, either side or to its full thickness, within the duration of the test	N/A	N/A	N/A	
3.1d Smouldering after one hour from the beginning of the test	N/A	N/A	N/A	
3.1e On final examination, evidence of active smouldering	N/A	N/A	N/A	
3.2b Smouldering which largely consumed the test assembly within the test period	N/A	N/A	N/A	
3.2c Flame Front reached the extremities of the specimen, upper or lower margins, either side or to its full thickness, within the duration of the test	N/A	N/A	N/A	
3.2d flaming continued for more than 120 seconds after removal of the burner tube	N/A	N/A	N/A	
<b>Test Result:</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	
<b>RESULT:</b>	<b>BUTANE IGNITION SOURCE 1</b>		<b>PASS</b>	

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**TEST CERTIFICATE**

**Certificate Number: UK2201567-3**

**Date of Issue: 14/11/2022**

<b>Craig Allardice</b> Laboratory Technician	<b>Tony Alcock</b> Laboratory Technician	<b>John Marsh</b> Laboratory Supervisor	<b>Peter Collings</b> Operations Manager

**Decision Rule:**

Lancashire Testing Services have measurement uncertainties for all test standards (available on request) and have applied these measurements to the test result.

The specific level of risk is < 2.5% as stated in ILAC-G8:09/2019. Unless otherwise indicated L.T.S will apply this rule to all measurements reported.

If the measurement result plus/minus the expanded uncertainty with a 95 % coverage probability overlaps the limit, it is not possible to state compliance or non-compliance. The measurement result and the expanded uncertainty with a 95 % coverage probability will then be reported. The report will include the actual value with the uncertainty range.

Lancashire Testing Services Ltd have conducted thorough analysis of the uncertainty of all measurements carried out in the application of the standard or standards detailed in this report. Where possible any associated uncertainty of measurements have been accounted for in the working instructions, so that they have no impact on the reporting of the final result. In instances where uncertainty of measurements can only be taken into account after the test has been conducted, these uncertainty values have been stated on this report. The stated uncertainty of measurement has also been taken into account in the final reporting of the overall result.

Information provided about a customer, from a source other than the customer, shall only be shared with the customer. The provider of the information shall remain confidential to the laboratory unless agreed by the source of the information.

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