

Lyon Road Industrial Estate: Kearsley: Bolton Lancashire: BL4 8NB Tel: +44 (0) 1204 792858 Email: enquiries@ltslab.co.uk

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TEST CERTIFICATE

CLIENT: Camira Fabrics Certificate Number:

UK2101283-1

Meltham Mills, Meltham

Huddersfield

Date Received:

19/11/2021

HD9 4AY

Date Issued:

23/11/2021

Issue Number:

Changes made from previous issue (if applicable)

Rebecca Grimes Contact: Tel: 01924 481366

Email: rebecca.grimes@camirafabrics.com

SAMPLE IDENTIFICATION

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

Sample Name / Reference

Aquarius + FR Treatment (Z)

Additional Names:

Batch Ref/Number: 482117 Order Number: 83A14574

Colour: Fabric Composition:

Customer:

SPECIFICATION

BS7176:2007 + A1:2011 Medium Hazard

TEST METHOD

Flammability: BS EN 1021-1:2006: Ignition source smouldering cigarette

BS EN 1021-2:2006: Ignition source match flame equivalent

BS5852:2006 Crib Ignition Source 5

BS5852:2006 Annex E - Water soaking procedure Line Dried during day at ambient Pre-treatment:

Conclusion

HAZARD CATEGORY TESTED TO: MEDIUM HAZARD

The sample tested complies with the flammability requirements of BS7176:2007 + A1:2011 for the hazard category stated above taking into account uncertainty of measurement

HAZARD CATEGORY FLAMMABILITY

MEDIUM HAZARD **CRITERIA MET:**

Uncertainty of Measurement: ±1 second - timing measurements, ±1mm - dimensional measurements

Comments:



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Test Results:-					
BS EN 1021-1:2006: Smoo	ulderina Cio	parette Source			
Assessment of the ignital					
"The following test results relate of			aterials under the particular o	conditions of tes	t; they are
not intended as a means of asses					.,
Sample Code	UK2101283	-1			
Sample Name / Reference	Aquarius + FR	Treatment (Z)			
Client	Camira Fabrics				
Date of test	23/11/2021				
Pre-Treatment	BS5852:2006 Annex E - Water soaking procedure				
	Line Dried during day at ambient temperature				
Filling Type	Carpenter/RX36110 Combustion Modified Foam Density 34-36kg/m³ /105-115N				
Size of test rig	Small: Back -	450 x 300 ± 2mm + Seat - 450	0 x 150 ± 2mm		
Test Conditions	Period h	Temperature ºC	Relative humidity %	Air Flow m/s	Volume m ³
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				st 3	
Time for cigarette to smoulder to completion (min:sec)		21.01	21.58	N/A	
3.1a Escalating combustion behaviour observed so that it was unsafe to continue the test and active extinction was necessary		NO	NO	N/A	
3.1b Smouldering which largely consumed the test assembly within the test period		NO	NO	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		NO	NO	N/A	
3.1d Smouldering after one hour from the beginning of the test		NO	NO	N/A	
3.1e On final examination, evidence of active smouldering		NO	NO	N/A	
3.2 Occurrence of flames initiated by a smouldering source		NO	NO	N/A	
Test Result:		PASS	PASS	NOT TESTED	

RESULT:	SMOULDERING CIGARETTE SOURCE	PASS
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					<u>_</u>		
Test Results:-							
BS EN 1021-2:2006: But	ane Source 1	_					
Assessment of the ignit	ability of uph	olstered furniture					
"The following test results relate				the particular	conditions of tes	t; they are	
not intended as a means of asse		tential fire hazard of the mate	rials in use."				
Sample Code		-1					
Sample Name / Reference	Aquarius + FR	Treatment (Z)					
Client	Camira Fabric	s					
Date of test	23/11/2021						
Pre-Treatment	BS5852:2006	Annex E - Water soaking pro	cedure				
	Line Dried dur	ing day at ambient temperatu	re				
Filling Type	Carpenter/RX3	86110 Combustion Modified F	oam Density 3	4-36kg/m³ /10	05-115N		
Size of test rig	Small: Back -	450 x 300 ± 2mm + Seat - 45	0 x 150 ± 2mm				
Test Conditions	-	Temperature ⁰C	Relative h	umidity %	Air Flow m/s	Volume m ³	
Conditioning of test specimens	≥24	23±2	50:	±20	≤0.2	-	
Testing conditions	-	10-30	15	-80	0.03	≥6	
Testing Source	Butane Flame Ignition Source 1						
Testing time limit	2 minutes after removal of burner tube (120 seconds)						
a.ee a		Test 1	Ì	st 2	Tes	st 3	
Time for flames out (sec)		_					
		0	())	
3.1a/3.2a Escalating combustion behaviour							
observed so that it was unsafe to continue the		NO	N	0	N	0	
test and active extinction was ne	ecessary						
3.1b Smouldering which largely consumed the		NO	l N	NO NO		0	
test assembly within the test period							
3.1c Smouldering to the extremities of the specimen, upper or lower margins, either side or to		NO	NO		N	NO	
its full thickness, within the duratio		NO	NO			O	
3.1d Smouldering after one hour from the beginning						_	
of the test		NO	NO NO		0		
3.1e On final examination, evidence of active						NC	
smouldering		NO	NO		N	0	
3.2b Burning which larely consumed the test							
assembly within the test period		NO	NO		N	NO	
			+ + + + + + + + + + + + + + + + + + + +				
3.2c Flame Front reached the lower margins, either side or to its full thickness, within the duration of		NO	NO N		0		
the test	ic duration of	140	'`	O	'`	O	
3.2d flaming continued for more than 120 seconds after removal of the burner tube		NO	N	NO NO		0	
Test Result:		PASS	PΔ	ASS PAS		SS	
			ļ.		_!		
RESULT: BUTANE IGNITION		IGNITION SOURCE	E 1		PASS		



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Test Results:-

BS5852:2006 Clause 11 - Crib Ignition Source 5

Methods of test for the ignitability of upholstered seating by smouldering and flaming ignition

"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	UK2101283 -1					
Sample Name / Reference	Aquarius + FR Treatment (Z)					
Client	Camira Fabrics	3				
Date of test	23/11/2021					
Pre-Treatment	Water Soak to	BS5852:2006 Annex E				
	Line Dried during day at ambient temperature					
Filling Type	Carpenter/RX36110 Combustion Modified Foam Density 34-36kg/m³ /105-115N					
Size of test rig	Small: Back - 450 x 300 ± 2mm + Seat - 450 x 150 ± 2mm					
Test Conditions	Period h	Temperature ⁰C	Relative humidity %	Air Flow m/s	Volume m ³	
Conditioning of test specimens	≥24	23±2	50±20	-	-	
Testing conditions	-	10-30	15-80	≤0.2	≥6	
Testing Source	Crib Ignition Source 5					
Testing time limit	10 minutes after	er ignition of the crib				
			Test 1	Tes	Test 2	
Time for cessation of flaming (min.sec)			3.43	3.9	3.58	
Did the composite continue flaming beyond 10 minutes after the ignition of the crib?			NO	NO		
Did the composite produce externally detectable amounts of smoke, heat or glowing 60 min after ignition of the crib?			NO	NO		
Did the composite display escalating combustion behaviour so that it is unsafe to continue the test and requires forcible extinction?			NO	NO		
Did the composite smoulder or burn until it is essentially consumed within the duration of the test			NO	NO		
Did the flame frony reach the lower margin, either side or pass through the full thickness of the specimen within the duration of the test?			NO	NO		
On final examination did the composite show evidence of charring other than discoloration, more the 100mm in any direction apart from upwards from the nearest part of the original position of the source			NO	NO		
Test Result:			PASS	PA	PASS	

RESULT:	CRIB IGNITION SOURCE 5	PASS

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Certificate Number: UK2101283-1 Date of Issue: 23/11/2021

	AMHack		PColling
Craig Allardice	Tony Alcock	John Marsh	Peter Collings
Laboratory Technician	Laboratory Technician	Laboratory Supervisor	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 were 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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