

**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>	Agua Fabrics Ltd Hyde House The Hyde London NW9 6LH -	<b>Certificate Number:</b>	<b>UK1800047 -4</b>
		<b>Date Received:</b>	23/01/2018
		<b>Date Issued:</b>	31/01/2018
		<b>Issue Number:</b>	1
<b>Contact:</b>	Suzanne Ralton	Changes from previous issue (if applicable)	
<b>Tel:</b>	020820500050	_____	
<b>Email:</b>	suzanne@aguafabrics.com		

**SAMPLE IDENTIFICATION**

Sample Name / Reference: Lunar  
Order / Batch No: Jan 2018 Vinyl FR Testing  
Customer: Agua Fabrics Ltd  
Fabric Composition: PVC  
Colour: -  
Quality: Lunar  
Width: 140cm

**SPECIFICATION**

BS7176:2007 + A1:2011 - Medium Hazard

**TEST METHOD**

Flammability: BS EN 1021-1:2006 Part 1: Ignition source smouldering cigarette  
BS EN 1021-2:2006 Part 2: Ignition source match flame equivalent  
BS 5852:2006 Crib Ignition source 5  
Pre-treatment: None-Requested

**Conclusion**

The composite tested: **Complies** with the flammability requirements of:  
BS 7176:2007 + A1:2011 Medium hazard, taking into account uncertainty of measurement.

**Comments and Observations:**

-Cigarettes did not burn to completion

Please note that copies of this original certificate are not valid



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**TEST CERTIFICATE**

<b>Test Results:-</b>						
<b>BS7176:2007 + A1:2001 - Medium Hazard - Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites</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	UK1800047 -4					
Sample / Name Reference	Lunar					
Client	Agua Fabrics Ltd					
Date of test	31/01/2018					
Pre-Treatment	None-Requested - at ambient temperature					
Filling Type	Carpenter/RX36110 unmodified polyurethane foam of density 33Kg/m3/Type B, 130					
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	≥16	23±2	50±5	-	-	
Testing conditions	-	10-30	15-80	0.02-0.2	>20	
Testing Source	BS EN 1021-1:2006 Smouldering Cigarette Source					
Testing time limit	60 minutes after placement of smouldering cigarette.					
Test No.	Position	Ignition/N on Ignition	Duration of: (min.sec)			Smouldering and flaming criteria exceeded: (If any)
			Ignition Source	Flames	Smoke	
1	RHS	NI	1.57	-	2.11	-
2	M	NI	2.39	-	3.14	-
3	LHS	NI	3.09	-	3.24	-
Testing Source	BS EN 1021-2:2006 Match flame ignition source					
Testing time limit	2 minutes after removal of burner tube (120 seconds)					
Test No.	Position	Ignition/N on Ignition	Duration of: (sec)			Smouldering and flaming criteria exceeded: (If any)
			Ignition Source	Flames	Smoke	
1	LHS	NI	15	16	24	-
2	M	NI	15	16	24	-
3	RHS	NI	15	16	23	-
<b>RESULT: SMOULDERING CIGARETTE SOURCE</b>						<b>PASS</b>
<b>MATCH FLAME IGNITION SOURCE</b>						<b>PASS</b>
KEY: I = Ignition, NI = Non Ignition, LHS = Left hand side, M = Middle, RHS = Right hand side						

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**Issue Number: 1**

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

**Test Results:-****BS7176:2007 + A1:2001 - Medium Hazard - Specification for resistance to ignition of upholstered furniture for non-domestic seating by testing composites***"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	UK1800047 -4									
Sample Reference	='PRETEST INFORMATION'!F19									
Client	Agua Fabrics Ltd									
Date of test	31/01/2018									
Pre-Treatment	None-Requested -									
Filling Type	Carpenter/RX36110 unmodified polyurethane foam of density 33Kg/m3/Type B, 130									
Size of test rig	Large: Back - 450 x 450 ± 2mm + Seat - 450 x 300 ± 2mm									
Test Conditions	Period h	Temperature °C	Relative humidity %	Air Flow m/s	Volume m <sup>3</sup>					
Conditioning of test specimens	≥16	23±2	50±5	-	-					
Testing conditions	-	10-30	15-80	0.02-0.2	>20					
Testing Source	BS 5852:2006 Crib Ignition source 5									
Testing time limit	10 minutes after ignition of crib. Observed for 60 minutes in total.									
Test No.	Position	Ignition/N on Ignition	Duration of: (min.sec)		Extent of Damage to component: mm					
			Flames	Smoke	Horizontal			Vertical		
					Width	Length	Depth	Width	Depth	
1	M	NI	4.26	6.15	108	83	31	99	36	
2	M	NI	5.13	6.53	49	68	25	94	29	
<b>RESULT:</b>		<b>CRIB IGNITION SOURCE 5</b>						<b>PASS</b>		

KEY: I = Ignition, NI = Non Ignition, LHS = Left hand side, M = Middle, RHS = Right hand side

Test No.	Time for: (sec)		
	Ignition of test pieces	Cover Splitting	Extinction
1	-	-	-
2	-	-	-

On behalf of Lancashire Testing Services :

Tony Alcock,  
Laboratory Technician:John Marsh,  
Laboratory Technician:Peter Collings,  
Operations Manager:

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**Issue Number: 1**

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