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

UKAS TESTING
9630

TEST CERTIFICATE

CLIENT:	Agua Fabrics Ltd Hyde House The Hyde London NW9 6LH -	**Certificate Number:**	**UK2301804-1**
		Date Received:	19/10/2002
		Date Issued:	23/10/2023
		Issue Number:	**1**
		Changes made from previous issue (if applicable)	
Contact:	Suzanne Ralton		
Tel:	020820500050		
Email:	suzanne@aguafabrics.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	Fusion
Additional Names:	-
Batch Ref/Number:	-
Order Number:	-
Colour:	-
Fabric Composition:	PVC Vinyl
Customer:	Agua Fabrics Ltd

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
Pre-treatment:	None Requested

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
CRITERIA MET: **MEDIUM HAZARD**

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

Comments: Both cigarettes did not burn to completion

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 Results:-

BS EN 1021-1:2006: 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	UK2301804 -1
Sample Name / Reference	Fusion
Client	Agua Fabrics Ltd
Date of test	23/10/2023
Pre-Treatment	None Requested
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 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	0.05	≥6

Testing Source	Smouldering Cigarette Source
Testing time limit	60 minutes after placement of smouldering cigarette.

	Test 1	Test 2
Time for cigarette to smoulder to completion (min:sec)	7.19	8.29
3.1a Escalating combustion behaviour observed so that it was unsafe to continue the test and active extinction was necessary	NO	NO
3.1b Smouldering which largely consumed the test assembly within the test period	NO	NO
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
3.1d Smouldering after one hour from the beginning of the test	NO	NO
3.1e On final examination, evidence of active smouldering	NO	NO
3.2 Occurrence of flames initiated by a smouldering source	NO	NO
Test Result:	**PASS**	**PASS**

RESULT:	**SMOULDERING CIGARETTE SOURCE**	**PASS**

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TEST CERTIFICATE

Test Results:-

BS EN 1021-2:2006: Butane Source 1

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	UK2301804 -1
Sample Name / Reference	Fusion
Client	Agua Fabrics Ltd
Date of test	23/10/2023
Pre-Treatment	None Requested
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	-	Temperature ºC	Relative humidity %	Air Flow m/s	Volume m^3
Conditioning of test specimens	≥24	23±2	50±20	≤0.2	-
Testing conditions	-	10-30	15-80	0.05	≥6

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	NO	NO	NO
3.1b Smouldering which largely consumed the test assembly within the test period	NO	NO	NO
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	NO
3.1d Smouldering after one hour from the beginning of the test	NO	NO	NO
3.1e On final examination, evidence of active smouldering	NO	NO	NO
3.2b Burning which larely consumed the test assembly within the test period	NO	NO	NO
3.2c Flame Front reached the lower margins, either side or to its full thickness, within the duration of the test	NO	NO	NO
3.2d flaming continued for more than 120 seconds after removal of the burner tube	NO	NO	NO
Test Result:	**PASS**	**PASS**	**PASS**

RESULT:	**BUTANE IGNITION SOURCE 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 sources

"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	UK2301804 -1
Sample Name / Reference	Fusion
Client	Agua Fabrics Ltd
Date of test	23/10/2023
Pre-Treatment	None Requested
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 ºC	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 ignition of the crib

	Test 1	Test 2
Time for cessation of flaming (min.sec)	3.49	4.12
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**	**PASS**

RESULT:	**CRIB IGNITION SOURCE 5**	**PASS**

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TEST CERTIFICATE

Certificate Number: **UK2301804-1** **Date of Issue:** **23/10/2023**

Craig Allardice Laboratory Technician	**Tony Alcock** Laboratory Technician	**John Marsh** Laboratory Supervisor	**Peter Collings** 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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