

TEST CERTIFICATE

DATE SUBMITTED: 04-MARCH-2016
DATE ISSUED: 17-MARCH-2016
REPORT NO: 35607
COMPANY ORDER NUMBER: Not Stated

CUSTOMER CONTACT NAME: ROBERT WALTON
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COMPANY: AGUA FABRICS
HYDE HOUSE
THE HYDE
LONDON
NW9 6LH

CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION: Not Stated
QUALITY / BATCH REF: Agua Aries
SAMPLE DESCRIPTION: Not Stated
SAMPLE END USE: Upholstery
MANUFACTURER: Not Stated

INTERNATIONAL MARITIME ORGANIZATION

The was carried out in accordance with ANNEX 1, PART 8 of the 2010 FTP CODE - Test Upholstered Furniture. Performance Criteria (Smouldering Cigarette & Flame Ignition Source Test)

LAUNDERING PROCEDURE:

The Sample was tested following the appropriate conditioning requirements.

CONDITIONING PRIOR TO TESTING:

The materials to be tested and the cigarettes shall be conditioned immediately before the test for 72 h in indoor ambient conditions and then for at least 16 h in an atmosphere having a temperature of $23 \pm 2^{\circ}\text{C}$ and a relative humidity of $50 \pm 5\%$.

Authorised signatures:

Signed:  v

Zeb Alam
Technical Manager

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UPHOLSTERY FILLING FOR SMOULDERING CIGARETTE & MATCH FLAME:

GRADE: Non Fire - Retardant Foam
 APPROX DENSITY: 20 – 22 kg per m³
 APPROX HARDNESS RANGE: 130 N

SIZE OF TEST RIG:
 BACK JUNCTION: 450+/-2 mm x 300+/-2 mm
 SEAT JUNCTION: 450+/-2 mm x 150+/-2 mm

PROCEDURE:
 The sample was mounted over the foam described above using the test rig as specified in 2010 FTP Code Annex 1 Part 8 Clause 4 Apparatus

TESTING ENCLOSURE AND ATMOSPHERE:

The samples were tested in a substantially draught-free environment, having a temperature of 20 ± 5°C and a relative humidity of 20% to 70% the testing enclosure volume was greater than 20m³

SMOULDERING CIGARETTE USED

An untipped cigarette, complying with the following requirements:

Length 70 ± 4 mm
 Diameter 8 ± 0.5 mm
 Mass 0.95 ± 0.15 g
 Smouldering rate 11 ± 4.0 min/50 mm

REQUIREMENTS:

Ignition Source:	Smouldering Cigarette
Progressive Smouldering (detected within duration):	1 h after ignition of cigarette
Flaming (detected within duration):	1 h after ignition of cigarette
Ignition Source:	Butane Flame
Progressive Smouldering (maximum duration):	120 seconds after ignition of burner
Flaming (maximum Duration):	120 seconds after ignition of burner

DATE OF TEST: 14-March-2016
 Fire test carried out by: Zeb Alam

RESULTS: These 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.

Observation of test:

Ignition Sources		Position	Duration of		Special Features of Burning		Extent of damage to component			
							Vertical (mm)		Horizontal (mm)	
			Flames (minutes)	Smouldering (minutes)	Charring	Melting	Length	Width	Length	Width
Test 1	Cigarette	LHS	00.00	Failed to Smoulder	Yes	Yes	N/A	N/A	N/A	N/A
Test 2	Cigarette	RHS	00.00	Failed to Smoulder	Yes	Yes	N/A	N/A	N/A	N/A
Test 1	Flame	LHS	00.00	00.00	Yes	Yes	73	17	19	15
Test 2	Flame	RHS	00.00	00.00	Yes	Yes	60	18	15	17

LHS=Left Hand Side M= Middle RHS= Right Hand Side Toc = Top of Composite

COMMENTS & OBSERVATIONS:

The sample tested **complies with the flammability criteria** of the FTP Code Annex 1 Part 8 Test Method for Ignitability by Smokers Materials of Upholstered Composites for seating.

Cigarette Test: **MEETS CRITERIA**
 Match Flame Test: **MEETS CRITERIA**