

# FRONTIER MEDICAL SCREENS MEDIUM HAZARD CERTIFICATE



Early  
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## FLAMMABILITY TEST CERTIFICATE – 70505 Amended

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**DATE RECEIVED:** 05/10/2018  
**DATE TESTED:** 16/10/2018  
**DATE ISSUED:** 03/12/2018  
**PO NUMBER:** 938

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**SAMPLE DESCRIPTION:** VITA (C)  
**COLOUR:** AMERICANO  
**QUALITY/BATCH REF:** VITA (C)  
**MODEL REF:** CALL 8348  
**COMPOSITION:** NOT STATED  
**SAMPLE END USE:** SEATING  
**MANUFACTURER:** NOT STATED  
**SUPPLIER/BUYER:** NOT STATED

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### SPECIFICATION/REQUIRMENT:

BS 7176:2007+A1:2011 – Specification for the resistance to ignition of upholstered furniture for non-domestic seating by testing composites. (Medium Hazard)

### TEST METHOD(S):

BS EN 1021-1:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Ignition source smouldering cigarette.

BS EN 1021-2:2006 – Furniture – Assessment of the ignitibility of upholstered furniture. Ignition source match flame equivalent.

BS 5852:2006 – Methods of test for the assessment of the ignitibility of upholstered seating by smouldering and flaming ignition sources.

### PRE-TREATMENT:

Water Soak procedure in accordance with Annex D of BS EN 1021-1:2006 & Annex E of BS 5852:2006

### CONDITIONING:

The sample was conditioned for 72 hrs in ambient conditions then for at least 24 hrs in a specified atmosphere at  $23 \pm 2^{\circ}\text{C}$  and  $50 \pm 5\%$  r h.

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Authorised By:



Zeb Alam  
Operations Director

Mark Jones  
Quality Manager

Karen Brooks  
Managing Director

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## TEST RESULTS:

“The Following test results relate only to the ignitibility of the combination of the 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.”

TEST CRITERIA – 1021-1 (CIGARETTE TEST)	INITIAL TEST	REPEAT TEST
FILLING MATERIAL USED:	CMHR 35	CMHR 35
Smouldering ceased	FAILED TO SMOULDER	FAILED TO SMOULDER
<b>PROGRESSIVE SMOULDERING CRITERIA (3.1)</b>		
Unsafe escalating combustion (3.1a)	N	N
Smoulders to extremities (3.1b)	N	N
Smoulders through thickness (3.1c)	N	N
Smoulders for more than 1 hr (3.1d)	N	N
Presence of active smouldering on final examination? (3.1e)	N	N
Evidence of melting, charring, dripping?	Melting: <input checked="" type="checkbox"/>	Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/>
<b>FLAMING CRITERIA (3.2)</b>		
Cover Split?	N	N
Occurrence of flames?	N	N
<b>TEST RESULT</b>	<b>PASS</b>	<b>PASS</b>

TEST CRITERIA – 1021-2 (MATCH TEST)	1 <sup>st</sup> Test	2 <sup>nd</sup> Test	3 <sup>rd</sup> Test
FILLING MATERIAL USED:	CMHR 35	CMHR 35	CMHR 35
Flaming ceased	0.0	0.0	0.0
<b>PROGRESSIVE SMOULDERING CRITERIA (3.1)</b>			
Unsafe escalating combustion (3.1a)	N	N	N
Smoulders to extremities (3.1b)	N	N	N
Smoulders through thickness (3.1c)	N	N	N
Smoulders for more than 1 hr (3.1d)	N	N	N
Evidence of melting, charring, dripping?	Melting: <input checked="" type="checkbox"/>	Charring: <input checked="" type="checkbox"/> Dripping: <input type="checkbox"/>	
<b>FLAMING CRITERIA (3.2)</b>			
Unsafe escalating combustion (3.2a)	N	N	N
Test assembly consumed (3.2b)	N	N	N
Flaming to extremities and thickness (3.2c) (3.2d)	N	N	N
Flaming continued for more than 120 seconds	N	N	N
Cover split?	N	N	N
<b>TEST RESULT</b>	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>

Please note: the test results issued on this certificate refer only to the item tested and therefore doesn't relate to the lot or batch of the product / sample. This test certificate shall not be duplicated. Textile Innovation House, 1 Lyons Road, Trafford Park, Manchester, M17 1RN T: 0161 50 50 650 E: [technical@ifs-labs.com](mailto:technical@ifs-labs.com)



## FLAMMABILITY TEST CERTIFICATE – 70505 Amended

TEST RESULTS continued:

TEST CRITERIA – BS 5852:2006 Source 5	INITIAL TEST	REPEAT TEST
Flaming Ceased:	04.02	04.26
<b>PROGRESSIVE SMOULDERING CRITERIA (4.1)</b>		
<b>FILLING MATERIAL USED:</b>	CMHR 35	CMHR 35
b) Detectable amounts of smoke, heat or glowing 60 mins after crib ignition?	N	N
c) Displays unsafe escalating combustion, requires to be forcibly extinguished?	N	N
d) Smouldering consumed the test specimen within the duration of the test?	N	N
e) Smoulder to the extremities i.e. upper or lower margins, either side or to its full thickness?	N	N
f) On final inspection, any evidence of charring more than 100 mm in any direction (apart from upwards) from the original nearest position?	N	N
<b>FLAMING CRITERIA (4.2)</b>		
b) Flaming continued for more than 10 minutes after the ignition of the crib?	N	N
c) Displays unsafe escalating combustion, requires to be forcibly extinguished?	N	N
d) Flaming and/or smouldering consumed the test specimen within the duration of the test?	N	N
e) Flame front reaches the lower margin, either side or passes through the full thickness?	N	N
<b>TEST RESULTS</b>	<b>PASS</b>	<b>PASS</b>

### CONCLUSION:

The sample supplied **meets** the test criteria of BS 7176:2007 + A1:2011 (Medium Hazard)

END OF REPORT