

**DIVERSIFIED**  
**TESTING LABORATORIES, INC.**  
WORLDWIDE SERVICE

“We Test Per Your Request”

336 WEST FRONT STREET  
P.O. BOX 4004  
BURLINGTON, NORTH CAROLINA 27215  
PHONE (336) 227-7710 • FAX (336) 227-1175  
www.diversifiedtestinglabs.com

January 23, 2015

Reference: Laboratory Test Report  
Lab Identification No. 13507  
Invoice No. 44310 (Attached)

Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE**, was received and tested in accordance with the Department of Transportation, Federal Aviation Administration Regulations for Compartment Interiors, Part 25.853 Appendix F Part I, Section (a) (1) (ii) (12 Second Ignition). The results are as follows:

<u>Specimen Identification</u>	<u>Afterflame (Seconds)</u>	<u>Drippings (Seconds)</u>	<u>Burn Length (Inches)</u>
1	0.0	0.0	4.7
2	0.0	0.0	4.5
3	<u>0.0</u>	<u>0.0</u>	<u>4.7</u>
Avg.	0.0	0.0	4.5

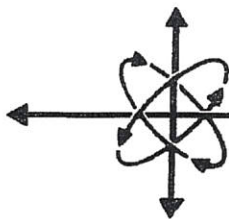
The sample submitted *meets* the minimum requirements of Section (a) (1) (ii) (Vertical Test). The average burn length may not exceed 8.0 inches, the average afterflame time may not exceed 15.0 seconds, and the drippings may not average more than 5.0 seconds.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr  
Attachment



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January 23, 2015

Reference: Laboratory Test Report  
Lab Identification No. 13507  
Invoice No. 44310 (Attached)

Dear Ms. Hedges:

One (1) sample, identified as GUIDELINE, was received and tested in accordance with the California Technical Bulletin 117-2013, Section 1, Cover Fabric Test. The results are as follows:

Test Results - Char

8mm	9mm	15mm
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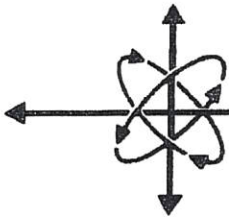
The sample submitted **meets** the requirements of the above standard. There were no ignitions or smoldering after 45 minutes on any of the three specimens tested. In addition, none of the three test specimens displayed a char which was greater than 45 mm.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE**, was received and tested in accordance with the NFPA 260, "Cigarette Ignition Resistance of Components of Upholstered Furniture, 2009 Edition", (Cover Fabric Test). The results are as follows:

<u>Test Results</u>		
<u>Vertical Char Lengths</u>		
9mm	15mm	9mm

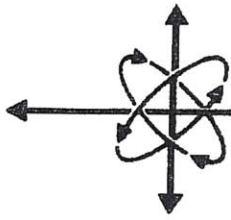
The sample submitted **meets** the requirements of the above standard and may be considered a **Class I Cover Fabric**. There were no ignitions on any of the three specimens tested. In addition, none of the three test specimens displayed a vertical char which was equal to or greater than 45 mm.

If there are any questions or when we can be of further assistance, please let us know.

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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE**, was received and tested in accordance with the UPHOLSTERED FURNITURE ACTION COUNCIL Fabric Classification Test Method--1990. The results are as follows:

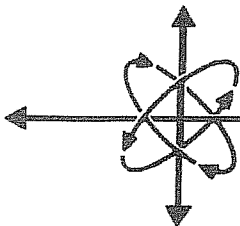
<u>Test Results</u>		
<u>Vertical Char Lengths</u>		
9mm	15mm	9mm
<u>Class</u>		
I		

If there are any questions or when we can be of further assistance, please let us know.

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Reference: Laboratory Test Report  
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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE**, was received and tested in accordance with the Department of Transportation, Federal Aviation Administration Regulations for Compartment Interiors, Part 25.853 Appendix F Part I, Section (a) (1) (ii) (12 Second Ignition). The results are as follows:

<u>Specimen Identification</u>	<u>Afterflame (Seconds)</u>	<u>Drippings (Seconds)</u>	<u>Burn Length (Inches)</u>
1	0.0	0.0	4.7
2	0.0	0.0	4.5
3	<u>0.0</u>	<u>0.0</u>	<u>4.7</u>
Avg.	0.0	0.0	4.5

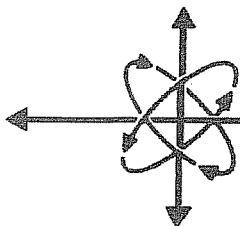
The sample submitted *meets* the minimum requirements of Section (a) (1) (ii) (Vertical Test). The average burn length may not exceed 8.0 inches, the average afterflame time may not exceed 15.0 seconds, and the drippings may not average more than 5.0 seconds.

If there are any questions or when we can be of further assistance, please let us know.

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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE**, was received and tested in accordance with the Federal Test Method Standard No. 191A, Method 5903.1, "Flame Resistance of Cloth; Vertical". The results are as follows:

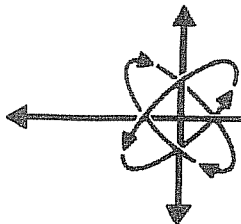
<u>Specimen Number</u>	<u>After Flame (sec)</u>		<u>After Glow (sec)</u>		<u>Char Length (in)</u>	
	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>
1	0.0	0.0	0.0	0.0	3.7	3.8
2	0.0	0.0	0.0	0.0	3.7	3.6
3	0.0	0.0	0.0	0.0	3.6	3.0
4	0.0	0.0	0.0	0.0	3.8	3.4
5	0.0	0.0	0.0	0.0	3.5	3.4
Avg.	0.0	0.0	0.0	0.0	3.7	3.4

If there are any questions or when we can be of further assistance, please let us know.

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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE** was received and tested in accordance with **IMO 2010 FTP CODE - International Code for Application of Fire Test Procedures - Resolution MCS.307(88): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture**, “The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazards of the product in use.”

The sample submitted was tested to Section 3.1 Smouldering Cigarette Test. The results are as follows:

<u>Ignition Source</u>	<u>Test Results</u>
Smouldering Cigarette	#1 PASS (No flaming or progressive smouldering)
	#2 PASS (No flaming or progressive smouldering)

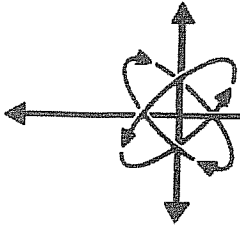
The sample submitted **meets** minimum requirements of the above standard when tested to the smouldering cigarette ignition source.

If there are any questions or when we can be of further assistance, please let us know.

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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE** was received and tested in accordance with **IMO 2010 FTP CODE - International Code for Application of Fire Test Procedures - Resolution MCS.307(88): Annex I - Fire Test Procedures, Part 8 - Test For Upholstered Furniture**, “The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazards of the product in use.”

The sample submitted was tested to Section 3.2 Propane Flame Test. The results are as follows:

<u>Ignition Source</u>	<u>Test Results</u>
Propane Flame	#1 PASS (No flaming or progressive smouldering)
	#2 PASS (No flaming or progressive smouldering)

The sample submitted **meets** minimum requirements of the above standard when tested to the propane flame ignition source.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE** was received and tested in accordance with the Federal Motor Vehicle Safety Standard No. 302. The results are as follows:

TEST RESULTS

The sample submitted stopped burning before it had burned for 60 seconds from the start of timing, and had not burned more than two (2) inches from the point where timing was started.

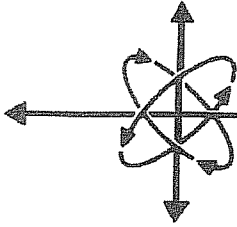
The sample submitted **meets** the minimum requirements of the above standard. Fabric cannot burn at a rate of more than 4.00 inches/minute.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

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Dear Ms. Hedges:

One (1) sample, identified as **GUIDELINE**, was received and tested in accordance with The Port Authority of New York and New Jersey, as per Federal Test Method Standard No. 191, Method 5903. The results are as follows:

<u>Specimen Number</u>	<u>After Flame (sec)</u>		<u>Residual Flame (sec)</u>		<u>Char Length (in)</u>	
	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>
1	0.0	0.0	0.0	0.0	2.0	3.1
2	0.0	0.0	0.0	0.0	3.2	2.9
3	0.0	0.0	0.0	0.0	3.4	3.2
4	0.0	0.0	0.0	0.0	3.3	3.2
5	0.0	0.0	0.0	0.0	3.1	2.8
Avg.	0.0				3.0	

The sample submitted **meets** the minimum requirements of the above standard. The average char length may not exceed 8.0 inches and the average afterflame of the specimens tested may not exceed 15.0 seconds. Additionally, there may be no residual flame which exceeds 5.0 seconds.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

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