



## DIVERSIFIED

TESTING LABORATORIES, INC.  
WORLDWIDE SERVICE

"We Test Per Your Request"

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April 9, 2014

Burch  
4200 Brockton Dr SE  
Grand Rapids, MI 49512

Reference: Laboratory Test Report  
Lab Identification No. 9904  
Invoice 40649 (Attached)

Dear Burch:

One (1) fabric sample, identified as SHOCKWAVE,  
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

11mm      15mm      16mm

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,

Bobby E. Puett

BEP/mr  
Attachment

Received: 04/10/2014 Completed: 04/10/2014 Letter: U JE P.O.#: AN00219074 Test Report #: 3-01600-0-RV

**Client's  
Identification**

Shockwave

Tested For: Burch  
4200 Brockton Dr SE  
Grand Rapids, MI 49512

Key Test: NFPA 260 Cover Fabric (BLDG)  
RVNC

Category: NFPA 260 Fabric LE 2013; R 10/13; V 10/13 PC: 4H dl/jd  
NFPA 101 LE 2012; R 7/12; V 7/12  
IFC LE 2012; R 6/12; V 6/12

TEST PERFORMED: NFPA 260 Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture;  
Cover Fabric Test

**SPECIMEN TEST COMPOSITE:**

Candidate cover fabric (see "Client's Identification")

Standard filling material: Non FR polyurethane foam, density 20 kg/m<sup>3</sup> to 25 kg/m<sup>3</sup>

**RESULTS:**

Specimen #	TEST	Char Length	RETEST (If Required)	Char Length
	Ignition (yes/no/SE)	On Vertical Panel (mm)	Ignition (yes/no/SE)	On Vertical Panel (mm)
1	No	16		
2	No	16		
3	No	17		

**ABBREVIATION WHICH MAY BE USED:**

SE = Indicates that the cigarette self extinguished prior to burning its entire length. When this occurs, a "retest" of that specimen is performed.

EC = Escalating combustion. Specimen extinguished by technician. No char length measurement taken.

**CLASSIFICATION SYSTEM:**

Class I - For each specimen: No obvious ignition; maximum char length 45 mm (1.75").  
(Indicates propensity to resist cigarette ignition in conjunction with standard foam filling material.)

Class II - For any specimen: Obvious ignition; or char length exceeding 45 mm (1.75").  
(Indicates inability to resist cigarette ignition in conjunction with standard foam filling material.)

CONCLUSION: Based on the above Results and Classification System, the item tested is assigned a:

[x] Class I rating; [ ] Class II rating



The  
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Received: 04/10/2014	Completed: 04/10/2014	Letter: U	JE	P.O.#: AN00219074	Test Report #: 3-01600-0-RV
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**Client's  
Identification**

Shockwave

**Tested For:** Burch  
4200 Brockton Dr SE  
Grand Rapids, MI 49512

**Key Test:** NFPA 260 Cover Fabric (BLDG)  
RVNC

REMARKS: None.

CODE INFORMATION: In accordance with --

- (1) The 2012 Edition of the NFPA Life Safety Code 101, paragraph 10.3.2.1(1); and
- (2) The 2012 Edition of the International Fire Code, paragraph 805.1.1.1, 805.2.1.1, 805.3.1.1, and 805.4.1.1

Upholstered furniture components shall be Class I when tested in accordance with NFPA 260, when used in:

Detention or correctional occupancy  
Health care occupancy  
Residential board & care occupancy  
College and university dormitories

COMMENTARY: The cigarette ignition source used in this test conforms to the physical parameters set forth in the test standard. The actual propensity of the cigarette (that is currently manufactured) to cause ignition of materials under test might be different than the cigarette that was manufactured at the inception of the test standard.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by NFPA 260.

AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC.

APR 17 2014

MS. PHYLLIS PETTIT

RV.04.16.14 /tm

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Received: 04/10/2014 Completed: 04/10/2014 Letter: UI JE P.O.#: AN00219074 Test Report #: 3-01600-1-RV

Client's  
Identification Shockwave

Tested For: Burch  
4200 Brockton Dr SE  
Grand Rapids, MI 49512

Key Test: UFAC Fabric RVNC

PC. 4H

TEST PERFORMED: UFAC Fabric Classification Test Method 1990  
Cigarette Ignition Resistance of Fabric Intended for Use in Upholstered Furniture

RESULTS:	TEST		RETEST (If Required)	
	Ignition (yes/no/SE)	Char Length on Vertical Panel (inches)	Ignition (yes/no/SE)	Char Length on Vertical Panel (inches)
Specimen #				
1	No	0.9		
2	No	0.7		
3	No	0.6		

ABBREVIATION WHICH MAY BE USED:

SE = Indicates that the cigarette self-extinguished prior to burning its entire length. When this occurs, a "retest" of that specimen is performed.

EC = Escalating combustion. Specimen extinguished by technician. No char length measurement taken.

CLASSIFICATION SYSTEM:

Class I - For each specimen: No obvious ignition; char length less than 1.75".  
(Indicates propensity to resist cigarette ignition in conjunction with standard foam filling material.)

Class II - For any specimen: Obvious ignition or char length 1.75" or greater.  
(Indicates inability to resist cigarette ignition in conjunction with standard foam filling material.)

RETEST PROVISION:

Applies only to cigarettes that self-extinguish. It does not apply to specimens which ignite or have a char length of 1.75" or greater.

CONCLUSION: Based on the above Results and Criteria, the item tested is assigned a:

☒ Class I rating; ☐ Class II rating





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Received: 04/10/2014	Completed: 04/10/2014	Letter: U1	JE	P.O.#: AN00219074	Test Report #: 3-01600-1-RV
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Client's Identification	Shockwave
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Tested For: Burch  
4200 Brockton Dr SE  
Grand Rapids, MI 49512

Key Test: UFAC Fabric RVNC

REMARKS: None.

COMMENTARY: The cigarette ignition source used in this test conforms to the physical parameters set forth in the test standard. The actual propensity of the cigarette (that is currently manufactured) to cause ignition of materials under test might be different than the cigarette that was manufactured at the inception of the test standard.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified by UFAC Fabric Classification Test Method 1990.

  
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AUTHORIZED SIGNATURE

THE GOVMARK ORGANIZATION, INC. /pm

APR 23 2014

RV.04.23.14 /tm

**MS. PHYLLIS PETTIT**

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