The Govmark Organization, Inc.

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Received: 10/03/2014	Completed: 10/06/2014	Letter: A	JB	P.O.#: BEA 2609	Test Report #: 3-04474-0-
Client's Identification	Design No: 218461019. Style: Novo 2/L.Kit. Content: 100% WO . LT. Date of Mfg: 2014.09.24. Product End Use: Upholstery Fabrics.				

Tested For: **Bente Ellingsoe, Quality Department**
Gabriel A/S
Hjulmagervej 55
DK-9000 Aalborg, Denmark

Key Test: CA TB 117-2013 (Section 1-Cover Fabric) 200
Tel: 011-45-9630-3100 **Ext:**
Fax: 011-45-9811-6125

CA TB 117 LE: 2013; R 03/12; V 03/12 PC: 24 hrs: 21°± 3°C; less than 55% RH SM/mg

TEST PERFORMED: California Technical Bulletin 117-2013 - Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture (June 2013 Version)

Section 1, Cover Fabric Test (Upholstery cover material is the outermost layer of fabric or related material used to enclose the main support system or upholstery materials, or both, used in the furniture item.)

REFERENCE: ASTM E1353-08ae1

IGNITION SOURCE: SRM 1196 Cigarette

SPECIMEN TEST COMPOSITE:

Upholstery Cover Material: As described in "Client's Identification".

Standard Substrate Material: Non FR polyurethane foam, density 1.8 ± 0.1 lb/ft³

BRIEF DESCRIPTION OF TEST: Miniature cushions are prepared using the client's cover fabric over the standard filling material. The vertical or back cushions measure 8" x 8" x 2". The horizontal or seat cushions measure 8" x 5" x 2".

A lighted cigarette is placed in the crevice formed by the vertical cushion and the horizontal cushion.

The test is terminated at 45 minutes if smoldering is no longer observed.

Test measurements and observations are recorded.

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PASS/FAIL/REPEAT CRITERIA: A material is considered to pass or fail based on the following criteria:

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:

   a) The mock-up test specimen continues to smolder after the 45 minute test duration;

   b) A vertical char length (measured as specified in step 11.9 of ASTM E1353-08ae1) of more than 1.8 inches (45 mm) develops on the cover fabric.

   c) The mock-up test specimen transitions to open flaming.

2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e., the cigarettes burn their entire length and the mock-ups are no longer smoldering.

3. If more than one initial specimen fails, the cover fabric fails the test.

4. If any one of the three initial specimens fails, repeat the test on additional three specimens.

5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test.

DISCUSSION: The current version of California Technical Bulletin 117-2013 has no provision to recognize cigarettes that self-extinguish prior to burning their entire length. However, ASTM E 1353 does recognize this phenomenon.

The Govmark report evaluates replacement cigarettes as follows:

If a cigarette self exinguishes (SE) before buning its entire length, a new cigarette is placed into the test. If the new (replacement) cigarette self-extinguishes or burns its entire length, the result for that specimen will then be evaluated as if the cigarette burned its entire length when assiging the "Passing/Failure" conclusion.

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RESULTS:

	Specimen #	Char Length (inches)	SE (yes/no)	SB45 (yes/no)	TOF (yes/no)
Initial:	1	0.5	No	No	No
	2	0.4	No	No	No
	3	0.4	No	No	No
Replacement: (If needed)	1				
	2				
	3				
Repeat Tests: (If needed)	1				
	2				
	3				

EXPLANATION:

Initial: These are the first 3 cigarettes where the results could be sufficient to draw a test conclusion.

Replacement: If any of the initial cigarettes self-extinguish before burning their complete length, a new test is conducted with a fresh cigarette.

Repeat Test: Depending on the initial or replacement results, 3 repeat tests might be required to draw a conclusion.

CODES USED:

SE = Cigarette self-extinguished; See "Discussion" on Page 2
SB45 = Smolder beyond 45 minutes
TOF = Transitions to open flaming
MNR = Measurement not recorded as smoldering exceeded 45 minutes or specimen transitioned to open flames

CONCLUSION:

The above results reported for the initial and / or replacement cigarettes are sufficient to indicate:

[x] Passing; [ ] Failure; [ ] Repeat test on 3 additional specimens

The results after conducting the repeat tests indicate:

[ ] Passing; [ ] Failure

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REMARKS: None.

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

AUTHORIZED SIGNATURE
THE GOVMARK ORGANIZATION, INC. / ec ltm

Douglas W. Lipp

OCT 0 9 2014

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