

Test Report

No. SDHG1501001017FB

Date: Jan.28, 2015

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FOSHAN ZHONG MENG SHENG YE OFFICE FURNITURE CO., LTD.
NO.6, GAOJIAO NANFANG INDUSTRIAL AREA, LONGJIANG TOWN, SHUNDE DISTRICT, FOSHAN CITY,
GUANGDONG PROVINCE, CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : SPONGE
Sample Receiving Date : Jan.19, 2015
Test Performing Date : Jan.19, 2015 to Jan.28, 2015

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	California Technical Bulletin 117-2013 Section 3	PASS	/
2	Determination of Flame Retardant(s) (TDCPP, TCEP, TCPP, TBB, TBPH, TPP, Penta-BDE, Octa-BDE, Deca-BDE, V6, MDPP, DBPP, TBPP, TMP, TDBPP/TRIS) content(s) of the selected parts in the submitted sample(s) with reference to the limit set in California Business and Professions (B&P) Code Section 19094 (SB1019)	PASS (See remark on next page)	/

For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Co., Ltd.



Irvette Zhang
Approved signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

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中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号楼首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

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Part 1

Test Conducted:

TB117 Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture-2013 Section 3-Resilient Filling Material Test

I. Sample Details

Material / Color:	Foam / White	Density of sample:	22.9 kg/m ³
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II. Test Condition

	Temperature	Relative humidity	Duration
Conditioning of test samples and cigarettes	(21±3) °C	RH < 55 %	24h

III. Acceptance Criteria:

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

- The mock-up test specimen continues to smolder after the 45 minute test duration;
- A vertical char length of more than 1.5 inches develops on the cover fabric.
- The mock-up test specimen transitions to open flaming.

2. The resilient filling material passes the test if three mock-up specimens pass the test.

3. If more than one specimen fails, the resilient filling material fails the test.

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

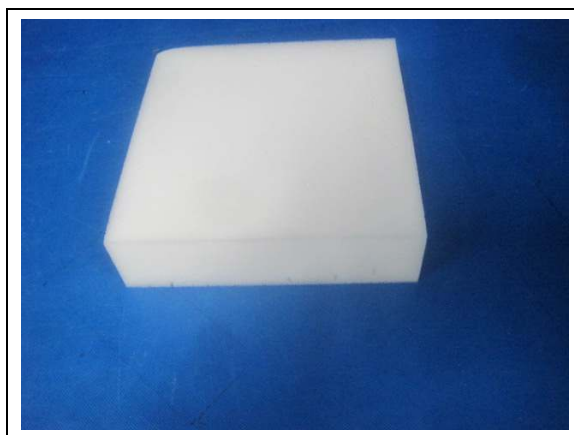
5. If all three additional specimens pass the test, the resilient filling material passes the test. If any one of the additional three specimens fails, the resilient filling material fails the test.

IV. Test Result

Specimen #	Duration of smouldering (min : sec.)	Open flaming (YES/NO)	Vertical Char Length (inches)	Rating
1	30min27s	NO	0.5	PASS
2	31min18s	NO	0.6	PASS
3	31min07s	NO	0.5	PASS

Conclusion: PASS

Photo Appendix:



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中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

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Part 2 (SGS Ref. No. CAN15-012264)

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN15-012264.001	White sponge

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Flame retardant(s)

Test Method : With reference to US EPA Method 3550C:2007 and US EPA Method 8270D: 2007, analysis was performed by GC-MS,HPLC-DAD/MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	001
Tris(1,3-dichloro-2-propyl) Phosphate(TDCPP)	13674-87-8	1000	mg/kg	5	ND
Tris(2-chloroethyl) Phosphate(TCEP)	115-96-8	1000	mg/kg	5	ND
Tris(1-chloro-2-propyl) Phosphate (TCPP)	13674-84-5	1000	mg/kg	5	ND
2-Ethylhexyl tetrabromobenzoate(TBB)	183658-27-7	1000	mg/kg	5	ND
Bis(2-ethylhexyl)-2,3,4,5-tetrabromophthalate(TBPH)	26040-51-7	1000	mg/kg	5	ND
Triphenyl Phosphate(TPP)	115-86-6	1000	mg/kg	5	ND
2,2-bis(chloromethyl)trimethylen ebis(bis(2-chloroethyl) phosphate) (V6)	38051-10-4	1000	mg/kg	5	ND
4-(tert-Butyl)phenyl diphenyl phosphate (MDPP)	56803-37-3	1000	mg/kg	5	ND
Bis(tert-Butylphenyl) phenyl phosphate (DBPP)	65652-41-7	1000	mg/kg	5	ND
tris-(4-tert-Butylphenyl) phosphate (TBPP)	78-33-1/ 28777-70-0	1000	mg/kg	5	ND



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Pentabromodiphenyl ethers (Penta-BDEs)	32534-81-9	1000	mg/kg	5	ND
Octabromodiphenyl ethers (Octa-BDEs)	32536-52-0	1000	mg/kg	5	ND
Decabromodiphenyl ether (Deca-BDE)	1163-19-5	1000	mg/kg	5	ND
Tris-(2,3-dibromopropyl) Phosphate(TRIS/TDBPP)	126-72-7	1000	mg/kg	5	ND
Trimethyl Phosphate (TMP)	512-56-1	1000	mg/kg	5	ND

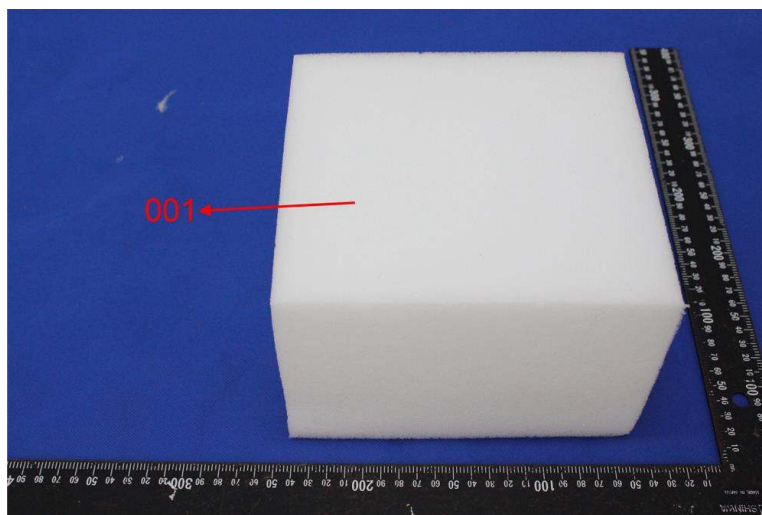
Comment

PASS

Note :

- (1) The maximum permissible limits are quoted from requirement as stated by California Business and Professions (B&P) Code Section 19094 (SB1019).

Photo Appendix:



Remark:

The PASS result indicates the tested chemicals are not added into the submitted sample, but does not mean the tested sample(s) contain(s) no added flame retardant chemicals as only limited amount of flame retardant chemicals are tested in this test report.

End of Report



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