Test Report Number: SHAH0165025301

Applicant: DXRACER TECHNOLOGY WUXI CO.,LTD
17TH FLOOR BUILDING C UNIT 2, NO.108
HUISHAN AVENUE, HUISHAN DISTRICT, WUXI
CITY, JIANGSU PROVINCE
Attn: LILY WU

Date: 15 Jan, 2024

Sample Description:

One(1) piece of submitted sample said to be :

Item Name	:	Cold foam sponge - AES
Packaging Provided By Applicant	:	No
Goods Exported To	:	Global
Country Of Origin	:	China.

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Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

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Conclusion:

Tested Sample	Standard	Result
Submitted Sample	Applicant's Requirement On Penta-BDE and Octa-BDE content	Pass
Submitted Sample	Applicant's Requirement On Deca-BDE content	Pass
Submitted Sample	Applicant's Requirement On PBDEs content	Pass
Submitted Sample	Applicant's Requirement On PFAS test	Pass
Submitted Sample	California Proposition 65 for Foam-cushioned upholstered furniture, Consent Judgement No. RG-667688-Flame retardants content	Pass
Submitted Sample	Flammability Test (California Technical Bulletin 117-2013 Section 3: Resilient Filling Material Test)	Pass

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Prepared And Checked By:
For Intertek Testing Services Wuxi Ltd.

Bill Zhang
General Manager

INTERTEK TESTING SERVICES WUXI LTD. 无锡天祥质量技术服务有限公司 检验检测专用章

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Tests Conducted

1 Penta-BDE and Octa-BDE Test

Solvent extraction, followed by Gas Chromatography-Mass Spectrometry (GC-MS) and High Performance Liquid Chromatography (HPLC) analysis.

Compound	Result (%, w/w)	Requirement (%, w/w) (Max.)
Pentabromodiphenylether (Penta-BDE)	ND	0.1
Octabromodiphenylether (Octa-BDE)	ND	0.1

Remark：Detection Limit = 0.0005%(w/w)
ND = Dot Detected

Date Sample Received：08 Jan, 2024
Testing Period：08 Jan, 2024 To 12 Jan, 2024

2 Deca-BDE Test

Solvent extraction, followed by Gas Chromatography-Mass Spectrometry (GC-MS) and High Performance Liquid Chromatography (HPLC) analysis.

Compound	Result (%, w/w)	Requirement (%, w/w) (Max.)
Decabromodiphenylether (Deca-BDE)	ND	0.1

Remark：Detection Limit = 0.0005%(w/w)
ND = Dot Detected

Date Sample Received：08 Jan, 2024
Testing Period：08 Jan, 2024 To 12 Jan, 2024

3 PBDEs Content

Solvent Extraction, Followed By Gas Chromatography-Mass Spectrometry (GC-MS) And High Performance Liquid Chromatography (HPLC) Analysis.

Compound	Result (%, w/w)	Requirement (%, w/w) (Max.)
Decabromodiphenylether (Deca-BDE)	ND	Not Detected
Polybrominated diphenylethers (PBDEs) except Deca-BDE	ND	Not Detected

Remark：Detection Limit = 0.0005%(w/w)
ND = Dot Detected

Date Sample Received：08 Jan, 2024
Testing Period：08 Jan, 2024 To 12 Jan, 2024

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Tests Conducted

4 PFAS Content Screening

With reference to EN 14582:2016 for Total Fluorine, by calorimetric bomb and determined by Ion Chromatography; In-house method for Total Inorganic Fluorine, by water extraction and determined by Ion Chromatography.

Test Item	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
Total Organic Fluorine (F) Content^	ND	20	100

The PFAS result was determined from the total organic Fluorine (F) content.

The limit was quoted according to Model Toxics in Packaging Legislation and Guidance Document on PFAS test (Toxics in Packaging Clearinghouse TPCH).

Remark：ND = Not detected (Less than Detection limit)
^ = Total organic fluorine is calculated by subtraction of inorganic fluorine value from the total fluorine value.

Date Sample Received：08 Jan, 2024
Testing Period：08 Jan, 2024 To 12 Jan, 2024

5 Flame Retardants Content

By solvent extraction and Gas Chromatography-Mass Spectrometry (GC-MS) analysis and Liquid Chromotography Mass Spectrometry (LC/MS) analysis.

Tested Compound	Result (ppm)	Limit (ppm)
Tris(2-chloroethyl) phosphate (TCEP)	ND	ND
Tris(1,3-dichloroisopropyl) phosphate (TDCPP)	ND	ND
Tris(2,3-dibromopropyl) phosphate (TDBPP)	ND	ND

Remark：The above California limit was quoted from the Consent Judgment No. RG-667688 settled by superior court of the State of California for the county of Alameda for Foam-cushioned upholstered furniture based on the California Proposition 65.

ND = Not detected
Detected Limit = 5 ppm
ppm = Parts per Million = mg/kg

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6 Flammability Test (California Technical Bulletin 117-2013 Section 3: Resilient Filling Material Test):

Test Method

The apparatus and method of testing were those described in California Technical Bulletin 117-2013, Section 3, for measuring the tendency of resilient filling materials to smolder and contribute to fire propagation, when covered with smolder resistant fabric and subjected to a smoldering ignition source.

Pass/Fail Criteria

A Resilient material is considered pass or fail based on 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 minutes test duration;
b) A vertical char length (measured as described in step 17.9 of ASTM E1353-08a ε1) of more than 1.5 inches (38 mm) develops on the cover fabric.
c) 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.

Test Result

Initial Test				
	Vertical Char length (Inches)	Mock-up specimen continues to smolder After 45 Minutes	Mock-up test specimen transitions to open flaming	Test Result
Specimen 1	0.8	No	No	Pass
Specimen 2	0.7	No	No	Pass
Specimen 3	0.8	No	No	Pass

Conditioning : At least 24 hours in an atmosphere having a temperature of 21° ± 3 °C (70° ± 5 °F) and less than 55% relative humidity

Remark : Yes = Was observed
No = Was not observed
* = Cigarette failed to burn its full length
** = Test suspended due to safety reasons caused by excessive smoldering.
# = Test suspended due to safety reasons since the mock-up specimen transitions to open flaming

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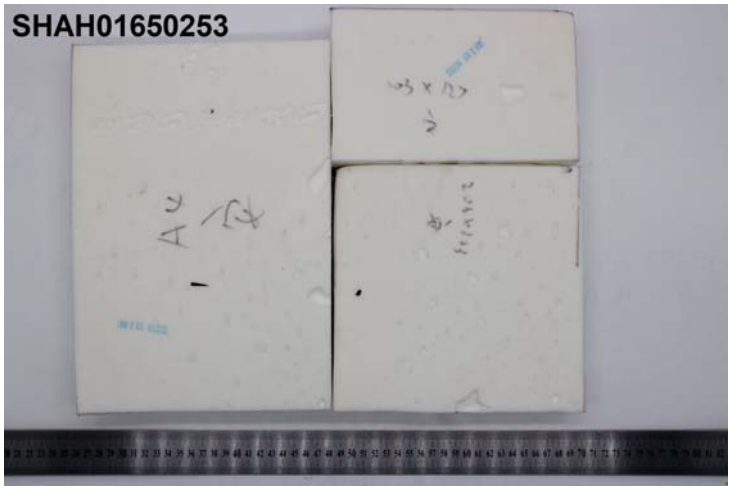
Tests Conducted

Photo



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End Of Report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band w = U) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) received and tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Wuxi Ltd.

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