



Test Report

Report No.: BZT20250700067CR

Issue Date: Jul.04, 2025

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Applicant: HUIZHOU MENDYS HOME FURNISHING CO.,Ltd
Address: Floor 6-7, Building B, Little Dolphin Science Park, Dong 'an Road, Shatian Town, Huiyang District, Huizhou City, Guangdong Province, China

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

Sample Name: Pocket spring Mattress
Sample Description: Pocket spring Mattress
Model No.: AM2502/AM2503
Labeled Age Grading: /
Age Group Assessed As Per Age Guideline: /
Age Group Applied in Testing: /
Manufactured Date: Jun.16, 2025
Manufacturer: HUIZHOU MENDYS HOME FURNISHING CO.,Ltd
Address: Floor 6-7, Building B, Little Dolphin Science Park, Dong 'an Road, Shatian Town, Huiyang District, Huizhou City, Guangdong Province, China
Trade mark: savanna
Sample Received Date: Jul.01, 2025
Testing Period: From Jul.01, 2025 to Jul.04, 2025
Test Result(s): Please refer to next page(s).
CPSC Lab ID: 1840

Signed for and on behalf of BZT Testing (Dongguan) Co., Ltd.



Scan QR code
verification of authenticity

Mark Wen
Technical Director

Security Code : 5RJWU01KV

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Test Requested and Conclusion(s):

Test Requested		Conclusion(s)
A	16 CFR Part 1632 -Standard for the Flammability of Mattresses and Mattress Pads (FF 4-72, Amended)	PASS
B	16 CFR Part 1633 -Standard for the Flammability (Open Flame) of Mattress Sets	PASS

Component List / List of Materials

Component No.	Description
1.	Pocket spring Mattress (Finished product)

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Test Result

A.16 CFR Part 1632-standard for the flammability of mattresses and mattress pads (ff 4-72, amended)

Summary of test method: The method measures the ignition resistance of a mattress or mattress pad by exposing the surface to lighted cigarettes in a draft-protected environment. The surfaces to be tested include smooth, tape edge, and quilted or tufted locations, if they exist on the mattress or mattress pad surface. A two-sheet test is also conducted on similar surface locations. In the latter test, the burning cigarettes are placed between the sheets.

§1632.4 Mattress test procedure.

§1632.5 Mattress pad test procedure.(Testing: All mattress pads shall be tested, in the condition in which they are intended to be sold, according to §1632.4 Mattress test procedure, using the glass fiberboard substrate.)

Test room: The test room atmospheric conditions shall be greater than 18°C (65 °F) and at less than 55 percent relative humidity.

Test requirements: Mattress specimens shall be tested in a test room with atmospheric conditions of a temperature greater than 18 °C (65 °F) and a relative humidity less than 55 percent. If the test is not performed in the conditioning room, at least one lit cigarette shall be placed on the mattress surface within 10 minutes of removal from the conditioning room. The other side of the mattress shall be tested immediately after completion of the first side.

Conditioning: The mattresses, laundered sheets or sheeting material, and loose cigarettes shall be conditioned in air at a temperature greater than 18 °C (65 °F) and a relative humidity less than 55 percent for at least 48 continuous hours prior to test. The mattresses, laundered sheets or sheeting material, and cigarettes shall be supported in a suitable manner to permit free movement of air around them during conditioning. The mattress meets this conditioning requirement if the mattress and/or all its component materials, except the metallic core, if present, have been exposed only to the above temperature and humidity conditions for at least 48 continuous hours prior to testing the mattress.

Sample	§1632.3(b) Test criteria	Test Result
1	When testing the mattress or mattress pad surface in accordance with the testing procedure set forth in § 1632.4 Mattress test procedure, individual cigarette test locations pass the test if the char length is not more than 2 inches (5.1 cm) in any direction from the nearest point of the cigarette. In the interest of safety, the test operator should discontinue the test and record a failure before reaching the 2 inch char length if an obvious ignition has occurred.	Pass

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Note / Key :

1. Test each of the six surfaces according to § 1632.4(d). If all the cigarette test locations on all six mattress surfaces yield passing results using the criterion specified in § 1632.3(b), accept the mattress prototype.
2. If all six surfaces of a mattress pad yield passing results using the criterion in §1632.3(b), and all other applicable requirements prescribed by § 1632.5 are met, accept the mattress pad prototype. If one or more of the cigarette test locations on any of the six surfaces fail to meet the test criterion of § 1632.3(b), reject the mattress prototype or the mattress pad prototype.
3. The cigarettes must be positioned no less than 6 inches apart on the mattress surface. Each cigarette used as an ignition source shall be well lighted but not burned more than 4 mm (0.16 inch) when placed on the mattress.(Fire extinguishing equipment must be readily available at all times.)
4. If a cigarette extinguishes before burning its full length on any mattress surface location, pops out of position when tested on a tuft, or rolls off a test location, the test must be repeated with a freshly lit cigarette on a different portion of the same type of location on the mattress surface until either: the number of cigarettes specified in § 1632.4(d)(1)(i) have burned their full lengths; the number of cigarettes specified in § 1632.4(d)(1)(i) have extinguished before burning their full lengths; or failure has occurred according to § 1632.3(b) Test criterion.

§1632.6 Ticking substitution procedure.(This procedure may be used to verify acceptable equivalency if a mattress or mattress pad manufacturer wishes to change the ticking used on a particular mattress or mattress pad prototype without conducting a prototype test as specified in§1632.4 or §1632.5. The procedure includes a ticking classification test that may be used by a ticking, mattress or mattress pad manufacturer or by a distributor of ticking.)

Conditioning: The test specimens, cigarettes, laundered sheets or sheeting material, foam and felt shall be conditioned as described in §1632.4(c).

Sample	§1632.6(d)(2) Test criteria	Test Result
1	Cigarette-An individual cigarette test location passes the test if the char length is not more than 1 inch (2.54 cm) in any direction from the nearest point of the cigarette, and the cotton felt is not ignited.	Pass
	In the interest of safety, the test operator should discontinue the test and record a failure before reaching the 1 inch (2.54 cm) char length if, in his opinion, an obvious ignition has occurred.	N/A
	An individual test specimen passes the test if all three cigarette test locations meet the cigarette test criterion of this paragraph.	Pass

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Sample	§1632.6(d)(4) Ticking classification	Test Result
1	A ticking prototype is classified as Class A, Class B, or Class C, in accordance with the following schedules. (i) Class A-A ticking prototype is classified as Class A when three specimens, tested in accordance with § 1632.6(e), meet the test criterion in § 1632.6(d)(2) when the ticking is tested directly over the cotton felt on the test box. (ii) Class B-A ticking prototype is classified as Class B when three specimens, tested according to § 1632.6(e), meet the test criterion in § 1632.6(d)(2) when the ticking is tested on a 1/4 inch $\pm$ 1/32 inch (6.3 mm $\pm$ 0.8 mm) thick urethane Mattress covering the cotton felt on the test box. (iii) Class C-A ticking prototype is classified as Class C when any specimen tested according to § 1632.6(e), fails to meet the test criterion in § 1632.6(d)(2) when the ticking is tested on a 1/4 inch $\pm$ 1/32 inch (6.3 mm $\pm$ 0.8 mm) thick urethane Mattress covering the cotton felt on the test box.	Pass

Note / Key :

1. Test each of the six surfaces according to § 1632.4(d). If all the cigarette test locations on all six mattress surfaces yield passing results using the criterion specified in § 1632.3(b), accept the mattress prototype.
2. If ignition occurs with any of the three cigarette burns on the ticking specimen, terminate testing of that specimen and classify according to § 1632.6(d)(4).

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B. 16 CFR Part 1633 -Standard for the Flammability (Open Flame) of Mattress Sets

Test Item(s)	Requirements of Standard	Result
		1
1633.3 General requirements.		
(a)	Summary of test method. The test method set forth in § 1633.7 measures the flammability (fire test response characteristics) of a mattress specimen by exposing the specimen to a specified flaming ignition source and allowing it to burn freely under well-ventilated, controlled environmental conditions. The flaming ignition source shall be a pair of propane burners. These burners impose differing fluxes for differing times on the top and sides of the specimen. During and after this exposure, measurements shall be made of the time-dependent heat release rate from the specimen, quantifying the energy generated by the fire. The rate of heat release must be measured by means of oxygen consumption calorimetry	PASS
(b)	Test criteria.	PASS
(c)	Testing of mattress sets.	PASS
(d)	Compliance with this standard.Compliance with this standard. Each mattress set manufactured,imported, or renovated on or after the effective date of the standard shall meet the test criteria specified in paragraph (b) of this section and otherwise comply with all applicable requirements of this part 1633.	PASS

Note / Key :NA = Not Applicable, NC= Not Conducted as per client' s request.

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Sample Photo:



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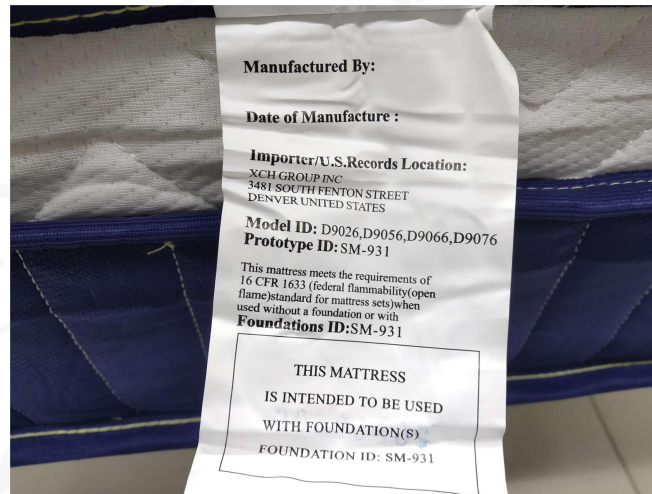


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*** End of Report ***



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