

HONG KONG PRIMEWAY TECHNOLOGY CO.,LIMITED  
 RM 701,UNIT 108, 7/F,TWR B NEW MANDARIN PLAZA 14 SCIENCE MUSEUM RD  
 TSIM SHA TSUI HONG KONG

Sample Description : MATTRESS  
 Item No. : M3  
 Client Reference Information : Item No.: M4  
 Manufacturer : FOSHAN YIMEIJIA FURNITURE CO.,LTD.  
 Country of Origin : CHINA

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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SGS Ref No. : SDFTS25007129R01\_EN  
 Sample Receiving Date : Nov 13, 2025  
 Test Performing Date : Nov 14, 2025 to Nov 21, 2025  
 Test Performed : Selected test(s) as requested by applicant

**Test Result Summary**

No.	Test(s) Requested	Result(s)	Comments
1	16 CFR Part 1633-Standard for the flammability (open flame) of Mattress sets. (Confirmation Test)	PASS	/
For further details, please refer to the following page(s)			

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

*Marco Leung*

Marco Leung  
 Authorized Signatory

Scan to see the report



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**Test Conducted:**

16 CFR Part 1633 Standard for the flammability (open flame) of mattress set.

**Sample Information**

The following sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received:

Model Name : M3  
Prototype Identification : YMJ202510M3  
Insulation : Fireproof felt  
Construction Type : /  
Foam Padding : fireproof sponge  
Barrier / Interliner : /  
Overall Size : (99\*190\*25)cm  
Mattress Ticking : /  
Foundation : WITHOUT FOUNDATION

**Conditioning**

Prior to testing, the sample was conditioned at 65°F ~77°F and a relative humidity less 55% for at least 48 hours.

At time of testing: Temperature greater than 59 °F and less than 80.6 °F, and a relative humidity less than 75%.

**Test Procedure and Results****PROCEDURE:**

The mattress was placed on a metal test frame and catch surface under the center of an open hood. The open hood and open calorimeter test room were configured in accordance with open calorimeter layout Option A as specified in 16 CFR Part 1633.

The ignition source was the NIST Dual Burner System constructed of stainless steel tubing. The fuel used was commercial propane delivered at a rate of 12.9 l/min to the top burner for a total time of 70 seconds and a rate of 6.6 l/min to the side burner for a total time of 50 seconds.

After ignition of the burner, we monitored recorded certain properties of the test procedure. These properties are Heat Release Rate and Total heat release.

Photos and video were taken of the specimen during the procedure. Please reference PHOTOS 1 through 2 for photos of representative samples before and after testing to this standard. Sampling was monitored throughout the test at a rate of 1 second. Heat Release equipment meets and exceeds requirements by ASTM E1590 for accuracy.

The test was conducted by Donnie Huang at the following address:

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

1st Floor, Building 1 of European Industrial Park, No.1 Shunhenan Road, Wusha Section, Daliang Town, Shunde of Foshan, Guangdong Province, China (CPSC Identification Number:1621)



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**RESULTS:**

Specimen 1:

Test Date: Nov 20,2025

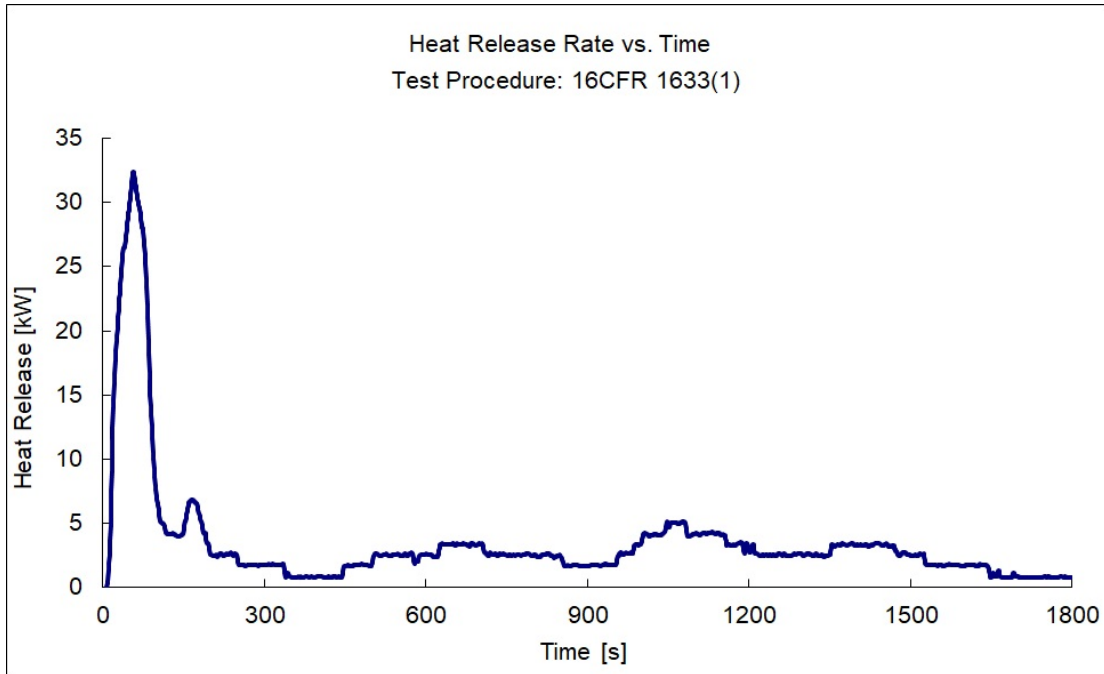
Data:

<u>Measurement Type</u>	<u>Maximum Value</u>	<u>Time Occurred</u>	<u>Allowed Value</u>	<u>Pass / Fail</u>
Heat Release Rate (kW)	32.4	00:00:49	200	PASS
Total Heat Release – First 10 Min (MJ)	3.2	---	15.0	PASS
Total heat release (Entire Test, MJ)	6.2			
Test duration	[ √ ] 30 minutes			
Please reference Figure 1 and 2 for graphical representation of Heat Release Rate and Total Heat Release.				

**OBSERVATIONS:**

- 09:00 – Sample was removed from conditioning room.
- 09:05 – Test was started.
- 09:07 – After the ignition source extinguished, the mattress was ignited and flame was small and spread on the side and upper surface.
- 09:35 – Flame was extinguished by operator and the test was stopped.

**GRAPHICAL RESULTS:**



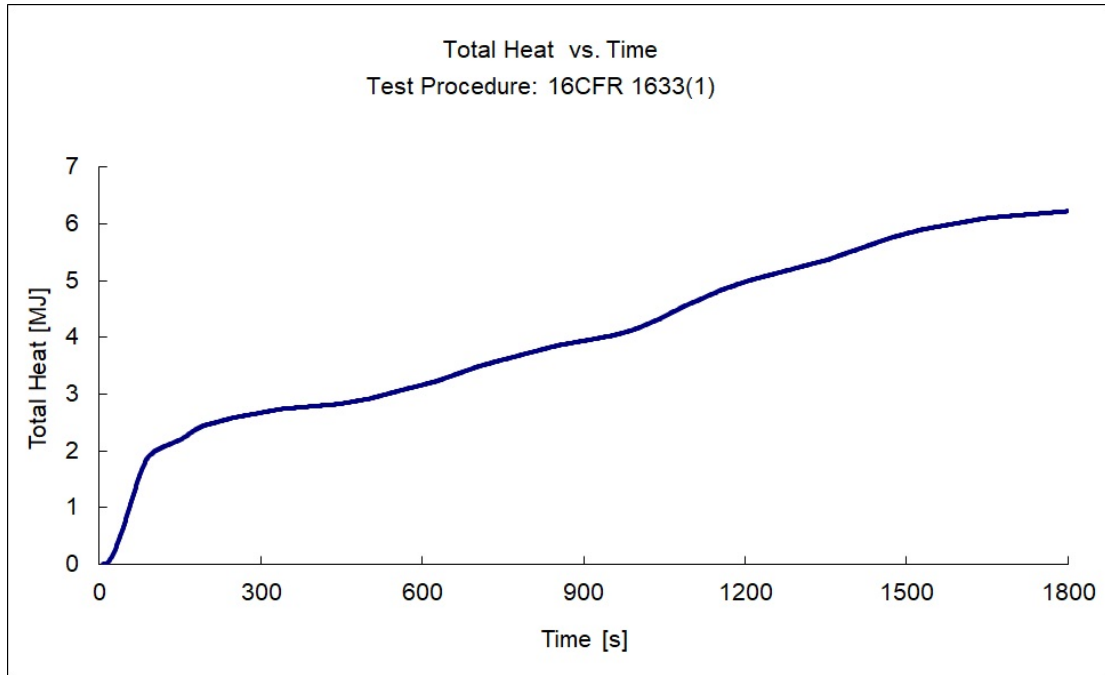
**Figure1. Heat Release Rate vs. Time Graph**



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**Figure2. Total Heat Release vs. Time Graph**

**PHOTOS:**



SGS authenticate the photo on original report only

**Remark:**

1. For testing details, please refer to the enclosed video.
2. According to client's statements, the tested Style/Item No. M3 is identical to the Style/Item No. as stated in "Client Reference Information" column on the first page.

\*\*\*End of Report\*\*\*



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