



# TEST REPORT

NO.: GTT2509127873TR-1

Date: Sep. 18, 2025

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Applicant: Shenzhen Yunfanji Technology Co., Ltd.

Address: Xiangjietang Community, Ban'an Subdistrict, Longgang District, Shenzhen City. No. B510, Aobo Center, Banxuegang Avenue.

The following samples were submitted and identified on behalf of the clients as

Sample name: mattress

Trade mark: N/A

Model: CD49, CD99, CD22

Description: Household, Use during breaks

Asin: N/A

Labeled age grading: 16+years old

Test age grading: 16+years old

Age Group Assessed As PerAge Guideline: Over 16 years

Age Group Applied in Testing: Over 16 years

Manufacturer date: 2025.7.1

Manufacturer: Guangdong Nanmei Intelligent Furniture Co., Ltd.

Address: No. 8 Factory Building, Wenchang Road, 816, Xiedong Industrial Zone, Jiujiang Town, Nanhai District, Foshan City

Sample received date: Sep. 12, 2025

Testing period: Sep. 12, 2025- Sep. 18, 2025

Test Method: Please refer to next page(s).

Test Result: Please refer to next page(s).

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

Signed for and on behalf of  
Shenzhen GTT Testing Technology Co., Ltd

Approved by: 

**Shenzhen GTT Testing Technology Co., Ltd.**

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Test Requested	Conclusion
1 16 CFR Part 1632 - Standard for The Flammability of Mattresses and Mattress Pads (FF 4-72, AMENDED)	Pass
2 As specified in title 16, code of federal regulations, chapter II - consumer products safety commission of U.S.A	
1). 16 CFR 1500.50.51.52.53 Simulating use and abuse of toys	Pass
2). 16 CFR 1501 Small Objects	Pass
3). 16 CFR 1500.48 Sharp point	Pass
4). 16 CFR 1500.49 Sharp edge	Pass
3 16 CFR Part 1633-Standard for The Flammability (Open Flame) of Mattress Sets	Pass
4 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint	NA
5 Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children ' s products containing Lead; Lead paint rule	Pass
6 Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates 16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
7 CPSA Section 14(a) (5) Tracking Labels for Children's Products	Pass



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## Results:

### 1. 16 CFR Part 1632 - Standard For The Flammability Of Mattresses And Mattress Pads (FF 4-72, AMENDED)

Applicable Section	Description	Result
§ 1632.1	Definitions.	
(a)	Mattress means a ticking filled with a resilient material used alone or in combination with other products intended or promoted for sleeping upon.	
(1)	This definition includes, but is not limited to, adult mattresses, youth mattresses, crib mattresses including portable crib mattresses, bunk bed mattresses, futons, water beds and air mattresses which contain upholstery material between the ticking and the mattress core, and any detachable mattresses used in any item of upholstered furniture such as convertible sofa bed mattresses, corner group mattresses, day bed mattresses, roll-a-way bed mattresses, high risers, and trundle bed mattresses. See § 1632.8 Glossary of terms, for definitions of these items.	
(2)	This definition excludes sleeping bags, pillows, mattress foundations, liquid and gaseous filled tickings such as water beds and air mattresses which do not contain upholstery material between the ticking and the mattress core, upholstered furniture which does not contain a detachable mattress such as chaise lounges, drop-arm love seats, press-back lounges, push-back sofas, sleep lounges, sofa beds (including jackknife sofa beds), sofa lounges (including glide-outs), studio couches and studio divans (including twin studio divans and studio beds), and juvenile product pads such as car bed pads, carriage pads, basket pads, infant carrier and lounge pads, dressing table pads, stroller pads, crib bumpers, and playpen pads. See § 1632.8 Glossary of terms, for definitions of these items.	
(b)	<i>Mattress Pad</i> means a thin, flat mat or cushion, and/or ticking filled with resilient material for use on top of a mattress. This definition includes, but is not limited to, absorbent mattress pads, flat decubitus pads, and convoluted foam pads which are totally enclosed in ticking. This definition excludes convoluted foam pads which are not totally encased in ticking.	
(c)	Ticking means the outermost layer of fabric or related material that encloses the core and upholstery materials of a mattress or mattress pad. A mattress ticking may consist of several layers of fabric or related materials quilted together.	
(d)	<i>Core</i> means the main support system that may be present in a mattress, such as springs, foam, hair block, water bladder, air bladder, or resilient filling.	
(e)	Upholstery material means all material, either loose or attached, between the mattress or mattress pad ticking and the core of a mattress, if a core is present.	
(f)	<i>Tape edge</i> (edge) means the seam or border edge of a mattress or mattress pad.	
(g)	Quilted means stitched with thread or by fusion through the ticking and one or more layers of upholstery material.	
(h)	Tufted means buttoned or laced through the ticking and upholstery material and/or core, or having the ticking and upholstery material and/or core drawn together at intervals by any other method which produces a series of depressions on the surface.	

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Applicable Section	Description	Result
(i)	Manufacturer means an individual plant or factory at which mattresses and/or mattress pads are produced or assembled.	
(j)	Mattress prototype means mattresses of a particular design, sharing all materials and methods of assembly, but excluding differences in mattress size. If it has been shown as a result of prototype qualification testing that an upholstery material or core will not reduce the ignition resistance of the mattress prototype, substitution of another material for such material shall not be deemed a difference in materials for prototype definition. (See § 1632.31(c)(4) for records required to demonstrate that a change of materials has not reduced ignition resistance of a mattress prototype.) If it is determined or suspected that a material has influenced the ignition resistance of the mattress prototype, a change in that material, excluding an increase in thickness, shall be deemed a difference in materials for purposes of prototype definition unless it is previously shown to the satisfaction of the Consumer Product Safety Commission that such change will not reduce the ignition resistance of the mattress prototype. Ticking materials may be substituted in accordance with § 1632.6. Tape edge materials may be substituted in accordance with § 1632.7.	
(k)	Mattress pad prototype means mattress pads of a particular design, sharing all materials and methods of assembly, but excluding differences in mattress pad size. A change in existing material, except an increase in thickness, shall be deemed a difference in materials for purposes of prototype definition unless it is previously shown to the satisfaction of the Consumer Product Safety Commission that such change will not reduce the ignition resistance of the mattress pad prototype. Ticking materials may be substituted in accordance with § 1632.6. Tape edge materials may be substituted in accordance with § 1632.7.	
(l)	Surface means one side of a mattress or mattress pad which is intended for sleeping upon and which can be tested.	
§ 1632.2	Purpose, scope, and applicability	
§ 1632.3	General requirements.	
(a)	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.	Pass
(b)	<i>Test criterion.</i> When testing the mattress or mattress pad surface in accordance with the testing procedure set forth in § 1632.4 <i>Mattress test procedure</i> , 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
(c)	<i>Pre-market testing.</i> Each manufacturer required to perform prototype testing by	Pass

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Applicable Section	Description	Result
	the standard shall perform the testing required by the standard with acceptable results before selling in commerce or introducing in commerce any mattress or mattress pad which is subject to the standard.	
(d)	Specimen selection and qualification.	Pass
(1)	Each manufacturer required to perform prototype testing by the standard shall construct or select enough units of each proposed mattress prototype or proposed mattress pad prototype to provide six surfaces for testing. A minimum of three mattresses or mattress pads are required if both sides can be tested; six mattresses or mattress pads are required if only one side can be tested. 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. 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.	Pass
(2)	Prototype qualification testing may be repeated after action has been taken to improve the resistance of the mattress prototype or the mattress pad prototype to cigarette ignition by changes in design, construction methods, materials selection, or other means. When prototype qualification is repeated after rejection of a prototype, such qualification testing shall be conducted in the same manner as original qualification testing.	Pass
(3)	Each mattress prototype and each mattress pad prototype must be accepted in prototype qualification before any mattress or mattress pad manufactured in accordance with such mattress prototype or mattress pad prototype is sold in commerce or introduced in commerce. Any manufacturer required to perform testing by the standard may rely on prototype tests performed before the effective date of this amended standard, provided that such tests were conducted in accordance with all requirements of §§ 1632.1(i), 1632.3(d), and 1632.4, and yield passing results when the test criterion of § 1632.3(b) is applied. If the ticking classification test at § 1632.6 is to be used when relying on prototype tests performed before the effective date of the standard, the ticking currently used on that mattress prototype must be classified before substitution of ticking using § 1632.6.	Pass
(4)	Rejected prototype mattresses or prototype mattress pads shall not be retested, offered for sale, sold, or promoted for use as a mattress (as defined in § 1632.1(a)) or for use as a mattress pad (as defined in § 1632.1(b)) except after reworking to improve the resistance to ignition by cigarettes, and subsequent	Pass



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	retesting and acceptance of the mattress prototype (as defined in § 1632.1(j)) or the mattress pad prototype (as defined in § 1632.1(k)).	
§ 1632.4	Mattress test procedure.	Pass
§ 1632.5	Mattress pad test procedure.	NA
§ 1632.6	Ticking substitution procedure.	NA
§ 1632.7	Tape edge substitution procedure.	NA
§ 1632.8	Glossary of terms.	
§ 1632.31	Subpart B - Rules and Regulations Mattresses/mattress pads - labeling, recordkeeping, guaranties and "one of a kind" exemption.	
§ 1632.61- §1632.62	Subpart C - Interpretations and Policies [Reserved]	

--NA= Not Applicable

## § 1632.3 - STANDARD FOR THE FLAMMABILITY OF MATTRESSES AND MATTRESS PADS

Item	Sample			
	Smooth surface	Tape edge	Quilted location	Tufted location
Bare mattress tests (1)	Pass	Pass	Pass	Pass
Bare mattress tests (2)	Pass	Pass	Pass	Pass
Bare mattress tests (3)	Pass	Pass	Pass	Pass
Bare mattress tests (4)	Pass	Pass	Pass	Pass
Bare mattress tests (5)	Pass	Pass	Pass	Pass
Bare mattress tests (6)	Pass	Pass	Pass	Pass

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Item	Sample			
	Smooth surfaces	Tape edge	Quilted locations	Tufted locations
Two-sheet tests (1)	Pass	Pass	Pass	Pass
Two-sheet tests (2)	Pass	Pass	Pass	Pass
Two-sheet tests (3)	Pass	Pass	Pass	Pass
Two-sheet tests (4)	Pass	Pass	Pass	Pass
Two-sheet tests (5)	Pass	Pass	Pass	Pass
Two-sheet tests (6)	Pass	Pass	Pass	Pass

--NA= Not Applicable

## 2. As specified in title 16, code of federal regulations, chapter II- consumer products Safety commission of U.S.A

Section	Description	Result
16CFR 1500.50.51.52.53	Normal use testing	Pass
	Abuse testing	
	Impact test	Pass
	Bite test	Pass
	Flexure test	Pass
	Torque test (53e)	Pass
	Tension test (53f)	Pass
	Compression test(53g)	Pass
16CFR 1501	Identifying toys and other articles intended for use by Children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts.	Pass
16CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	Pass
16CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	Pass

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## 3. 16CFR PART 1633 - STANDARD FOR THE FLAMMABILITY (OPEN FLAME) OF MATTRESS SETS

Applicable Section	Description	Result
§ 1633.1	Purpose, scope and applicability.	
(a)	Purpose. This part 1633 establishes flammability requirements that all mattress sets must meet before sale or introduction into commerce. The purpose of the standard is to reduce deaths and injuries associated with mattress fires by limiting the size of the fire generated by a mattress set during a thirty minute test.	
(b)	Scope.	
(1)	All mattress sets, as defined in § 1633.2(c), manufactured, imported, or renovated on or after the effective date of this standard are subject to the requirements of the standard.	
(2)	One-of-a-kind mattress sets may be exempted from testing under this standard in accordance with § 1633.13(c).	
(c)	Applicability. The requirements of this part 1633 shall apply to each “manufacturer” (as that term is defined in § 1633.2(k)) of mattress sets which are manufactured for sale in commerce.	
§ 1633.2	Definitions. In addition to the definitions given in section 2 of the Flammable Fabrics Act as amended (15 U.S.C. 1191), the following definitions apply for purposes of this part 1633.	
(a)	Mattress means a resilient material or combination of materials enclosed by a ticking (used alone or in combination with other products) intended or promoted for sleeping upon. This includes mattresses that have undergone renovation as defined in paragraph (d) of this section.	
(1)	This term includes, but is not limited to, adult mattresses, youth mattresses, crib mattresses (including portable crib mattresses), bunk bed mattresses, futons, flip chairs without a permanent back or arms, sleeper chairs, and water beds or air mattresses if they contain upholstery material between the ticking and the mattress core. Mattresses used in or as part of upholstered furniture are also included; examples are convertible sofa bed mattresses, corner group mattresses, day bed mattresses, roll-away bed mattresses, high risers, and trundle bed mattresses. See § 1633.9 Glossary of terms, for definitions of these items.	
(2)	This term excludes mattress pads, mattress toppers (items with resilient filling, with or without ticking, intended to be used with or on top of a mattress), sleeping bags, pillows, liquid and gaseous filled tickings, such as water beds and air mattresses that contain no upholstery material between the ticking and the mattress core, upholstered furniture which does not contain a mattress, and juvenile product pads such as car bed pads, carriage pads, basket pads, infant carrier and lounge pads, dressing table pads, stroller pads, crib bumpers, and playpen pads. See § 1633.9 Glossary of terms, for definitions of these items.	
(b)	Foundation means a ticking covered structure used to support a mattress or sleep surface. The structure may include constructed frames, foam, box springs, or other materials, used alone or in combination.	
(c)	Mattress set means either a mattress and foundation labeled by the manufacturer for sale as a set,	



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Applicable Section	Description	Result
	or a mattress labeled by the manufacturer for sale without any foundation.	
(d)	Renovation means altering an existing mattress set for the purpose of resale.	
(1)	This term includes any one, or any combination of the following: replacing the ticking or batting, stripping a mattress to its springs, rebuilding a mattress, or replacing components with new or recycled materials.	
(2)	This term excludes alterations if the person who renovates the mattress intends to retain the renovated mattress for his or her own use, or if a customer or a renovator merely hires the services of the renovator and intends to take back the renovated mattress for his or her own use.	
(e)	Ticking means the outermost layer of fabric or related material of a mattress or foundation. It does not include any other layers of fabric or related materials quilted together with, or otherwise attached to, the outermost layer of fabric or related material.	
(f)	Upholstery material means all material, either loose or attached, between the mattress ticking and the core of a mattress.	
(g)	Edge means the seamed, un-seamed or taped border edge of a mattress or foundation that joins the top and/or bottom with the side panels.	
(h)	Tape edge means an edge made by using binding tape to encase and finish raw edges.	
(i)	Binding tape means a fabric strip used in the construction of some edges.	
(j)	Seam thread means the thread used to form stitches in construction features, seams, and tape edges.	
(k)	Manufacturer means an individual plant or factory at which mattress sets are manufactured or assembled. For purposes of this part 1633, importers and renovators are considered manufacturers.	
(l)	Prototype means a specific design of mattress set that serves as a model for production units intended to be introduced into commerce and is the same as the production units with respect to materials, components, design and methods of assembly. A mattress intended for sale with a foundation(s) shall be considered a separate and distinct prototype from a mattress intended for sale without a foundation.	
(m)	Prototype developer means a third party that develops a prototype for use by a manufacturer. Such prototypes may be qualified by either the prototype developer or by the manufacturer.	
(n)	Qualified prototype means a prototype that has been tested in accordance with § 1633.4(a) and meets the criteria stated in § 1633.3(b).	
(o)	Confirmed prototype means a prototype that is part of a pooling arrangement and is the same as a qualified prototype with respect to materials, components, design and methods of assembly and has been tested in accordance with § 1633.5(a)(3) and meets the criteria stated in § 1633.3(b).	
(p)	Subordinate prototype means a mattress set that is based on a qualified or confirmed prototype and is the same as the qualified or confirmed prototype, except as permitted by § 1633.4(b). A subordinate prototype is considered to be represented by a qualified or confirmed prototype and need not be tested in accordance with § 1633.4(a) or § 1633.5(a)(3).	

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(q)	Prototype pooling means a cooperative arrangement - whereby one or more manufacturers build mattress sets based on a qualified prototype produced by another manufacturer or prototype developer. A manufacturer who relies on another manufacturer's or prototype developer's qualified prototype must perform a confirmation test on the mattress set it manufactures.	
(r)	Confirmation test means a pre-market test conducted by a manufacturer who is relying on a qualified prototype produced by another manufacturer or prototype developer. A confirmation test must be conducted in accordance with the procedures set forth in § 1633.7 and meet the criteria in § 1633.3(b).	
(s)	Production lot means any quantity of finished mattress sets that are produced in production intervals defined by the manufacturer, and are intended to replicate a specific qualified, confirmed or subordinate prototype that complies with this part 1633.	
(t)	Specimen means a mattress set tested under this regulation.	
(u)	Twin size means any mattress with the dimensions 38 inches (in) (965 millimeters) × 74.5 in. (1892 mm); all dimensions may vary by ± 1/2 in. (±13 mm).	
(v)	Core means the main support system that may be present in a mattress, such as springs, foam, water bladder, air bladder, or resilient filling.	
§ 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
(1)	When testing the mattress set in accordance with the test procedure set forth in § 1633.7, the specimen shall comply with both of the following criteria:	Pass
(i)	The peak rate of heat release shall not exceed 200 kilowatts ("kW") at any time within the 30 minute test; and	Pass
(ii)	The total heat release shall not exceed 15 megajoules ("MJ") for the first 10 minutes of the test.	Pass
(2)	In the interest of safety, the test operator should discontinue the test and record a failure if a fire develops to such a size as to require suppression for the safety of the facility.	Pass
(c)	Testing of mattress sets. Mattresses labeled for sale with a foundation shall be tested with such foundation. Mattresses labeled for sale without a foundation shall	Pass

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	be tested alone.	
(d)	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
§ 1633.4	Prototype testing requirements.	
(a)	Except as otherwise provided in paragraph (b) of this section, each manufacturer shall cause three specimens of each prototype to be tested according to § 1633.7 and obtain passing test results according to § 1633.3(b) before selling or introducing into commerce any mattress set based on that prototype, unless the manufacturer complies with the prototype pooling and confirmation testing requirements in § 1633.5.	Pass
(b)	Notwithstanding the requirements of paragraph (a) of this section, a manufacturer may sell or introduce into commerce a mattress set that has not been tested according to § 1633.7 if that mattress set differs from a qualified or confirmed prototype only with respect to:	Pass
(1)	Mattress/foundation length and width, not depth (e.g., twin, queen, king);	Pass
(2)	Ticking, unless the ticking of the qualified prototype has characteristics (such as chemical treatment or special fiber composition) designed to improve performance on the test prescribed in this part; and/or	Pass
(3)	Any component, material, design or method of assembly, so long as the manufacturer can demonstrate on an objectively reasonable basis that such differences will not cause the mattress set to exceed the test criteria specified in § 1633.3(b).	Pass
(c)	All tests must be conducted on specimens that are no smaller than a twin size, unless the largest size mattress set produced is smaller than a twin size, in which case the largest size must be tested.	Pass
(d) (1)	If each of the three specimens meets both the criteria specified in § 1633.3(b), the prototype shall be qualified. If anyone (1) specimen fails to meet the test criteria of § 1633.3(b), the prototype is not qualified.	Pass
(2)	Any manufacturer may produce a mattress set for sale in reliance on prototype tests performed before the effective date of this Standard, provided:	Pass
(i)	The manufacturer has documentation showing that such tests were conducted in accordance with all requirements of this section and § 1633.7 and yielded passing results according to the test criteria of § 1633.3(b);	Pass
(ii)	Any tests conducted more than 30 days after publication of this standard in the Federal Register must comply with the recordkeeping requirements in § 1633.11;	Pass
(iii)	Such mattress sets may be used for prototype pooling only if the manufacturer	Pass

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	complies with applicable recordkeeping requirements in § 1633.11; and	
(iv)	Such mattress sets may serve as the basis for a subordinate prototype only if the manufacturer has all records required by § 1633.11.	Pass
§ 1633.5	Prototype pooling and confirmation testing requirements.	
(a)	Prototype pooling. One or more manufacturers may rely on a qualified prototype produced by another manufacturer or prototype developer provided that:	Pass
(1)	The prototype meets the requirements of § 1633.4;	Pass
(2)	The mattress sets being produced are the same as the qualified prototype with respect to materials, components, design and methods of assembly; and	Pass
(3)	The manufacturer producing mattress sets in reliance on a qualified prototype has performed a confirmation test on at least one (1) Specimen of the mattress set it produces in accordance with § 1633.7. The tested specimen must meet the criteria under § 1633.3(b) before any mattress sets based on the qualified prototype may be sold or introduced into commerce.	Pass
(b)	Confirmation test failure.	Pass
(1)	If the confirmation test specimen fails to meet the criteria of § 1633.3(b), the manufacturer thereof shall not sell any mattress set based on the same qualified prototype until that manufacturer takes corrective measures, tests a new specimen, and the new specimen meets the criteria of § 1633.3(b).	Pass
(2)	If a confirmation test specimen fails to meet the criteria of § 1633.3(b), the manufacturer thereof must notify the manufacturer of the prototype of the test failure.	Pass
§ 1633.6	Quality assurance requirements.	
(a)	Quality assurance. Each manufacturer shall implement a quality assurance program to ensure that mattress sets manufactured for sale are the same as the qualified and/or confirmed prototype on which they are based with respect to materials, components, design and methods of assembly, except as permitted by § 1633.4(b). At a minimum these procedures shall include:	Pass
(1)	Controls, including incoming inspection procedures, of all mattress set materials, components and methods of assembly to ensure that they are the same as those used in the prototype on which they are based;	Pass
(2)	Designation of a production lot that is represented by the prototype; and	Pass
(3)	Inspection of mattress sets produced for sale sufficient to demonstrate that they are the same as the prototype on which they are based with respect to materials, components, design and methods of assembly.	Pass
(b)	Production testing. Manufacturers are encouraged to conduct, as part of the quality assurance program, random testing of mattress sets being produced for sale	Pass

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Applicable Section	Description	Result
	according to the requirements of §§ 1633.3 and 1633.7.	
(c)	Failure of mattress sets produced for sale to meet flammability standard -	Pass
(1)	Sale of mattress sets. If any test performed for quality assurance yields results which indicate that any mattress set of a production lot does not meet the criteria of § 1633.3(b), or if a manufacturer obtains test results or other evidence that a component or material or construction/assembly process used could negatively affect the test performance of the mattress set as set forth in § 1633.3(b), the manufacturer shall cease production and distribution in commerce of such mattress sets until corrective action is taken.	Pass
(2)	Corrective action. A manufacturer must take corrective action when any mattress set manufactured or imported for sale fails to meet the flammability test criteria set forth in § 1633.3(b).	Pass
§ 1633.7	Mattress test procedure.	Pass
§ 1633.8	Findings.	
§ 1633.9	Glossary of terms.	
§ 1633.10	Subpart B - Rules and Regulations Definitions.	
§ 1633.11	Records.	
§ 1633.12	Labeling.	
§ 1633.13	Tests for guaranty purposes, compliance with this section, and "one of a kind" exemption.	

-NA= Not Applicable

## Sample A

Measurement Type	Maximum Value	Time Occurred	Allowed Value	Conclusion
Heat Release Rate(kW)	37.6	00:00:43	200	Pass
Total Heat Release-First 10	4.8	--	15.0	Pass
Total heat release (Entire Test, MJ)		13.0		
Test duration		[√] 30 minutes		

## OBSERVATIONS:

- 16:00-Specimen was removed from conditioning room.
- 16:05 - Test was started.
- 16:07 - After the ignition source extinguished, the specimen was ignited and flame was small and spread on the side and upper surface.
- 16:35 - Flame was extinguished by operator and the test was stopped.

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Sample	Location measurement, $R_{ct}$ ( $Km^2/W$ )				Standard Deviation	Coefficient Variance
	Location 1	Location 2	Location 3	Average		
Sample A	0.641	0.642	0.638	0.640	0.002	0.5%
RSI-value ( $Km^2/W$ )				RSI-0.640	/	/
R-value( $F\ ft^2\ h/Btu$ )				R-3.6	/	/

## Sample B

Measurement Type	Maximum Value	Time Occurred	Allowed Value	Conclusion
Heat Release Rate(kW)	37.0	00:00:42	200	Pass
Total Heat Release-First 10	5.5	--	15.0	Pass
Total heat release (Entire Test, MJ)	10.3			
Test duration	[√] 30 minutes			

### OBSERVATIONS:

- 16:00-Specimen was removed from conditioning room.
- 16:05 - Test was started.
- 16:07 - After the ignition source extinguished, the specimen was ignited and flame was small and spread on the side and upper surface.
- 16:35 - Flame was extinguished by operator and the test was stopped.

Sample	Location measurement, $R_{ct}$ ( $Km^2/W$ )				Standard Deviation	Coefficient Variance
	Location 1	Location 2	Location 3	Average		
Sample B	0.364	0.366	0.363	0.364	0.002	0.5%
RSI-value ( $Km^2/W$ )				RSI-0.364	/	/
R-value( $F\ ft^2\ h/Btu$ )				R-2.1	/	/

## Sample C

Measurement Type	Maximum Value	Time Occurred	Allowed Value	Conclusion
Heat Release Rate(kW)	38.0	00:00:42	200	Pass
Total Heat Release-First 10	3.8	--	15.0	Pass
Total heat release (Entire Test, MJ)	12.9			
Test duration	[√] 30 minutes			

### OBSERVATIONS:

- 16:00-Specimen was removed from conditioning room.

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- 16:05 - Test was started.
- 16:07 - After the ignition source extinguished, the specimen was ignited and flame was small and spread on the side and upper surface.
- 16:35 - Flame was extinguished by operator and the test was stopped.

Sample	Location measurement, $R_{ct}$ ( $Km^2/W$ )				Standard Deviation	Coefficient Variance
	Location 1	Location 2	Location 3	Average		
Sample C	0.364	0.366	0.363	0.364	0.002	0.5%
RSI-value ( $Km^2/W$ )				RSI-0.364	/	/
R-value( $F\ ft^2\ h/Btu$ )				R-2.1	/	/

## 4. 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint

**Test method:** With reference to CPSC-CH-E1003-09.1, sample was digested with acid mixture and analyzed by ICP-OES.

Test Item	Unit	MDL	Results	Limit
			/	
Lead Content (Pb)	mg/kg	5	/	90
<b>Conclusion</b>	/	/	/	/

## 5. Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children's products containing Lead; Lead paint rule

### (1) Substrate Materials

**Test method:** With reference to CPSC-CH-E1001-08.3; CPSC-CH-E1002-08.3, by acid digestion and analysis was performed by ICP-OES.

Test Item	Unit	MDL	Results			Limit
			1	2	3	
Lead Content (Pb)	mg/kg	5	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	/	/	<b>Pass</b>			/



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## (2) Paint and similar surface coating material

**Test method:** With reference to CPSC-CH-E1003-09.1, sample was digested with acid mixture and analyzed by ICP-OES.

Test Item	Unit	MDL	Results	Limit
			/	
Lead Content (Pb)	mg/kg	5	/	90
<b>Conclusion</b>	/	/	/	/

## 6. Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates

### 16 CFR Part 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

**Test method:** With reference to CPSC-CH-C1001-09.4, by solvent extraction and analysis was performed by GC-MS.

Test Item	Unit	MDL	Results	Limit
			1+2+3	
Dibutyl Phthalate (DBP)	mg/kg	30	N.D.	1000
Benzylbutyl Phthalate (BBP)	mg/kg	30	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	1000
Diisononyl Phthalate (DINP)	mg/kg	100	N.D.	1000
Di-isobutyl Phthalate (DIBP)	mg/kg	100	N.D.	1000
Dicyclohexyl Phthalate (DCHP)	mg/kg	100	N.D.	1000
Di-n-hexyl Phthalate (DHEXP)	mg/kg	100	N.D.	1000
Di-n-pentyl Phthalates (DPENP)	mg/kg	100	N.D.	1000
<b>Conclusion</b>	/	/	<b>Pass</b>	/

Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- 0.1% = 1000mg/kg, mg/kg = ppm

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## 7. CPSA Section 14(a) (5) Tracking Labels for Children's Products

Description	Result
1. Is the product intended for children under 12 years? If no, the section is not applicable.	Yes
2. Is the product under the exemption of marking on children's product?	Not
2.1 Product is too small to be marked.	Not
2.2. Products stay with or be contained in their original packaging.	Not
2.3. Product is sold through a bulk vending machine.	Not
2.4. Physical mark would weaken or damage the product or impair its utility.	Not
2.5. Product surface would be impossible to mark permanently.	Not
2.6. Aesthetics of the product would be ruined by a mark.	Not
3. Is the product and packaging or only packaging (for product exempted from the marking) marked below information?	Pass
3.1. Name of the manufacturer or the name of the private labeler.	Yes
3.2. Manufacturer or private labeler location, including the name of the country, and the name or other means of coding of city and state.	Yes
3.3. Date of production of the product, in a form of MM/YY or any other coding system.	Yes
3.4. Cohort information (including the batch, run number, or another identifying characteristic).	Yes
4. Is the label permanent after below permanency testing?	Pass

--NA= Not Applicable

### Sample description

1. White fabric
2. Grey fabric
3. Black fabric

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## Photograph of Sample

FIGURE 1



FIGURE 2



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FIGURE 3



FIGURE 4



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FIGURE 5



FIGURE 6





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FIGURE 7

Product Name:	mattress
Importer:	N/A
Importer Address:	N/A
Manufacturer:	Guangdong Nanmei Intelligent Furniture Co., Ltd.
Manufacturer Address:	No. 8 Factory Building, Wenchang Road, 816, Xiedong Industrial Zone, Jiujiang Town, Nanhai District, Foshan City
Age of application:	16+ years old
Batch:	N/A
Date of manufacture:	2025.7.1

MADE IN CHINA

<b>⚠ WARNING</b>
Please use on flat ground, if not you may fall and hurt yourself. Please check the completeness of the product carefully before use. If incomplete, please contact the manufacturer in time.

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