



**HUAKE TESTING**

# TEST REPORT

**Prepared for:**

**Shenzhen huitai Zhonghong Technology Co., Ltd**

**1206, building a, Fujian building, CaiTian Road, Futian street, Futian District, Shenzhen**

**Product Name: Metal Bunk Bed Frame**

**Model Name: MG00005AAB**

**Trade Name: N/A**

**Date of Test: From April 23, 2023 to April 27, 2023**

**Date of Report: May 15, 2023**

**Report Number: HK2304233636-1RR-R01**

**Prepared by:**

**Shenzhen HUAKE Testing Technology Co., LTD.**

**1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street,  
Bao'an District, Shenzhen, Guangdong, China**

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**Applicant:** Shenzhen huitai Zhonghong Technology Co., Ltd  
**Address:** 1206, building a, Fujian building, CaiTian Road, Futian street, Futian District, Shenzhen  
**Manufacturer:** Shenzhen huitai Zhonghong Technology Co., Ltd  
**Address:** 1206, building a, Fujian building, CaiTian Road, Futian street, Futian District, Shenzhen

**The following sample was submitted and identified by/on behalf of the client as:**

Sample Name: Metal Bunk Bed Frame  
 Model No. : MG00005AAB  
 Trade Name: N/A  
 Tested Age Grade : Over 7 years old  
 Labeled Age Grading : Over 7 years old  
 Appropriate Age Grade : Over 7 years old  
 Sample Receiving Date: April 23, 2023  
 Testing Period: From April 23, 2023 to April 27, 2023  
 Results: Please refer to next page(s).

Signed for and on behalf of HUAKE

Approved by: \_\_\_\_\_  
Lab Manager

Remark: Only selected materials were tested as per client's requirement.



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## Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

CPSC Certification Number is 1710.

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## Summary of Test Results:

### TEST REQUEST

- A 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
  - 2. 16 CFR 1501 Small Objects
  - 3. 16 CFR 1500.48 Sharp point
  - 4. 16 CFR 1500.49 Sharp edge
- B 16 CFR PART 1513 - REQUIREMENTS FOR BUNK BEDS
- C ASTM F F1427-21e1 Standard Consumer Safety Specification for Bunk Beds
- D - USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint
- E - USA Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children’s products containing Lead; Lead paint rule
- F - USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates
- G - USA 16 CFR Part 1307 Prohibition of Children’s Toys and Child Care Articles Containing Specified Phthalates
- G -CPSA Section 14(a) (5) Tracking Labels for Children's Products (15 USC §2063(a)(5) (CPSA))

### CONCLUSION

- PASS
- PASS
- PASS
- PASS
- PASS
- PASS
- PASS
- PASS

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**Results:**

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

Applicable Section	Description	Result
16 CFR 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
16 CFR 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.	NA
16 CFR 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
16 CFR 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

--NA= Not Applicable

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## B. 16 CFR PART 1513 - REQUIREMENTS FOR BUNK BEDS

Applicable Section	Description	Result
§ 1513.1	Scope, application, and effective date	
(a)	Scope, basis, and purpose. This part 1513 prescribes requirements for bunk beds to reduce or eliminate the risk that children will die or be injured from being trapped between the upper bunk and the wall or in openings below guardrails or in other structures in the bed. Bunk beds meeting these requirements are exempted from 16 CFR 1500.18(a)(18).	
(b)	Application and effective date. This part applies to all bunk beds, except those manufactured only for institutional use, that are manufactured in the United States, or imported, on or after June 19, 2000. (Facilities intended for use by children under age 6 are not considered to be institutions.) Bunk beds, as described in this section, that are not intended for use by children are subject to the requirements in 16 CFR part 1213, and not to 16 CFR 1500.18(a)(18). However, the provisions of 16 CFR 1213 are substantively identical to the requirements in this part 1513.	
§ 1513.2	Definitions. Bed. See Bunk bed. Bed end structure means an upright unit at the head and foot of the bed to which the side rails attach. Bunk bed means a bed in which the underside of any foundation is over 30 inches (760 mm) from the floor. Foundation means the base or support on which a mattress rests. Guardrail means a rail or guard on a side of the upper bunk to prevent a sleeping occupant from falling or rolling out.	
§ 1513.3	Requirements.	
(a)	Guardrails.	
(1)	Any bunk bed shall provide at least two guardrails, at least one on each side of the bed, for each bed having the underside of its foundation more than 30 inches (760 mm) from the floor.	Pass
(2)	One guardrail shall be continuous between each of the bed's end structures. "Continuous" means that any gap between the guardrail and end structure shall not exceed 0.22 inches (5.6 mm) (so as to not cause a finger entrapment hazard for a child).	Pass
(3)	The other guardrail may terminate before reaching the bed's end structures, providing there is no more than 15 inches (380 mm) between either end of the guardrail and the nearest bed end structure.	Pass
(4)	For bunk beds designed to have a ladder attached to one side of the bed, the continuous guardrail shall be on the other side of the bed.	Pass
(5)	Guardrails shall be attached so that they cannot be removed without either intentionally releasing a fastening device or applying forces sequentially in different directions.	Pass
(6)	The upper edge of the guardrails shall be no less than 5 inches (130 mm) above the top surface of the mattress when a mattress of the maximum thickness specified by the manufacturer's instructions is on the bed. This requirement does not prohibit a wall-side guardrail that terminates in a quarter-circle bend and attaches to the side rail of the upper bunk foundation.	Pass
(7)	With no mattress on the bed, there shall be no openings in the structure	Pass

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Applicable Section	Description	Result
	between the lower edge of the uppermost member of the guardrail and the underside of the upper bunk's foundation that would permit passage of the wedge block of this part when tested in accordance with the procedure at § 1513.4(a).	
(b)	Bed end structures.	
(1)	The upper edge of the upper bunk end structures shall be at least 5 inches (130 mm) above the top surface of the mattress for at least 50 percent of the distance between the two posts at the head and foot of the upper bunk when a mattress and foundation of the maximum thickness specified by the manufacturer's instructions is on the bed.	Pass
(2)	With no mattress on the bed, there shall be no openings in the rigid end structures above the foundation of the upper bunk that will permit the free passage of the wedge block shown in Figure 1 when tested in accordance with the procedure at § 1513.4(b).	Pass
(3)	When tested in accordance with § 1513.4(c), there shall be no openings in the end structures between the underside of the foundation of the upper bunk and upper side of the foundation of the lower bunk that will permit the free passage of the wedge block shown in Figure 1, unless the openings are also large enough to permit the free passage of a 9-inch (230-mm) diameter rigid sphere.	Pass
(4)	All portions of the boundary of any opening required by §§ 1513.4(c)(1) and (2) to be probed by the wedge block of Figure 1, and that permits free passage of a 9-inch diameter sphere, must conform to the neck entrapment requirements of § 1513.4(c)(3).	Pass
§ 1513.4	Test methods.	
(a)	Guardrails (see § 1513.3(a)(6)). With no mattress on the bed, place the wedge block shown in Figure 1, tapered side first, into each opening in the rigid bed structure below the lower edge of the uppermost member of the guardrail and above the underside of the upper bunk's foundation. Orient the block so that it is most likely to pass through the opening (e.g., the major axis of the block parallel to the major axis of the opening) ("most adverse orientation"). Then, gradually apply a 33-lbf (147-N) force in a direction perpendicular to the plane of the large end of the block. Sustain the force for 1 minute.	Pass
(b)	Upper bunk end structure (see § 1513.3(b)(2)). Without a mattress or foundation on the upper bunk, place the wedge block shown in Figure 1 into any opening, tapered side first, and in the most adverse orientation. Determine if the wedge block can pass freely through the opening.	Pass
(c)	Lower bunk end structure (see § 1513.3(b)(3)).	Pass
(1)	Without a mattress or foundation on the lower bunk, place the wedge block shown in Figure 1, tapered side first, into each opening in the lower bunk end structure in the most adverse orientation. Determine whether the wedge block can pass freely through the opening. If the wedge block passes freely through the opening, determine whether a 9-inch (230-mm) diameter rigid sphere can pass freely through the opening.	Pass
(2)	With the manufacturer's recommended maximum thickness mattress and foundation in place, repeat the test in paragraph (c)(1) of this section.	Pass
(3)	All portions of the boundary of any opening that is required to be probed by the	Pass

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Applicable Section	Description	Result
	wedge block of Figure 1 by paragraphs (c)(1) and (c)(2) of this section, and that permits free passage of a 9-inch diameter sphere, must satisfy the requirements of paragraphs (c)(3)(i) and (c)(3)(ii) of this section addressing neck entrapment:	
(i)	Insert the "A" section of the test template shown in Figure 2 of this part into the portion of the boundary to be tested, with the plane of the template in the plane of the opening and with the centerline of the top of the template (as shown in Figure 2) aligned parallel to the centerline of the opening, until motion is stopped by contact between the test template and the boundaries of the opening (see Figure 3 of this part). By visual inspection, determine if there is simultaneous contact between the boundary of the opening and both sides of the "A" section of the template. If simultaneous contact occurs, mark the contact points on the boundary of the opening and conduct the additional test described in paragraph (c)(3)(ii) of this section.	Pass
(ii)	To check the potential for neck entrapment, place the neck portion of the "B" section of the template into the opening, with its plane perpendicular to both the plane of the opening and the centerline of the opening (see Figure 4 of this part). If the neck portion of the "B" section of the template can completely enter the opening (passes 0.75 inch or more beyond the points previously contacted by the "A" section of the template), the opening is considered to present a neck entrapment hazard and fails the test, unless its lower boundary slopes downward at 45° or more for the whole distance from the narrowest part of the opening the neck can reach to the part of the opening that will freely pass a 9-inch diameter sphere.	Pass
§ 1513.5	Marking and labeling.	Pass
(a)	There shall be a permanent label or marking on each bed stating the name and address (city, state, and zip code) of the manufacturer, distributor, or retailer; the model number; and the month and year of manufacture.	Pass
(b)	The following warning label shall be permanently attached to the inside of an upper bunk bed end structure in a location that cannot be covered by the bedding but that may be covered by the placement of a pillow.	Pass
§ 1513.6	Instructions. Instructions shall accompany each bunk bed set, and shall include the following information.	Pass
(a)	Size of mattress and foundation. The length and width of the intended mattress and foundation shall be clearly stated, either numerically or in conventional terms such as twin size, twin extra-long, etc. In addition, the maximum thickness of the mattress and foundation required for compliance with § 1513.3 (a)(5) and (b)(1) of this part shall be stated.	Pass
(b)	Safety warnings. The instructions shall provide the following safety warnings:	Pass
(1)	Do not allow children under 6 years of age to use the upper bunk.	Pass
(2)	Use guardrails on both sides of the upper bunk.	Pass
(3)	Prohibit horseplay on or under beds.	Pass
(4)	Prohibit more than one person on upper bunk.	Pass

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Applicable Section	Description	Result
(5)	Use ladder for entering or leaving upper bunk.	Pass
(6)	If the bunk bed will be placed next to a wall, the guardrail that runs the full length of the bed should be placed against the wall to prevent entrapment between the bed and the wall. (This applies only to bunk beds without two full-length guardrails.)	Pass

-NA= Not Applicable

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### C. ASTM F F1427-21e1 Standard Consumer Safety Specification for Bunk Beds

Applicable Section	Description	Result
1.	<p>Scope</p> <p>1.1 This consumer safety specification establishes minimum requirements for the design and performance of bunk beds. It also contains requirements for labeling and instructional material.</p> <p>1.2 This consumer safety specification is intended to minimize accidents to children resulting from normal use and reasonably foreseeable misuse or abuse of bunk beds. This consumer safety specification is written within the current state of the art of bunk bed technology and does not address bunk beds that are blatantly misused or are used in a careless manner that disregards warning statements and safety instructions provided with each bunk bed.</p> <p>1.3 For the purpose of this consumer safety specification, a bunk bed (hereinafter referred to as a bed) is defined as any structure that includes at least one sleeping surface in which the underside of any of its foundations is over 30 in. (762 mm) from the floor.</p> <p>1.4 This consumer safety specification does not address bunk beds for institutional use (for example, in prisons, military facilities, dormitories, and so forth).</p> <p>1.5 The values stated in inch-pound units, as well as any specified ISO/ANSI standard hardware, are to be regarded as the standard. The values given in parentheses are for information only.</p> <p>1.6 The following safety hazards caveat pertains only to the test methods portion, Section 5, of this specification: This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.</p> <p>1.7 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee</p>	
2.	Referenced Documents	
3.	Terminology	
4.	Performance Requirements	
4.1	Vertical Protrusions:	
4.1.1	All vertical protrusions along the top inside surfaces of any individual component (including but not limited to bed end structures and guard rails) of the upper bunk shall not extend more than 3/16 in. (4.8 mm) above the upper edge of the adjacent surface. Ladder stiles (uprights) shall not extend more than 3/16 in. (4.8 mm) above the upper edge of the adjacent surface.	Pass

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Applicable Section	Description	Result
4.1.2	Any cap used along the top surface of the upper bunk shall not have a vertical protrusion greater than 3/16 in. (4.8 mm) at the edge of the protrusion above the upper edge of the adjacent surface. If the cap is flush with or overhangs the edge of the corner post or other vertical protrusion, the maximum vertical protrusion shall not exceed 3/16 in. (4.8 mm). The cap shall have a maximum height of no more than 20 % of the width or diameter of the cap. At no point shall the cap overhang the post more than 1/16 in. (2 mm). The cap shall fit flush with the top of the corner post.	Pass
4.2	Fit of Top Bed to Bottom Bed—The bed post shall be designed so that the minimum height of lift to allow horizontal disengagement of the top bed from the bottom bed shall be 1 <sup>1/4</sup> in. (32 mm), or a fastening mechanism may be used that will prevent the disengagement of the top bed from the bottom bed.	Pass
4.3	Mattress and Foundation Size and Fit (Top Bed)—There shall be no gaps between the interior bed structure and the edges of the mattress and foundation that will permit complete passage of the wedge block when tested in accordance with 5.2	Pass
4.4	Mattress Size and Fit (Lower Foundation)—There shall be no space, between the edge of the manufacturer’s recommended mattress and the interior boundary of any component(s) attached to lower bunk (for example, ladders, book shelves, desk), greater than 1.88 in. (48 mm) and smaller than 9 in. (229 mm), when tested in accordance with 5.3.	Pass
4.5	Upper and Lower Foundation Support Systems:	Pass
4.5.1	The foundation support systems shall confine the horizontal position of the mattress and the foundation and shall prohibit the mattress and foundation from falling when the mattress or foundation is manipulated.	Pass
4.5.2	In the event cross-members are utilized, a minimum of two per bed are required. If more than two cross-members are utilized, they shall be spaced so that the distance between adjacent cross-members or between the cross-members and the bed end structures will not permit complete passage of the wedge block or will allow complete passage of both the wedge block and a 9 in. (229 mm) diameter rigid sphere when tested in accordance with 5.9.	Pass
4.5.3	The foundation support system shall not be capable of being dislodged without the release of positive fastening devices or the use of hand tools.	Pass
4.5.4	The foundation support system shall not fail when tested in accordance with 5.4.	Pass
4.6	Side Rails:	Pass
4.6.1	Bolt-On Side Rails, that attach at their ends or on their side to the bed post, shall be secured at each end by two bolts with a minimum size of 1/4 in. (6.4 mm) diameter or ISO/ANSI size M6. For wood beds, these bolts shall be spaced a minimum of 1 <sup>1/2</sup> in. (38 mm) apart on their centers. When the bolts are fully tightened in the assembled bed, no more than 1/4 in. (6.4 mm) of thread shall be exposed.	Pass
4.6.2	Hook-On Side Rails, securely attached to the bed post. Hook-on attachments shall require an additional action other than an upwards force to disengage.	Pass
4.6.3	Side Rail Attachments—There shall be no structural failure of bed side rail fastening systems when tested in accordance with 5.5.	Pass

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Applicable Section	Description	Result
4.7	Guardrails:	
4.7.1	Two guardrails shall accompany any bed in which the underside of the foundation is over 30 in. (762 mm) from the floor. Guardrails may be separate from or integral with the ladder.	Pass
4.7.2	Guardrails shall be attached in a manner that requires the intentional release of a fastening device or be so designed that they cannot be removed unless forces are applied sequentially in different directions.	Pass
4.7.3	The upper edge of the guardrails shall be at least 5 in. (127 mm) above the sleeping surface when a mattress of a thickness that is the maximum specified by the manufacturer's instructions is used on the bed.	Pass
4.7.4	With no mattress on the bed, there shall be no openings in the rigid bed structure below the lower edge of any opening of the guardrail that would permit complete passage of the wedge block when tested in accordance with 5.6.	Pass
4.7.5	A guardrail may terminate before reaching the bed end structure, providing there is no more than 15 in. (381 mm) between either end of the guardrail and the bed end structures in the same plane when measured at a point 5 in. (127 mm) above the sleeping surface as established by the maximum mattress thickness specified by the manufacturer. The second guardrail may terminate before reaching the bed end structure. If this guardrail terminates before reaching the bed end structure, there shall be no more than 0.22 in. (5.6 mm) between either end of the guardrail and the bed end structure when measured horizontally between the bed end structure and the nearest point on the guardrail.	Pass
4.8	Bed Structure:	Pass
4.8.1	The upper edge of the upper bunk end structures for at least 50 % of the distance between the two posts at the head and foot of the upper bunk shall be at least 5 in. (127 mm) above the sleeping surface when a mattress and foundation of the maximum size and thickness specified by the manufacturer's instructional literature is used on the upper bunk.	Pass
4.8.2	There shall be no openings in the rigid end structures of the upper bunk/bunks that will permit the free passage of the wedge block when tested in accordance with 5.7.1. This requirement shall apply only to those portions of the bed end structure that are above the foundation support system of the upper bunk/bunks.	Pass
4.8.3	When tested in accordance with 5.7.2, there shall be no openings within the entire boundary of the lower bunk that will permit free passage of the wedge block, unless they are large enough to permit the free passage of a 9 in. (229 mm) diameter rigid sphere. This requirement does not apply to openings that are below the level of the lower bunk foundation support system. This requirement shall apply to that portion of the bed structure that is between the level of the lower bunk foundation support system and the level of the upper bunk foundation support system. Such openings include, but are not limited to, bed end structures, foundation, ladders, desks, or bookshelf components, or a combination thereof, as offered with the bed for purchase and designed to be attached to the bed structure.	Pass

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Applicable Section	Description	Result
4.8.4	When tested in accordance with 5.7.2.3 and 5.7.2.4, all portions of the boundary of any opening of the entire lower bunk boundary that permits free passage of a 9 in. (229 mm) diameter rigid sphere also must conform to the neck entrapment requirement.	Pass
4.9	Ladders:	Pass
4.9.1	A lean-on (slanted) or hang-on (vertical) ladder shall be supplied with each bunk bed set or the ladder may be incorporated as part of the bed structure. The ladder may be separate from or integral with the guardrail. The ladder shall be attached in a manner that prevents inadvertent disengagement, repositioning, or tilting while in use.	Pass
4.9.2	There shall be no openings between ladder structures that allow complete passage of the wedge block, unless they are large enough to permit the free passage of the 9 in. (229 mm) diameter rigid sphere. The width of the ladder shall be no less than 10 in. (254 mm) measured from the inside of the stiles. Vertical spacing of ladder steps shall be no greater than 12 in. (305 mm) when measured from the floor to the first step or between steps. When bed structures are used as ladders, vertical spacing may be up to 16 in. (407 mm).	Pass
4.9.3	There shall be no openings between the ladder step and the upper bunk boundary that allow complete passage of the wedge block, unless they are large enough to permit the free passage of the 9 in. (229 mm) diameter rigid sphere.	Pass
4.9.4	For ladders attached to the side of the lower bed and for which mattress height is above the side rail, there shall be no gaps between the edge of the manufacturers recommended mattress and the interior vertical stile between 1.88 in. (48 mm) and 9 in. (229 mm) when tested in accordance with 5.3.	Pass
4.10	Metal Beds: Frame and Fastenings—There shall be no separation of any of the attachments of the foundation support system to the end structures of the bed when tested in accordance with 5.8.1.1 and 5.8.2.	Pass
5.	Test Methods	
5.1	Assemble the bed in accordance with the provided instructions.	Pass
5.2	Mattress and Foundation Size and Fit—Upper Foundation:	Pass
5.3	Mattress Size and Fit	Pass
5.4	Foundation Support System	Pass
5.5	Side Rails	Pass
5.6	Guardrails	Pass
5.7	Bed End Structure	Pass
5.8	Metal Beds	Pass
5.9	Cross-Member Spacing	Pass
5.10	Permanency of Labels and Warnings	Pass
6.	Marking and Labeling	Pass
6.1	There shall be a permanent label or marking on each bunk bed set to enable a consumer to identify the name, city, state, and zip code of the manufacturer,	Pass

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Applicable Section	Description	Result
	distributor, or seller and the month, model number, and year of manufacture.	
6.2	Warnings:	Pass
6.3	The permanent label (see 6.1) and warning labels applied to the bed shall meet the requirements of 5.10.	Pass
7.	Instructional Literature	Pass
7.1	Printed instructions shall accompany each bunk bed set including, as a minimum, the following information	Pass
7.2	Parts List	Pass
7.3	Assembly Instructions, containing detailed diagrams showing exactly how the bed should be assembled, including specific instructions pertaining to the following:	Pass
7.4	Size of Mattress and Foundation	Pass
7.5	Replacement Parts	Pass
7.6	Safety Warnings	Pass
8.	Keywords	

-NA= Not Applicable

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**Tested part(s):**

Seq. no	Part(s) name
1	Black coating

**D. USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint**

**Test method:** Lead in paint and other similar surface coatings: With reference to CPSC-CH-E1003-09.1, sample was digested with acid mixture and analyzed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Item	Unit	MDL	Results	Limit(Each)
			1	
Lead Content (Pb)	mg/kg	5	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	/

**E. USA 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 inductively coupled plasma atomic emission spectrometer (ICP-AES).

Item	Unit	MDL	Results	Limit(Each)
			1	
Lead Content (Pb)	mg/kg	5	NA	100
<b>Conclusion</b>	/	/	<b>NA</b>	/

**(2) Paint and similar surface coating material**

**Test method:** Lead in paint and other similar surface coatings: With reference to CPSC-CH-E1003-09.1, sample was digested with acid mixture and analyzed by inductively coupled plasma atomic emission spectrometer (ICP-AES)

Item	Unit	MDL	Results	Limit(Each)
			1	
Lead Content (Pb)	mg/kg	5	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	/

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

### USA 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 sol vent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

Item	Unit	MDL	Results	Limit(Each)
			1	
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.
- NA= Not Applicable
- %=Percentage by weight.
- 0.1%=1000mg/kg, mg/kg=ppm.
- The selection of test portions is strongly recommended by the client and the conclusion of chemical test is only for the selected portion.

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## G. CPSA Section 14(a) (5) Tracking Labels for Children's Products (15 USC §2063(a)(5) (CPSA))

Applicable Section	Description	Result
(a)(5) (A)	Effective 1 year after the date of enactment of the Consumer Product Safety Improvement Act of 2008, the manufacturer of a children's product shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable, that will enable—	Pass
(i)	the manufacturer to ascertain the location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks; and	Pass
(ii)	the ultimate purchaser to ascertain the manufacturer or private labeler, location and date of production of the product, and cohort information (including the batch, run number, or other identifying characteristic).	Pass
(B)	The Commission may, by regulation, exclude a specific product or class of products from the requirements in subparagraph (A) if the Commission determines that it is not practicable for such product or class of products to bear the marks required by such subparagraph. The Commission may establish alternative requirements for any product or class of products excluded under the preceding sentence consistent with the purposes described in clauses (i) and (ii) of subparagraph (A).	NA
(b)	The Commission may by rule prescribe reasonable testing programs for any product which is subject to a consumer product safety rule under this Act, or a similar rule, regulation, standard, or ban under any other Act enforced by the Commission, and for which a certificate is required under subsection (a). Any test or testing program on the basis of which a certificate is issued under subsection (a) may, at the option of the person required to certify the product, be conducted by an independent third party qualified to perform such tests, unless the Commission, by rule, requires testing by an independent third party for a particular rule, regulation, standard, or ban, or for a particular class of products.	Pass
(c)	The Commission may by rule require the use and prescribe the form and content of labels which contain the following information (or that portion of it specified in the rule) —	Pass
(1)	The date and place of manufacture of any consumer product.	Pass
(2)	The cohort information (including the batch, run number, or other identifying characteristic) of the product.	Pass
(3)	A suitable identification of the manufacturer of the consumer product, unless the product bears a private label in which case it shall identify the private labeler and shall also contain a code mark which will permit the seller of such product to identify the manufacturer thereof to the purchaser upon his request.	Pass
(4)	In the case of a consumer product subject to a consumer product safety rule, a certification that the product meets all applicable consumer product safety standards and a specification of the standards which are applicable. Such labels, where practicable, may be required by the Commission to be permanently marked on or affixed to any such consumer product. The	Pass

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Applicable Section	Description	Result
	Commission may, in appropriate cases, permit information required under paragraphs (1) and (2) of this subsection to be coded.	
(d)	REQUIREMENT FOR ADVERTISEMENTS.—No advertisement for a consumer product or label or packaging of such product may contain a reference to a consumer product safety rule or a voluntary consumer product safety standard unless such product conforms with the applicable safety requirements of such rule or standard.	Pass
(e)	WITHDRAWAL OF ACCREDITATION-	Pass
(f)	DEFINITIONS.--In this section	Pass
(g)	REQUIREMENTS FOR CERTIFICATES.-- (1) IDENTIFICATION OF ISSUER AND CONFORMITY ASSESSMENT BODY.--Every certificate required under this section shall identify the manufacturer or private labeler issuing the certificate and any third party conformity assessment body on whose testing the certificate depends. The certificate shall include, at a minimum, the date and place of manufacture, the date and place where the product was tested, each party's name, full mailing address, telephone number, and contact information for the individual responsible for maintaining records of test results.	Pass
(h)	RULE OF CONSTRUCTION.	Pass
(i)	ADDITIONAL REGULATIONS FOR THIRD PARTY TESTING	Pass

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### \*\* Modified History \*\*

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2023/04/27	Jason Zhou
Revision 2.0	Add product pictures	2023/05/15	Jason Zhou



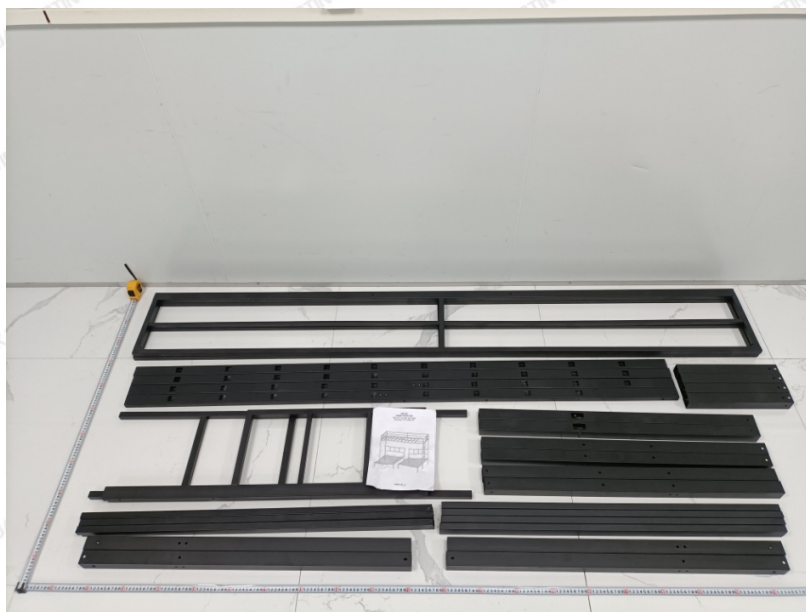
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## Photograph of Sample



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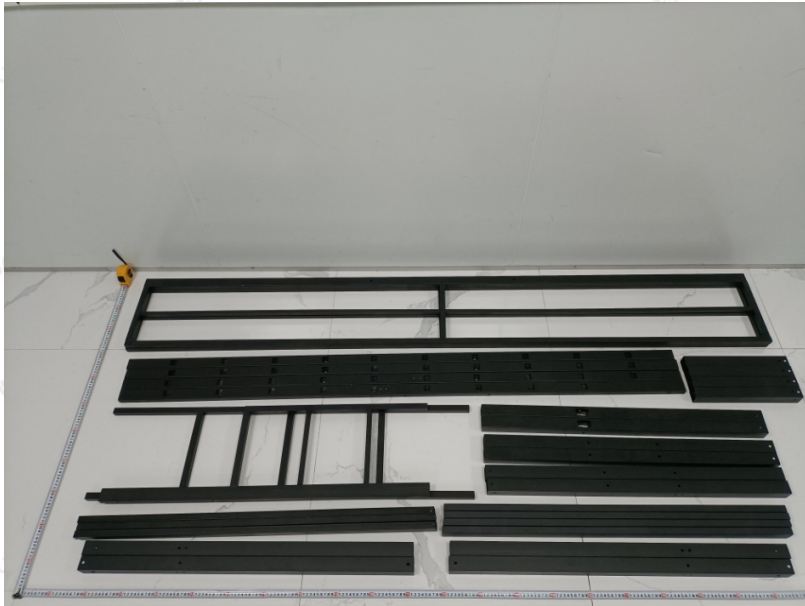
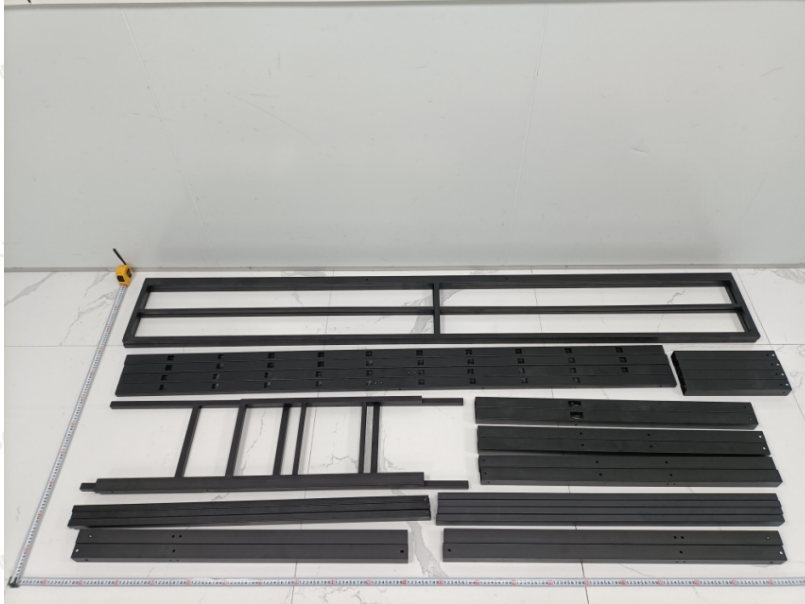


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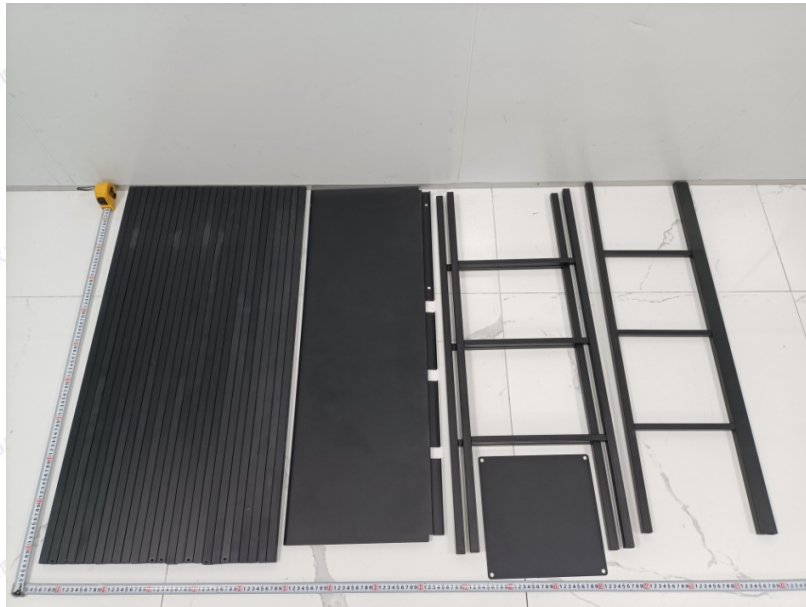


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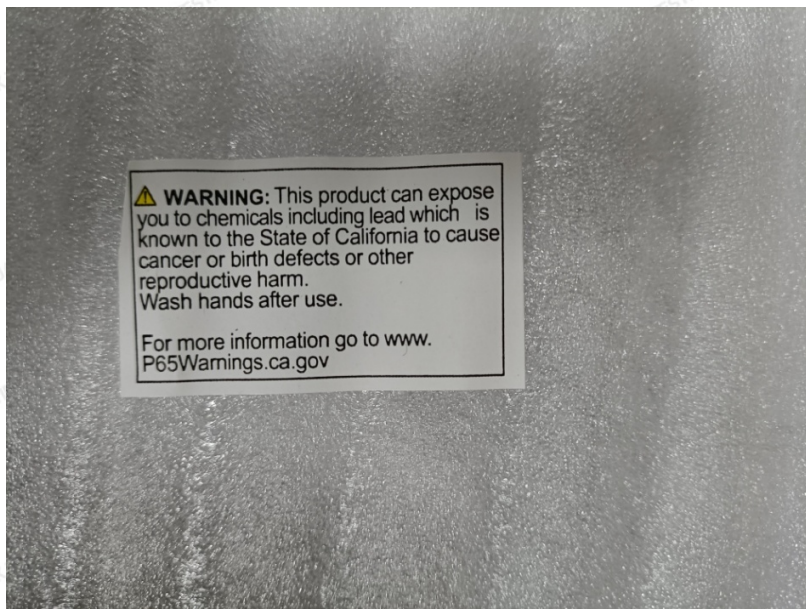


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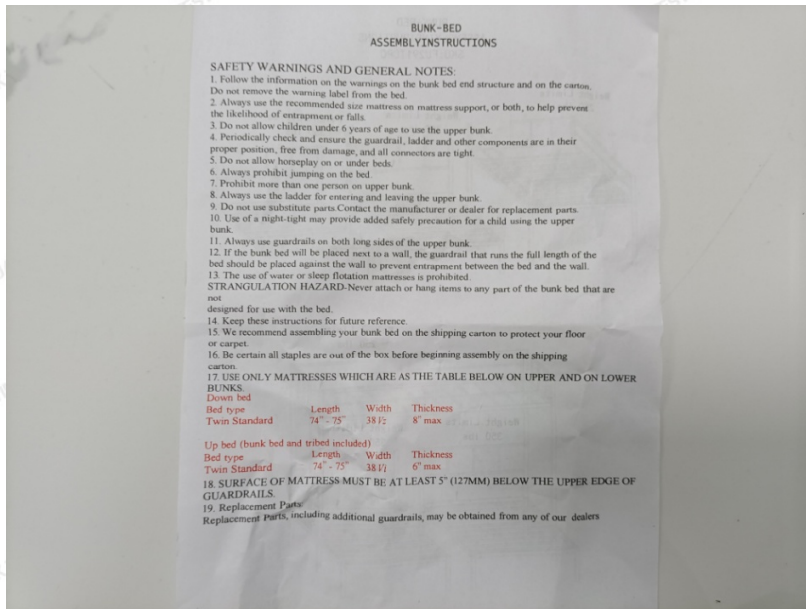


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Productname: Metal Bunk Bed Frame  
Model: MG00005AAB  
Manufacturer: Shenzhen huitai Zhonghong Technology Co., Ltd  
Manufacturer Address: 1206, building a, Fujian building, CaiTian Road, Futian street, Futian District, Shenzhen  
Age Range: Over 7 years old  
Production Date: 2023.4.13  
Made in China

## **⚠️ WARNING :**

**CHOKING HAZARD**—small parts.

Not for children under 3 years.

HUAK authenticate the photo on original report only

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

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