Test Report **No.:** **70.404.23.11543.01**
Dated: **2023-10-11**

Applicant: BAZHOU HONGKUNMEISI FURNITURE CO.,LTD (HOMAXLIFE)
Address: TANGERLI TOWN, BAZHOU CITY, LANGFANG CITY, HEBEI PROVINCE, CHINA
Product Name: Metal bed
Model No.: HM-MB-2219
Buyer:
Manufacturer: Same as applicant
Country of Origin: /
Country of Destination: /
Receipt Date of Sample: 2023-09-13
Date of Testing: From 2023-09-13 to 2023-10-08
Sample Submitted: The sample was submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Specification(s) or Test Item(s):	**Conclusions:**
1. **EN 747-1:2012+A1:2015 Furniture- Bunk beds and high beds Part 1: Safety, strength and durability requirements (Testing Method: EN 747-2:2012+A1:2015 Furniture- Bunk beds and high beds Part 2: Test methods)**	**Pass** **(See remarks)**

Hardline laboratory

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch Testing Center

Prepared by:

Chaohe Yang

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Project Handler

Authorized by:

Gu, Xiaodong
Designated Reviewer

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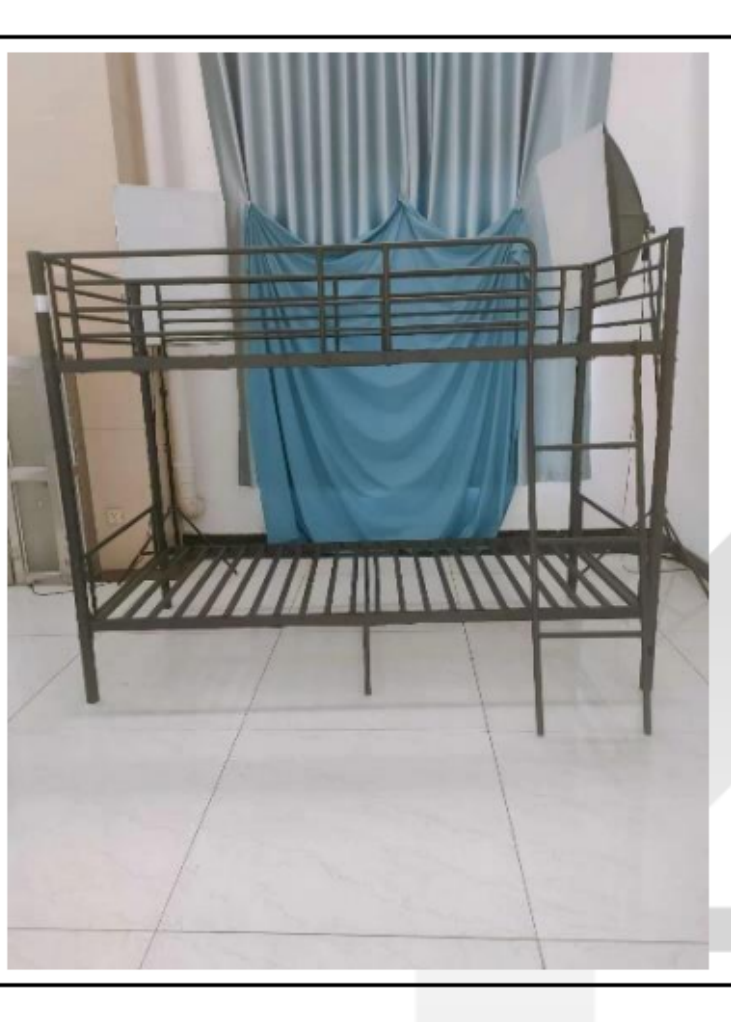
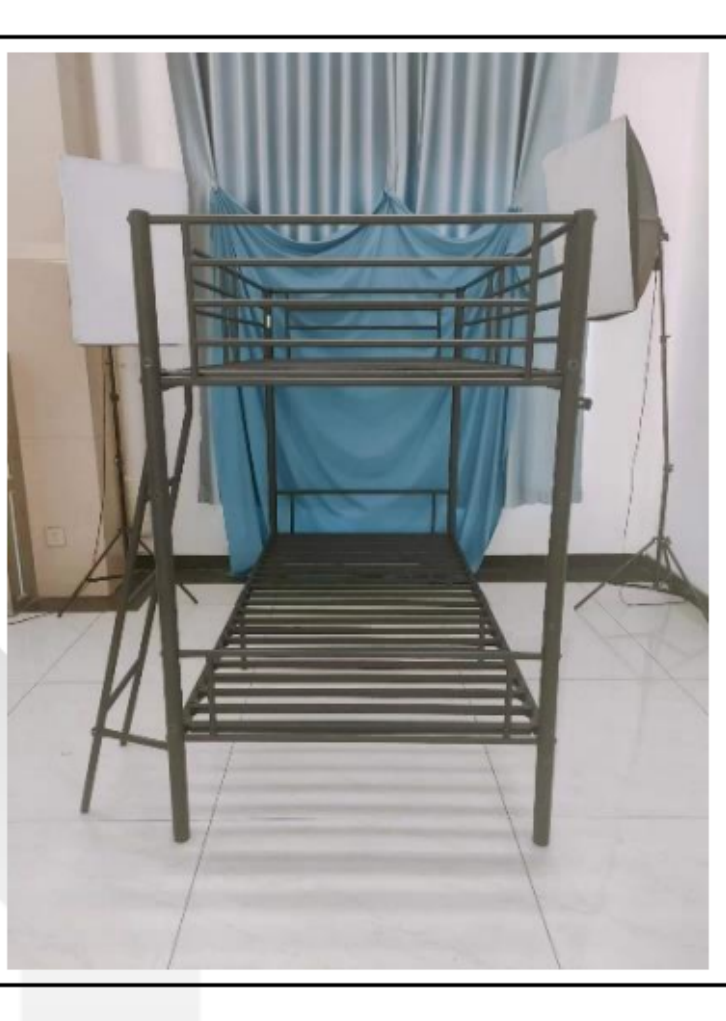
Description of the test subject:

1	**Product Description**	Metal bed
2	**Dimensions / Weight**	D1990 x W1251 x H1504 (mm)
Front View		Side View
		

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Test Results:

1. **EN 747-1:2012+A1:2015 Furniture- Bunk beds and high beds Part 1: Safety, strength and durability requirements (Testing Method: EN 747-2:2012+A1:2015 Furniture- Bunk beds and high beds Part 2: Test methods)**

Clause	Requirement -Test	Measuring result- Remark	Verdict
4.1	Construction		P
4.1.1	General		P
4.1.2	Accessible holes, gaps and openings		P
4.1.2.1	General EN 747-2:2012+A1:2015 5.3		P
4.1.2.2	Head entrapment on the outside of the bunk bed/high bed EN 747-2:2012+A1:2015 5.3.2	The portion B of the template do not enter the opening to the full thickness of the template (45mm).	P
4.1.3	Bed base	Minimum ventilation area > 35 cm^2 The openings fulfill the requirement in 4.1.2.	P
	Static load on safety barriers EN 747-2:2012+A1:2015 5.4.2	Vertical upwards force: 200 N; Cycle: 10 x 30 s Horizontal force outwards: 500 N; Cycle: 10 x 30 s Horizontal force inwards: 500 N. Cycle: 10 x 30 s Vertical downward force: 1 000 N Cycle: 10 x 30 s The bed base and its elements were not fall down.	P
	Measuring of holes, gaps and openings EN 747-2:2012+A1:2015 5.3		P
	Upwards and downwards static load on bed base EN 747-2:2012+A1:2015 5.4.3	Vertical downward force: 1200 N Cycle: 10 x 30 s No breaking, falling down or becoming detached was found after test.	P
	Impact test on bed base EN 747-2:2012+A1:2015 5.4.4	Impactor: 25kg Impact height: 180mm Cycles:10 No breaking, falling down or becoming detached was found after test.	P
	Durability test on bed base EN 747-2:2012+A1:2015 5.4.5	Vertical downward force: 1000 N Cycle: 10000	P
4.1.4	Safety barriers		P
	Measuring of holes, gaps and openings EN 747-2:2012+A1:2015 5.3	The distance between the upper edge of the safety barriers and the upper surface of the bed base was 319mm. The top of the mattress was 160 mm below the upper edge of the safety barriers Radius of the upper corners of the safety barrier was <85 mm. The opening for access width was 394 mm. The horizontal distance between the outside of the top safety barrier and the vertical projection of the outermost point of the legs/posts was 0mm or >230 mm. The clear space between two adjacent retaining elements was between 60mm and 75mm.	P
	Static load on safety barriers EN 747-2:2012+A1:2015 5.4.2	Vertical upwards force: 200 N; Cycle: 10 x 30 s Horizontal force outwards: 500 N; Cycle: 10 x 30 s Horizontal force inwards: 500 N. Cycle: 10 x 30 s Vertical downward force: 1 000 N Cycle: 10 x 30 s	P
4.1.5	Ladder or other means of access-----Dimensions of treads	The distance from the floor to the upper surface of the first tread was 307 mm. The distance between the upper surfaces of two successive treads was 295 mm. The distance between the upper surfaces of the treads was 1 mm. The distance between the top tread and the point of access was 311 mm. The clear distance between two successive treads was 276 mm. The usable width of the tread was 312 mm. The front edges of all treads were on a straight line <20 mm. The effective step depth was >90 mm.	P
	Measuring of holes, gaps and openings EN 747-2:2012+A1:2015 5.3	The 25mm cone could not pass through the gap between the tread and the stairs side column. The 75mm cone could not pass through the gap between the lowest tread and the lower bed frame and the gap between the highest tread and the upper bed frame.	P
4.2	Strength of ladder or other means of access: Attachment, deflection and strength	The bed was provided with a means of access which was not break, become detached or deform permanently by more than 5 mm.	P
	Ladder or other means of access – Vertical static load on treads EN 747-2:2012+A1:2015 5.6.1	Vertical downward force: 1200 N Cycle: 10 x 30 s	P
	Horizontal static loads on treads EN 747-2:2012+A1:2015 5.6.2	Vertical downward force: 2×500N Horizontal Force: 500N	P
	Durability of treads EN 747-2:2012+A1:2015 5.6.3	Vertical Force: 1000N Cycles:1000	P
	Tread impact test EN 747-2:2012+A1:2015 5.6.4	Impact height: 150mm Cycles:10	P
4.3	Strength of frame and fastenings	The frame and structural fastenings was not damaged, malfunction or any part detached.	P
	Static load on safety barriers EN 747-2:2012+A1:2015 5.4.2	Vertical upwards force: 200 N; Horizontal force outwards: 500 N; Horizontal force inwards: 500 N. Cycle: 10 x 30 s Vertical downward force: 1 000 N Cycle: 10 x 30 s	P
	Durability test of frame and fastenings EN 747-2:2012+A1:2015 5.5	The is intend to fixed to the structure of building.	N/A
4.4	Stability EN 747-2:2012+A1:2015 5.7	The is intend to fixed to the structure of building.	N/A
4.5	Fastening of the upper bed to the lower bed EN 747-2:2012+A1:2015 5.8	Upward vertical static force: 500 N cycles:1×30s	P

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Abbreviation: P=Pass; F=Fail; N/A = Not Applicable; N/T=Not Tested; N/R=Not Requested

Remark:
1. The sample has been examined according to the minimum requirements described in the product standard.
2. Maximum thickness of the mattress to be used with the bed had been marked on the bed.

-End of Test Report-

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