

TEST REPORT

Report No.: IQTS20241755RC101


Page 1 of 15

Applicant : Shenzhen huitai Zhonghong Technology Co., Ltd
Address : Room 506, Building A, Fujian Building, No. 2048 Caitian Road, Fushan Community, Futian Street, Futian District, Shenzhen
Manufacturer's name : Shenzhen huitai Zhonghong Technology Co., Ltd
Address : Room 506, Building A, Fujian Building, No. 2048 Caitian Road, Fushan Community, Futian Street, Futian District, Shenzhen

Report on the submitted samples said to be:

Sample Name : Metal Loft Bed
Sample Description : Metal Loft Bed
Trade Mark : N/A
Model No. : MG00041AAB, MG00042AAB, MG00043AAB
ASIN : N/A
Labeled Age Grading : 6 + years old
Requested Age Grading : 6 + years old
Age Group Applied in Testing : 6 + years old
Testing Period : April 08, 2024 ~ April 11, 2024
Date of issue : April 18, 2024
Results : Please refer to next page(s).

Signed for and on behalf of IQTS


Tom Yang



TEST REPORT

Report No.: IQTS20241755RC101

Page 2 of 15

TEST REQUEST

CONCLUSION

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	Pass
	2. 16 CFR 1501 Small Objects	Pass
	3. 16 CFR 1500.48 Sharp point	Pass
	4. 16 CFR 1500.49 Sharp edge	Pass
B	CPSIA section 101(a)(2)-Lead in accessible substrate materials and 15 U.S.C. § 1278a Lead in Children's products	Pass
C	Consumer Product Safety Commission 16 CFR Ch.II Part 1303 - Ban of Lead in paint and similar surface coating	Pass
D	US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 108 requirement on phthalates content	Pass
E	ASTM F1427-19 Standard Consumer Safety Specification for Bunk Beds	Pass
F	CPSIA Section 103 Tracking Labels for Children's Products	Pass



TEST REPORT

Report No.: IQTS20241755RC101

Page 3 of 15

Results:

Tested part(s):

- (1) Black metal
- (2) Black wood
- (3) Black plastic

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

<u>Section</u>	<u>Description</u>	<u>Result</u>
16 CFR 1500.50.51.52.53	Normal use testing	Pass
	Abuse testing	
	Impact test (53b)	Pass
	Bite test	N/A
	Flexure test	N/A
	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.	N/A
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



TEST REPORT

Report No.: IQTS20241755RC101

Page 4 of 15

B. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 101 for total lead content

Test method: With reference to CPSC-CH-E1001-08.3 & CPSC-CH-E1002-08.3 and 15 U.S.C. § 1278a by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Total Lead Content.

Item	Unit	MDL	Results	Limit
			1+2+3	
Lead Content (Pb)	mg/kg	2	N.D.	100

C. Consumer Product Safety Commission 16 CFR Ch.II Part 1303 - Ban of Lead in paint and similar surface coating

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)

Total Lead Content in Paint/Similar Surface Coating Materials.

Item	Unit	MDL	Results	Limit
			1+2+3*	
Lead Content (Pb)	mg/kg	2	N.D.	90



TEST REPORT

Report No.: IQTS20241755RC101

Page 5 of 15

D. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 108 requirement on phthalates content

Test method: With reference to CPSC-CH-C1001-09.4, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

Item	Unit	MDL	Results	Limit
			1+2+3	
Dibutyl Phthalate (DBP)	mg/kg	30	N.D.	1000
Benzyl butyl Phthalate (BBP)	mg/kg	30	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	1000
Dihexyl Phthalate (DNHP)	mg/kg	30	N.D.	1000
Diisononyl Phthalate (DINP)	mg/kg	30	N.D.	1000
Dipentyl Phthalate (DPP)	mg/kg	30	N.D.	1000
Dicycphexyl Phthalate (DCHP)	mg/kg	30	N.D.	1000
Diisobutyl Phthalate (DIBP)	mg/kg	30	N.D.	1000



TEST REPORT

Report No.: IQTS20241755RC101

Page 6 of 15

E. ASTM F1427-19 Standard Consumer Safety Specification for Bunk Beds

<u>Applicable Section</u>	<u>Description</u>	<u>Result</u>
4	Performance Requirements	
4.1	Vertical Protrusions	Pass
4.2	Fit of Top Bed to Bottom Bed	NA
4.3	Mattress and Foundation Size and Fit (Top Bed)	NA
4.4	Mattress Size and Fit (Lower Foundation)	NA
4.3	Mattress and Foundation Size and Fit	NA
4.4	Mattress Size and Fit	NA
4.5	Upper and Lower Foundation Support Systems	Pass
4.6	Side Rails	Pass
4.7	Guardrails	Pass
4.7.1	Two guardrails shall accompany any bed in which the underside of the foundation is over 30 in. 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
4.8	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. 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
4.9	Ladders	Pass
4.9.1	A lean-on or hang-on 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
6	Marking and Labeling	
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, distributor, or seller and the month, model number, and year of manufacture.	Pass



TEST REPORT

Report No.: IQTS20241755RC101

Page 7 of 15

F.CPSIA Section 103 - Tracking Labels for Children' s Products

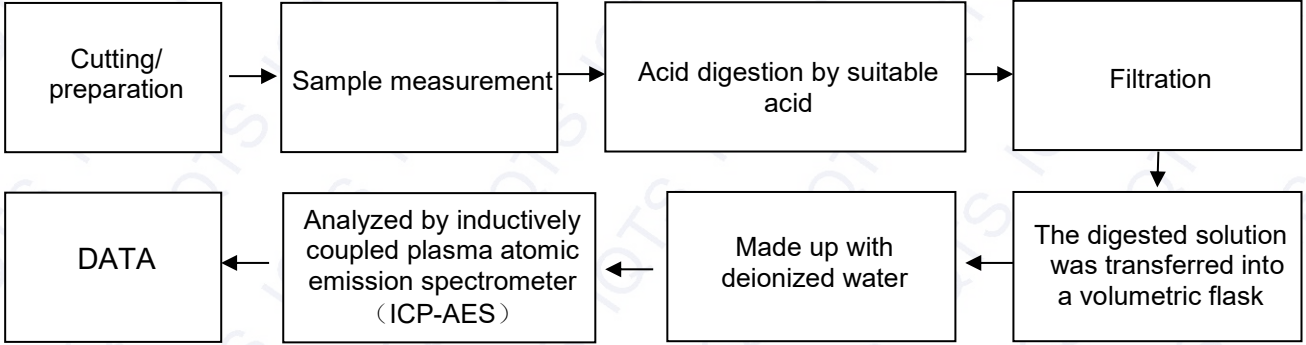
<u>Description</u>	<u>Result</u>
a) Is the product intended for children under 12 years? If no, the section is not applicable.	Pass
b) Is the product under the exemption of marking on children's product?	Pass
1.Product is too small to be marked.	N/A
2.Products stay with or be contained in their original packaging.	Pass
3.Product is sold through a bulk vending machine.	N/A
4.Physical mark would weaken or damage the product or impair its utility.	N/A
5.Product surface would be impossible to mark permanently.	N/A
6.Aesthetics of the product would be ruined by a mark.	Pass
c) Is the product and packaging or only packaging (for product exempted from the marking) marked below information?	Pass
Name of the manufacturer or the name of the private labeler. (Name:Shenzhen huitai Zhonghong Technology Co., Ltd)	Pass
Manufacturer or private labeler location, including the name of the country, and the name or other means of coding of city and state. (Location: Room 506, Building A, Fujian Building, No. 2048 Caitian Road, Fushan Community, Futian Street, Futian District, Shenzhen)	Pass
3) Date of production of the product, in a form of MM/YY or any other coding system. (Date: March 05, 2024)	Pass
Cohort information (including the batch, run number, or another identifying characteristic). (Model No.: MG00041AAB, MG00042AAB, MG00043AAB)	Pass
d) Is the label permanent after below permanency testing?	Pass



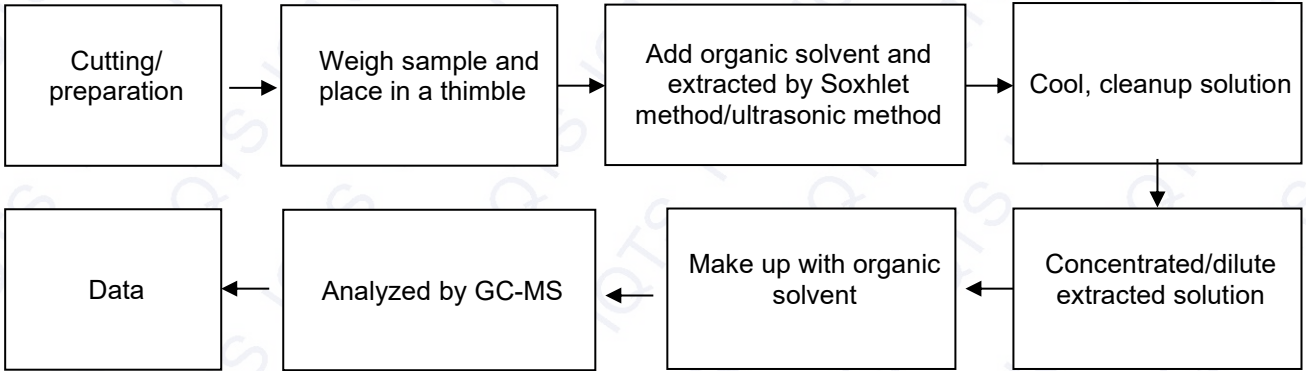
TEST REPORT

Appendix

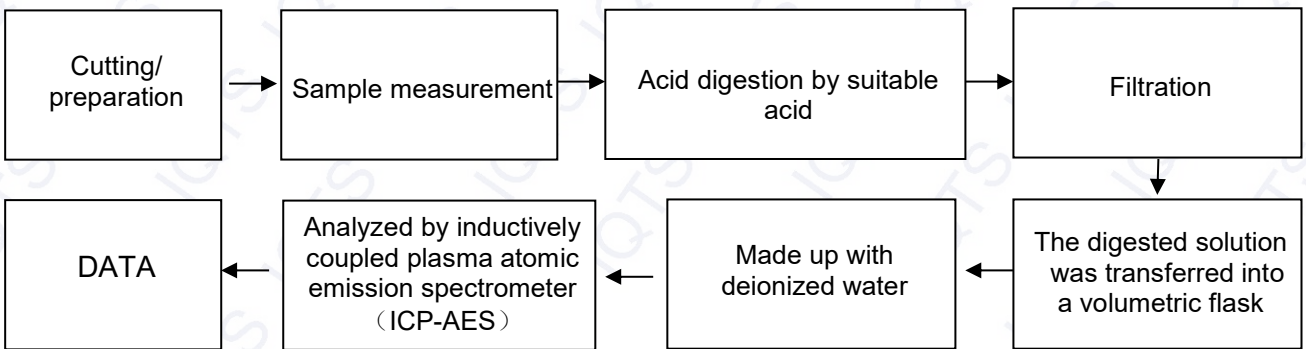
A. Test flow chart for Total Lead Content:



B. Test flow chart for Phthalates content:



C. Test flow chart for Lead, Cadmium, Mercury and Hexavalent Chromium content :





TEST REPORT

Report No.: IQTS20241755RC101

Page 9 of 15

The photo of the sample



TEST REPORT

Report No.: IQTS20241755RC101

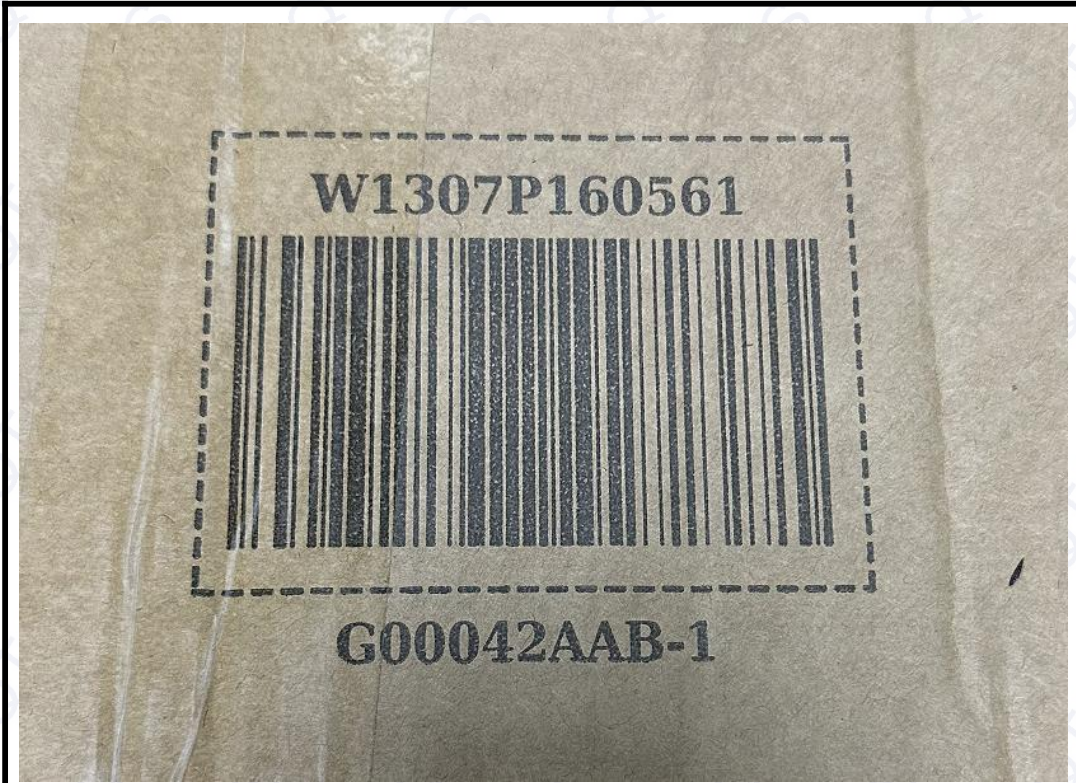
Page 10 of 15



TEST REPORT

Report No.: IQTS20241755RC101

Page 11 of 15



TEST REPORT

Report No.: IQTS20241755RC101

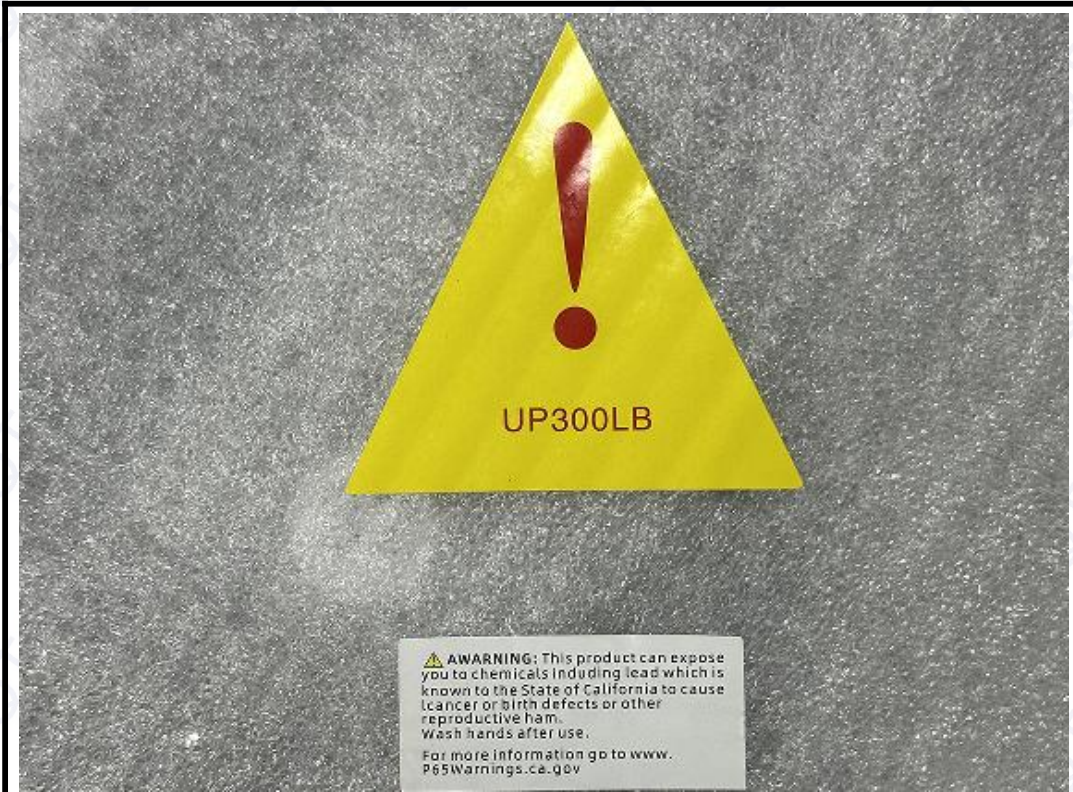
Page 12 of 15



TEST REPORT

Report No.: IQTS20241755RC101

Page 13 of 15



MG00041AAB, Full Metal Loft Bed



TEST REPORT

Report No.: IQTS20241755RC101

Page 14 of 15

MG00042AAB, Twin XL Metal Loft Bed



MG00043AAB, Full XL Metal Loft Bed



TEST REPORT

Report No.: IQTS20241755RC101

Page 15 of 15

Ages 6+ years old

Product name: Metal Loft Bed
Model No.: MG00041AAB, MG00042AAB, MG00043AAB

⚠ WARNING:

CHOKING HAZARD-Small parts Not for children under 3 years
Manufacture: Shenzhen huitai Zhonghong Technology Co., Ltd
Manufacture Address : Room 506, Building A, Fujian Building, No. 2048 Caitian Road, Fushan
Community, Futian Street, Futian District, Shenzhen
Importer:
Address :

Batch No.:
Date of manufacture: March.5.2024

IQTS authenticate the photo on original report only

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

Statement:

1. The test report is considered invalidated without approval signature, special seal on the perforation.
2. The result(s) shown in this report refer only to the sample(s) tested.
3. Without written approval of IQTS, this report can't be reproduced except in full.
4. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which IQTS hasn't verified.
5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

