

## Test Report

Number: SZHH01845899

Applicant: HOUSE & HOME SDN BHD  
LOT 6476 LORONG SG PULOH, BATU 6, JALAN  
KAPAR,42100, KLANG SELANGOR,MALAYSIA

Date: Sep 22, 2023

Attn: Phoebe

### Sample Description:

One (1) set of submitted sample said to be :

Item Name : **Metal Bed Queen (Full) Size.**  
Color : Matte Black H01 & Matte White H02 & Silver (Gray or Grey) H03 & Texture White (Manila White) H04 & Gray H07 & GOLD H088 PINKROSE GOLD H09 & Rose Gold H43 & Grey H56 & Pewter H58 & Antique Brown H77.  
Labelled Age Group : Not Specified.  
Applicant Specified Age : Over 3 years.  
Grading for Testing :  
Packaging Provided by Applicant : No.  
Additional Material and Wet Paint Provided : No.  
Manufacturer : House & Home SDN BHD.  
Country of Origin : Malaysia.  
Country of Destination : USA/Canada.  
Date Sample Received : Sep 11, 2023.  
Testing Period : Sep 11, 2023 – Sep 19, 2023.



### Tests conducted:

As requested by the applicant, refer to attached page(s) for details.



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Conclusion:

Tested Samples  
Submitted samples

Test Item  
Static Load Test  
- As per the client's requirement

Result  
Pass

Requirement  
U.S. CFR Title 16 (CPSC Regulations)  
Mechanical and physical test

Result  
Pass

Test item  
Labeling Assessment  
- As per the client's requirements

Result  
Not Applicable

Tested Sample  
Tested components of  
submitted samples

Test Item  
Applicant's requirement on total mercury content

Result  
Pass  
(See remark)

Dorel's requirement on total Lead (Pb) content

Pass  
(See remark)

Dorel's requirement on total Lead and Mercury content in  
surface coating

Pass  
(See remark)

Standard  
U.S. CFR Title 16 Part 1303 total Lead content

Result  
Pass  
(See remark)

Test Item  
Applicant's requirement with reference to U.S. Consumer  
Product Safety Improvement Act 2008 Title I, Section 101  
for total Lead content in surface coating

Pass  
(See remark)

Applicant's requirement with reference to Canada  
Consumer Product Safety Act Toys Regulations SOR/2011-  
17 and Amendment SOR/2022-122 Section 23 on toxic  
elements test

Pass  
(See remark)

Applicant's requirement with reference to Canada  
Consumer Product Safety Act Surface Coating Materials  
Regulations SOR/2016-193 and Amendment SOR/2022-  
122 on Lead content

Pass  
(See remark)

Applicant's requirement with reference to Canada  
Consumer Products Containing Lead Regulations  
SOR/2018-83

Pass  
(See remark)

Applicant's requirement with reference to U.S. ASTM  
F963-17 on total Lead content in surface coating

Pass  
(See remark)

Applicant's requirement with reference to U.S. ASTM  
F963-17 on soluble heavy elements test

Pass  
(See remark)



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Remark:

All test results are referred to previous report SZHH01826491 dated on Jul 25, 2023

Authorized by:  
For Intertek Testing Services Shenzhen Ltd  
Xiamen Branch



Rachel L. Guo  
General Manager



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### Tests Conducted

#### 1 Static Load Test

As per the client's requirement, the submitted sample was subjected to the following test.

Number of sample tested: One (1) piece.

Executive summary:

Test Item	Test Method	Requirements / Limits	Result
Static Load Test (distributed load) for Bed Support System	In-house Method	Assembled sample withstands a load uniformly distributed on a surface supported by the frame for 24 hours without collapse or noticeable deformation of any component and with no loss in consumer serviceability.  Test load: 1000 lbs.	P

Abbreviation: P = Pass

#### 2 Physical and Mechanical Test

Test requirement: U.S. Code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

	No. of Sample Tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	1	P	P	NA
Impact (1500.53(b))	1	P	P	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	P	NA
Tension (1500.53(f))	1	P	P	NA
Compression (1500.53(g))	1	P	P	NA

Abbreviation: P = Pass NA= Not Applicable



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3 Labeling Assessment

As per the client's requirements, the submitted sample was subjected to the following test requirement. Executive summary:

Attribute	Test Method/ Standard	Requirement/Limit	Result
†Law Label - Except Stuffed Toy	Various US State Law / With reference to IABFLO	Stuffed articles (except stuffed toys and stuffed pet toys), bedding or furniture with filling materials, as specified, shall have law label attached to the product.  NOTE: It is the vendor's responsibility to register the product as required.	NA
†California Flammability Tag (if applicable)	California TB117-2013	Items that are advertised, intended, or commonly used as upholstered furniture must meet the flammability requirements and be appropriately labeled in accordance with California Code of Regulations, Title 4, Division 3, Article 13 Flammability Regulations.	NA
†Labeling for Presence or Absence of Flame Retardants (if applicable)	California Bill SB 1019	The following "flame retardant chemical statement" shall be included on the flammability label: "The upholstery materials in this product: _____contain added flame retardant chemicals _____contain NO added flame retardant chemicals The State of California has updated the flammability standard and determined that the fire safety requirements for this product can be met without adding flame retardant chemicals. The state has identified many flame retardant chemicals as being known to, or strongly suspected of, adversely impacting human health or development." The absence or presence of added flame retardant chemicals shall be indicated by placing an "X" in one of the appropriate blanks by the manufacturer. The statement is not required to be in all capital letters and shall follow the requirements that required for TB 117-2013 label.	NA
† Labeling for Upholstered Furniture	16 CFR 1640	Each manufacturer of a product that is subject to the California standard shall include the statement "Complies with U.S. CPSC requirements for upholstered furniture flammability" on a permanent label located on the product, which shall be considered to be a certification that the product complies with that standard.  CPSC staff recommends that the certification	NA



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Attribute	Test Method/ Standard	Requirement/Limit	Result
		<p>statement be conspicuous and legible. The statement should be at least 1/8-inch high and not smaller than other text on the label; it should be in black text on a white background and surrounded with black border. The label may be a separate label, or it can be added to the bottom of an existing California TB 117-2013 label required by SB-1019. The required statement must appear on the front of the label in English and cannot be on the back side.</p> <p>Compliance with the labeling requirement in § 1640.4 shall be required by June 25, 2022, and shall apply to all upholstered furniture, as defined in § 1640.3, manufactured, imported, or reupholstered on or after that date.</p>	

**KEY:** † : Mandatory Requirement  
 Abbreviation : NA = Not Applicable

4 Total Mercury (Hg) Content

Acid digestion method was used and total Mercury content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)		
Mercury (Hg)	ND	10	10

ND = Not detected

Tested component: (1) Matte black coating on metal (surface of frame)

5 Total Lead (Pb) Content

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1, followed by Inductively Coupled Argon Plasma Spectrometry.

(1) For surface coating

Element	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)		
Lead (Pb)	ND	10	90

ND = Not detected

Tested component: (1) Matte black coating on metal (surface of frame)



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#### 6 Total Lead (Pb) and Mercury (Hg) Content in Surface Coating

With reference to test method CPSC-CH-E1003-09.1, total lead and mercury content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)		
Lead (Pb)	ND	10	90
Mercury (Hg)	ND	5	ND

ND = Not detected

Tested component: (1) Matte black coating on metal (surface of frame)

#### 7 Total Lead (Pb) Content in Surface Coating (U.S. 16 CFR Part 1303 and CPSIA Section 101)

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1)		
Lead (Pb)	ND	10	90

The above limit was quoted according to U.S. CFR Title 16 Part 1303 and U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating.

ppm = parts per million = mg/kg

ND = Not detected (less than reporting limit)

Tested component: (1) Matte black coating on metal (surface of frame)

#### 8 Toxic Elements Analysis (CCPSA SOR/2011-17 and Amendment SOR/2022-122)

With reference to Method C-02.2.1, C-07 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion method was used and toxic elements content were determined by Inductively Coupled Plasma-mass Spectrometry.

Element	Result	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)		
Tot. Lead (Pb)	ND	10	90
Tot. Mercury (Hg)	ND	0.047	10

With reference to Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.



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Element	Result	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)		
Sol. Cadmium (Cd)	ND	5	1000
Sol. Antimony (Sb)	ND	5	1000
Sol. Selenium (Se)	ND	5	1000
Sol. Arsenic (As)	ND	2.5	1000
Sol. Barium (Ba)	ND	5	1000

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 and Amendment SOR/2022-122 Section 23 for prohibition on toxic elements in stickers, films and surface coating materials.

Tot. = Total  
Sol. = Soluble  
ND = Not detected (less than detection limit)

Tested component: (1) Matte black coating on metal (surface of frame)

9 Total Lead (Pb) Content (CCPSA SOR/2016-193 and Amendment SOR/2022-122)

As per Method C-02.2.2 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion method was used and determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1)		
Lead (Pb)	ND	10	90

The above limit was quoted according to Canada Consumer Product Safety Act Surface Coating Materials Regulations SOR/2016-193 and Amendment SOR/2022-122 for prohibition on Lead in stickers, films or surface coating materials.

ND = Not detected

Tested component: (1) Matte black coating on metal (surface of frame)

10 Total Lead (Pb) content (CCPSA SOR/2018-83)

As per Method C-02.2.2, C-02.3.2, C-02.4.1, published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion was used and Total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1)		
Lead (Pb)	ND	10	90





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The above limit was quoted according to Canada Consumer Products Containing Lead Regulations SOR/2018-83.

ND = Not detected (less than detection limit)

Tested component: (1) Matte black coating on metal (surface of frame)

11 Total Lead (Pb) Content in Surface Coating (U.S. ASTM F963-17)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1)		
Lead (Pb)	ND	10	90

ppm = part per million = mg/kg  
ND = Not detected

Tested component: (1) Matte black coating on metal (surface of frame)

12 Heavy Elements Analysis (Except modelling clay) (U.S. ASTM F963-17)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting limit (ppm)	Limit (ppm)
	Tested component		
	(1)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble  
ppm = part per million = mg/kg  
ND = Not detected

Tested component: (1) Matte black coating on metal (surface of frame)



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Applicant's reference photo:



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End of report



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*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.*

*The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) received and tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek.*



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