



Technical Report: 96242200628
Date Received: AUGUST 07, 2024

AUGUST 26, 2024
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GIGACLOUD TECHNOLOGY(USA) INC.
4388 SHIRLEY AVENUE EL MONTE, CA 91731

Sample Description: LOFT BED
Vendor: GIGACLOUD TECHNOLOGY(USA) INC. Sample Size: /
Manufacturer: ZHIAO VPN: /
Buyer: GIGACLOUD SKN/SKU No.: MF303244AAB & MF303245AAB, MF303244AAK & MF303245AAK, MF303244AAE & MF303245AAE, MF303244AAH & MF303245AAH
Agent: /
Labeled Age Grade: / PO No.: /
Appropriate Age Grade: / Ref #: /
Client Specified Age Grade: / Country of Origin: VIETNAM
Tested Age Grade: / Assortment No.: /
UPC Code: / Department No.: /
Phase of Production: PRODUCTION Item#: /
Color: BLACK, WHITE, BLUE Date of Production: /
(INDIGO), PINK
Program: / Model/Style#: 2204-US-LE-017 TWIN
Previous No: / Country of Destination: USA

TEST PROPERTY	PASS	FAIL	DATA	N/A	Remark
CPSIA Total lead content in Surface Coating	X				
CPSIA Total Lead Content In Substrate Materials	X				
15 U.S.C. § 1278a Total Lead Content	X				
16 CFR 1500.48, 16 CFR 1500.49 (Modify), Sharp points and sharp edges	X				
16 CFR 1213 Bunk Beds	X				
16 CFR 1513 Requirements for Bunk Beds	X				
ASTM F1427-21e1 Bunk Beds	X				

Note(s):

- This report includes the test result(s) which was conducted & reviewed by Analytical department.
- The Chemical test following reports listed:

No.	Tested component:	Chemical test	Reference report	Report issued date
1	White Coating/ Metal Frame	Lead	96233550407	JANUARY 08, 2024



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If there is any question regarding this report, please contact the following lab personnel:

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

TERRY NGUYEN
LAB MANAGER – HARDLINE, TOYS & JUVENILE PRODUCTS DIVISION



SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

Test Item(s)	Sample description/ Location	Material	Style(s)
I001	Black Coating/ Metal Frame	Coating	-
I002	Black Coating/ Warning Label	Coating	-
I003	Black/ Yellow Overlapping Coating/ Tracking Label	Coating	-
I004	Red Coating/ Country Origin Label	Coating	-
I005	Red/ Yellow Overlapping Coating/ Maximum Weight Label	Coating	-
I006	Black/ Red/ Yellow Overlapping Coating/ Ca Prop 65 Label	Coating	-
I007	No Coating/ Hardware	-	-
I008	Black Metal Frame	Metal	-
I009	Mesh	Metal	-
I010	Bolt	Metal	-
I011	Blue Coating/ Metal Frame	Coating	-
I012	Pink Coating/ Metal Frame	Coating	-
I013	Blue Metal Frame	Metal	-
I014	Pink Metal Frame	Metal	-



TEST RESULT

Total Lead Content in Surface Coating
- United States Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 101(a)(2) / United States Code of Federal Regulations (CFR), Title 16, Part 1303

Test Method : U. S. CPSC-CH-E1003-09.1 (February 25, 2011).

Maximum Allowable Limit :		90 mg/kg						
-	Unit	Result						
Test Item(s)	-	I001	I002	I003	I004	I005	I006	I007
Parameter	-	-	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	-
Conclusion	-	PASS	PASS	PASS	PASS	PASS	PASS	NA

-	Unit	Result	
Test Item(s)	-	I011	I012
Parameter	-	-	-
Total Lead (Pb)	mg/kg	ND	ND
Conclusion	-	PASS	PASS

Note / Key :

ND = Not detected NA = Not applicable ">" = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million
Detection Limit (mg/kg) : 10

Remark :

- Component(s) in Test Item(s) may not able to be tested individually due to overlapping.



TEST RESULT

Total Lead Content in Substrate:
- United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)

Test Method : U. S. CPSC Test Method CPSC-CH-E1001-08.3 (November 15, 2012) or U. S. CPSC Test Method CPSC-CH-E1002-08.3 (November 15, 2012).

Maximum Allowable Limit :	100 mg/kg
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-	Unit	Result		
Test Item(s)	-	I008	I009	I010
Parameter	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND
Conclusion	-	PASS	PASS	PASS

-	Unit	Result	
Test Item(s)	-	I013	I014
Parameter	-	-	-
Total Lead (Pb)	mg/kg	ND	ND
Conclusion	-	PASS	PASS

Note / Key :

ND = Not detected NA = Not applicable ">" = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million 10000 mg/kg = 1 % % = percent
Detection Limit (mg/kg) : 10

Remark :

- According to Children's Products Containing Lead; Exemptions for Certain Electronic Devices; Final Rule, exemption were granted to steel alloy containing up to 0.35 % lead by weight, aluminum containing up to 0.4 % lead by weight and copper-based alloy containing up to 4 % lead by weight.
- According to Petition Requesting Exception from Lead Content Limits; Notice Granting Exception, exemption was granted to certain aluminum alloy on certain ride-on children's products containing up to 0.03 % lead weight.



TEST RESULT

Total Lead Content:
15 U.S.C 1278a-Children Product Containing Lead

Maximum Allowable Limit :	100 mg/kg
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-	Unit	Result						
Test Item(s)	-	I001	I002	I003	I004	I005	I006	I007
Parameter	-	-	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	-
Conclusion	-	PASS	PASS	PASS	PASS	PASS	PASS	NA

-	Unit	Result	
Test Item(s)	-	I011	I012
Parameter	-	-	-
Total Lead (Pb)	mg/kg	ND	ND
Conclusion	-	PASS	PASS

-	Unit	Result		
Test Item(s)	-	I008	I009	I010
Parameter	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND
Conclusion	-	PASS	PASS	PASS

-	Unit	Result	
Test Item(s)	-	I013	I014
Parameter	-	-	-
Total Lead (Pb)	mg/kg	ND	ND
Conclusion	-	PASS	PASS

Note / Key :

ND = Not detected NA = Not applicable ">" = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million 10000 mg/kg = 1 % % = percent
Detection Limit (mg/kg) : 10

Remark :

- Tested per client's request



REQUIREMENTS FOR BUNK BEDS (FHSA, Title 16, CFR, Part 1213 & 1513)

Section	Description	Results
1213.3 1513.3	Requirements	
1213.3(a) 1513.3(a)	Guardrails	
1213.3(a)(1) 1513.3(a)(1)	Two guardrails required if bed is > 30 inches from ground	M
1213.3(a)(2) 1513.3(a)(2)	One guardrail shall be continuous	M
1213.3(a)(3) 1513.3(a)(3)	No greater than 15 inches between either end	M
1213.3(a)(4) 1513.3(a)(4)	Bunk Beds with ladder, continuous guardrail on other side	M
1213.3(a)(5) 1513.3(a)(5)	Guardrails attached so they cannot be removed without releasing a device	M
1213.3(a)(6) 1513.3(a)(6)	The upper edge shall be no less than 5 inches above top surface	M
1213.3(a)(7) 1513.3(a)(7)	No openings in the structure between lower edge and underside	M
1213.3(b) 1513.3(b)	Bed End Structures	
1213.3(b)(1) 1513.3(b)(1)	The upper edge of end structure shall be at least 5 inches above mattress	M
1213.3(b)(2) 1513.3(b)(2)	No openings in the structure above foundation of the upper bunk that permits passage of the wedge block	M
1213.3(b)(3) 1513.3(b)(3)	Tested in accordance with Section 1213.4(c)	NA
1213.3(b)(4) 1513.3(b)(4)	Neck entrapment requirements of Section 1213.4(c)(3)	NA
1213.5 1513.5	Marking and Labeling	
1213.5(a) 1513.5(a)	Permanent label with name and address, model # and date code	M
1213.5(b) 1513.5(b)	Permanent Warning Label placement	M
1213.6 1513.6	Instructions	
1213.6(a) 1513.6(a)	Size of mattress and foundation	M
1213.6(b) 1513.6(b)	Safety Warning	-
1213.6(b)(1) 1513.6(b)(1)	Do not allow children under 6 years of age to use the upper bunk	M
1213.6(b)(2) 1513.6(b)(2)	Use guardrails on both sides of the upper bunk	M



REQUIREMENTS FOR BUNK BEDS (FHSA, Title 16, CFR, Part 1213 & 1513)

Section	Description	Results
1213.6(b)(3) 1513.6(b)(3)	Prohibit horseplay on or under beds	M
1213.6(b)(4) 1513.6(b)(4)	Prohibit more than one person on upper bunk	M
1213.6(b)(5) 1513.6(b)(5)	Use ladder for entering or leaving upper bunk	M
1213.6(b)(6) 1513.6(b)(6)	If the bed is placed against a wall, use full length guardrail along wall	M

M = Meet NM = Not Meet NA = Not Applicable R = Refer to Comment Section



STANDARD CONSUMER SAFETY SPECIFICATION FOR BUNK BEDS (ASTM F1427-21e1)

Section	Requirement	Result
4	Performance Requirements	
4.1	Vertical Protrusions	-
4.1.1	Vertical protrusions along the top inside surface	M
4.1.2	Cap used along the top surface of upper bunk	NA
4.2	Fit of Top Bed to Bottom Bed	NA
4.3	Mattress and Foundation Size and Fit (Top Bed)	M
4.4	Mattress Size and Fit (Lower Foundation)	NA
4.5	Upper and Lower Foundation Support Systems	-
4.5.1	Horizontal position of the mattress and the foundation	M
4.5.2	Utilized event cross-members	M
4.5.3	Release of positive fastening devices or use of hand tools	M
4.5.4	Static load for the foundation support system	M
4.6	Side Rails	-
4.6.1	Bolt-On Side Rails	M
4.6.2	Hook-On Side Rails	NA
4.6.3	Side rail attachments	M
4.7	Guardrails	-
4.7.1	Presence of guardrails	M
4.7.2	Requirement of attachment	M
4.7.3	Requirement of height of the upper edge above the sleeping surface	M
4.7.4	Opening of the guardrail	M
4.7.5	Opening between the either end of the guardrail and the bed end structure	M
4.8	Bed Structure	-
4.8.1	The upper edge of the upper bunk end structures	M
4.8.2	Openings in the rigid end structures of the upper bunk	M
4.8.3	Openings in the end structures of the lower bunk	NA
4.8.4	Neck entrapment requirement of all portions of the boundary of any opening of the lower bunk end structure	NA
4.9	Ladders	-
4.9.1	Presence of ladder	M
4.9.2	Dimension requirement of ladder	M
4.9.3	Openings between ladder step and upper bunk boundary	M
4.9.4	Gaps between edge of mattress and interior vertical stile	M
4.10	Metal beds: frame and fastenings	M
6	Marking and Labeling	M
7	Instructional Literature	M

Results Key:

M	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
C	Claimed	R	Recorded



RESULT(S):

Evaluation	Citation / Method	Test procedure	Results	Rating
Sharp points and sharp edges	16 CFR 1500.48 16 CFR 1500.49 (Modify)	Shall not have accessible, potentially hazardous sharp point and/ or sharp edge before or after use and abuse testing. Modify: Expends scope to all children products.	M	PASS

Results Key:

M	Meets	NM	Does Not Meet
NA	Not Applicable	NT	Not Tested
C	Claimed	R	Recorded



BLUE (INDIGO) COLOR

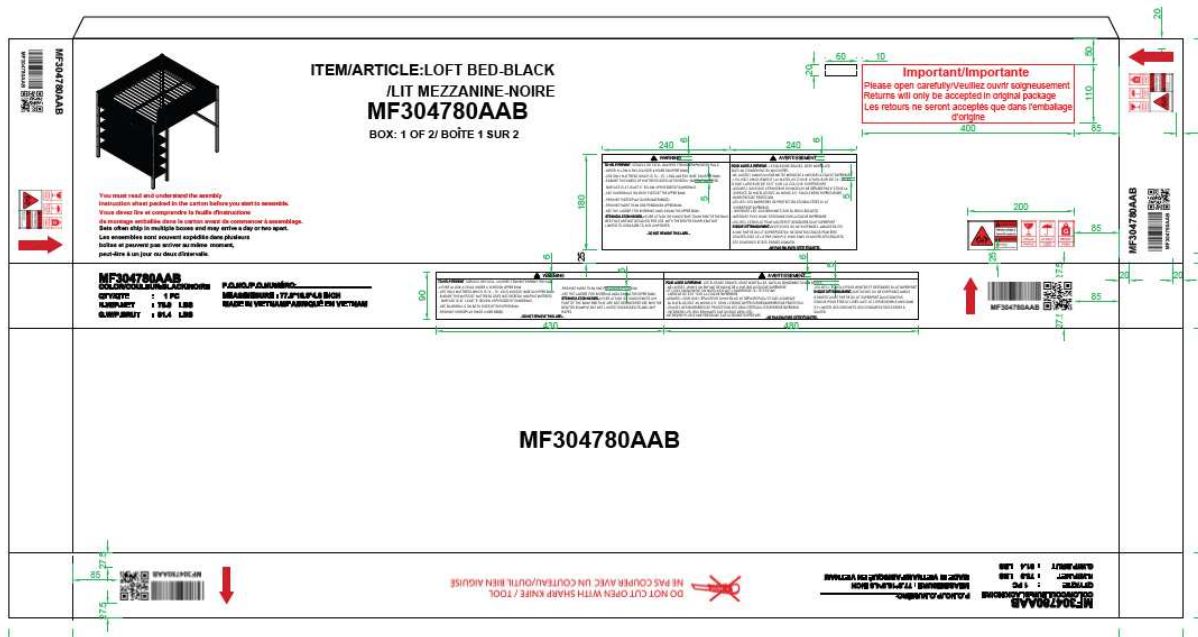


PINK COLOR





CARTON LAYOUT



LABEL PHOTO

	
CA PROP 65 LABEL	COUNTRY ORIGIN LABEL
	
MAXIMUM WEIGHT LABEL	TRACKING LABEL



WARNING LABEL

