

Technical Report: 96231140541
Date Received: APRIL 26, 2023

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ZHIAO VIETNAM COMPANY LIMITED
PLOT NO. 713, MAP SHEET NO. 45, GROUP 5, KHANH TAN QUARTER, KHANH BINH WARD, TAN UYEN TOWN,
BINH DUONG PROVINCE, VIETNAM (POST CODE: 75412)

Sample Description:	LOFT BED	Sample Size:	/
Vendor:	ZHIAO VIET NAM COMPANY LIMITED	VPN:	/
Manufacturer:	ZHIAO	SKN/SKU No.:	MF305475AAB, MF305475AAK, MF305475ANN
Buyer:	GIGACLOUD TECHNOLOGY (USA) INC		
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, SILVER	Date of Production:	/
Program:	/	Model/Style#:	2301-US-LE-TWIN SIZE
Previous No:	96230870554	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				
16 CFR 1213 Bunk Beds	X				
16 CFR 1513 Requirements for Bunk Beds	X				
ASTM F1427-21e1 Bunk Beds	X				
16 CFR 1500.48 16 CFR 1500.49 (Modify), Sharp points and edges	X				

Note(s):

- The reference chemical report was following below table:

No.	Tested component:	Chemical test	Reference report	Report issued date
(1)	White coating/ Color panel	CPSIA Lead	96230670702	March 22, 2023

- This report includes the test result(s) which was conducted & reviewed by Analytical department.
- The sample was submitted for retest the failure point only.



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

Administrative inquiries, please contact:

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Technical inquiries, please contact:

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BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

TERRY NGUYEN

AUTHORIZED REPORT APPROVER – HARDLINE, TOYS & JUVENILE PRODUCTS DIVISION



SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

Test Item(s)	Sample description/ Location	Material	Style(s)
I001	Black Coating/ Frame	Coating	-
I002	Silver Coating/ Frame	Coating	-
I003	No Coating/ Black Hardware	-	-
I004	Transparent Plastic With Paper And Print/ Cover Warning Label	Soft Plastic	-
I005	Metal Frame	Metal	-
I006	Black Bolt	Metal	-
I007	No Coating/Tracking Label & CA Prop 65 Warning Label & Maximum Weight Label	-	-

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
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-	Unit	Result			
Test Item(s)	-	I001	I002	I003	I007
Parameter	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	-	-
Conclusion	-	PASS	PASS	NA	NA

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		
-	Unit	Result		
Test Item(s)	-	I004	I005	I006
Parameter	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND
Conclusion	-	PASS	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.
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RESULT(S):

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)	M
1213.3(b)(4) 1513.3(b)(4)	Neck entrapment requirements of Section 1213.4(c)(3)	M
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



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

Section	Description	Results
1213.6(b)(2) 1513.6(b)(2)	Use guardrails on both sides of the upper bunk	M
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

RESULT(S):

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	M
4.3	Mattress and Foundation Size and Fit (Top Bed)	M
4.4	Mattress Size and Fit (Lower Foundation)	M
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	M
4.8.4	Neck entrapment requirement of all portions of the boundary of any opening of the lower bunk end structure	M
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 Labelling	M
7	Instructional Literature	M

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



RESULT(S):

Evaluation	Citation / Method	Test procedure	Results	Rating
Sharp points and 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



SILVER COLOR





TRACKING LABEL

Compliance Information - Not Retailer
GIGACLOUD TECHNOLOGY(USA) INC.
18961 Arenth Ave, City of industry,CA 91748
Made in Binh Duong ,Viet Nam
05/2023
MF305475
PO:



WARNING LABEL

TO HELP PREVENT SERIOUS OR FATAL INJURIES FROM ENTRAPMENT OR FALLS: -NEVER ALLOW A CHILD UNDER 6 YEARS ON UPPER BUNK. -USE ONLY MATTRESS THAT IS 74"-75" LONG AND 38.5" WIDE ON UPPER BUNK.	▲ WARNING ENSURE THICKNESS OF MATTRESS DOES NOT EXCEED 6" AND THAT MATTRESS SURFACE IS AT LEAST 5" BELOW UPPER EDGE OF GUARDRAILS. -USE GUARDRAILS ON BOTH SIDES OF UPPER BUNK. MADE IN VIET NAM	-PROHIBIT HORSEPLAY ON OR UNDER BED(S). -PROHIBIT MORE THAN ONE PERSON ON UPPER BUNK. -USE LADDER FOR ENTERING AND LEAVING UPPER BUNK. STRANGULATION HAZARD-NEVER ATTACH OR HANG ITEMS TO ANY PART OF	THE BUNK BED THAT ARE NOT DESIGNED FOR USE WITH THE BED, FOR EXAMPLE, BUT NOT LIMITED, HOOKS, BELTS AND JUMP ROPES. DO NOT REMOVE THIS LABEL
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▲ WARNING
TO HELP PREVENT SERIOUS OR FATAL INJURIES FROM ENTRAPMENT OR FALLS:
-NEVER ALLOW A CHILD UNDER 6 YEARS ON UPPER BUNK.
-USE ONLY MATTRESS THAT IS 74"-75" LONG AND 38.5" WIDE ON UPPER BUNK

-ENSURE THICKNESS OF MATTRESS DOES NOT EXCEED 6"
AND THAT MATTRESS SURFACE IS AT LEAST 5" BELOW UPPER
EDGE OF GUARDRAILS.
-USE GUARDRAILS ON BOTH SIDES OF UPPER BUNK.
MADE IN VIET NAM

-PROHIBIT HORSEPLAY ON OR UNDER BED(S)
-PROHIBIT MORE THAN ONE PERSON ON UPPER BUNK.
-USE LADDER FOR ENTERING AND LEAVING UPPER BUNK.
STRANGULATION HAZARD-NEVER ATTACH OR HANG ITEMS TO ANY PART OF

THE BUNK BED THAT ARE NOT DESIGNED FOR USE WITH THE BED,
FOR EXAMPLE, BUT NOT LIMITED, HOOKS, BELTS AND JUMP ROPES
DO NOT REMOVE THIS LABEL

CA PROP65 WARNING LABEL



WARNING:

This product can expose
You to chemicals including Formaldehyde,
which is known to the State of
California to cause Cancer
For more information go to:

www.P65Warnings.ca.gov/furniture

www.P65Warnings.ca.gov/wood

MADE IN VIETNAM

MAXIMUM WEIGHT LABEL



