



**BUREAU  
VERITAS**

**Technical Report:**  
Date Received:

**96243460633**  
DECEMBER 11, 2024

DECEMBER 27, 2024  
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DAI VIET CO., LTD  
NO. 276/19/13 TRAN HUNG DAO STREET, DONG B QUARTER, DONG HOA WARD, DI AN CITY, BINH DUONG  
PROVINCE, VIETNAM

Sample Description:	TWIN LOFT BED WITH SHELVES AND STAIR			
Vendor:	DAI VIET CO., LTD	Sample Size:	/	
Manufacturer:	DAI VIET CO., LTD	VPN:	/	
Buyer:	GIGACLOUD	SKN/SKU No.:	N709P254441/N709P2544 42	
Agent:	/		/	
Labeled Age Grade:	/	PO No.:	V890VDY20241127WM	
Appropriate Age Grade:	/	Ref #:	/	
Client Specified Age Grade:	/	Country of Origin:	VIETNAM	
Tested Age Grade:	/	Assortment No.:	/	
UPC Code:	/	Department No.:	/	
Phase of Production:	/	Item#:	/	
Color:	GREY	Date of Production:	/	
Program:	/	Model/Style#:	2255X1266X1650	
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 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	Coating/Warning Label	Lead	96243450669	DECEMBER 20, 2024
2	Coating/Tracking Label			
3	Coating/CA Prop 65 Label			
4	Coating/Maximum Weight Label			
5	Coating/Country Origin Label			



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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**  
**LAB MANAGER – HARDLINE, TOYS & JUVENILE PRODUCTS DIVISION**



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**SAMPLE DESCRIPTION ASSIGNED BY LABORATORY**

Test Item(s)	Sample description/ Location	Material	Style(s)
I001	Grey Coating/ Wood	Coating	-
I002	Silver Bolt	Metal	-
I003	Silver Barrel Nut	Metal	-
I004	Silver Big Screw	Metal	-
I005	Silver Cap Nut	Metal	-
I006	MDF	Wood	-
I007	Plywood	Wood	-
I008	Black Plastic/ Body Of Ac/ Dc Adapter Plug	Hard Plastic	-
I009	Yellow Round Head Screw	Metal	-
I010	Yellow Flat Head Screw	Metal	-
I011	Black Plastic With White Print/ Cord	Soft Plastic	-
I012	Black Plastic/ Plug Pin Outlet	Soft Plastic	-
I013	White Plastic/ Plug Inlet	Soft Plastic	-
I014	White Plastic With Gray Print/ Cord	Soft Plastic	-
I015	White Plastic With Black Print/ Cover Cord	Soft Plastic	-
I016	Black Plastic/ Cover Wire	Soft Plastic	-
I017	Green Plastic/ Cover Wire	Soft Plastic	-
I018	Red Plastic/ Cover Wire	Soft Plastic	-
I019	Blue Plastic/ Cover Wire	Soft Plastic	-
I020	White Plastic/ Cover Wire	Soft Plastic	-
I021	Black Plastic/ Connection Pin	Soft Plastic	-
I022	Transparent Plastic/ Cover Led	Soft Plastic	-
I023	Black Plastic/ Remote Body	Hard Plastic	-
I024	Transparent Plastic With Multicolor Print/ Front Of Remote	Soft Plastic	-
I025	Transparent Red Plastic/ Remote Led	Hard Plastic	-
I026	Silver Plastic With Multicolor Print And Glue/ Led Controller Label	Soft Plastic	-



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### 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	
Test Item(s)	Unit	Result
	-	I001
Parameter	-	-
Total Lead (Pb)	mg/kg	ND
Conclusion	-	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.



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## 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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Test Item(s)	Unit	Result			
		I006+I007	I008+I011+I012	I013+I014+I015	I016+I017+I018
Parameter	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND
Conclusion	-	PASS	PASS	PASS	PASS

Test Item(s)	Unit	Result			
		I019+I020+I021	I022+I023	I024+I025+I026	I002
Parameter	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	19	ND	ND
Conclusion	-	PASS	PASS	PASS	PASS

Test Item(s)	Unit	Result				
		I003	I004	I005	I009	I010
Parameter	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND
Conclusion	-	PASS	PASS	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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### 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				
<b>Test Item(s)</b>	-	I001	I006+I007	I008+I011+I012	I013+I014+I015	I016+I017+I018
<b>Parameter</b>	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	PASS	PASS	PASS	PASS	PASS

-	Unit	Result				
<b>Test Item(s)</b>	-	I019+I020+I021	I022+I023	I024+I025+I026	I002	
<b>Parameter</b>	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	19	ND	ND	ND
<b>Conclusion</b>	-	PASS	PASS	PASS	PASS	PASS

-	Unit	Result				
<b>Test Item(s)</b>	-	I003	I004	I005	I009	I010
<b>Parameter</b>	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	PASS	PASS	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 :

- Tested per client's request



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**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



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**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*



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**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	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	NA
4.10	Metal beds: frame and fastenings	NA
6	Marking and Labeling	M
7	Instructional Literature	M

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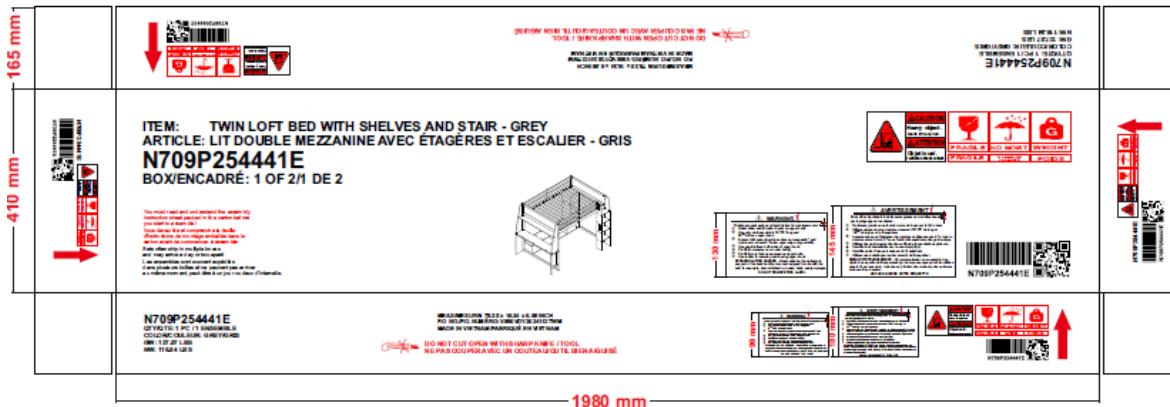




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## CARTON LAYOUT





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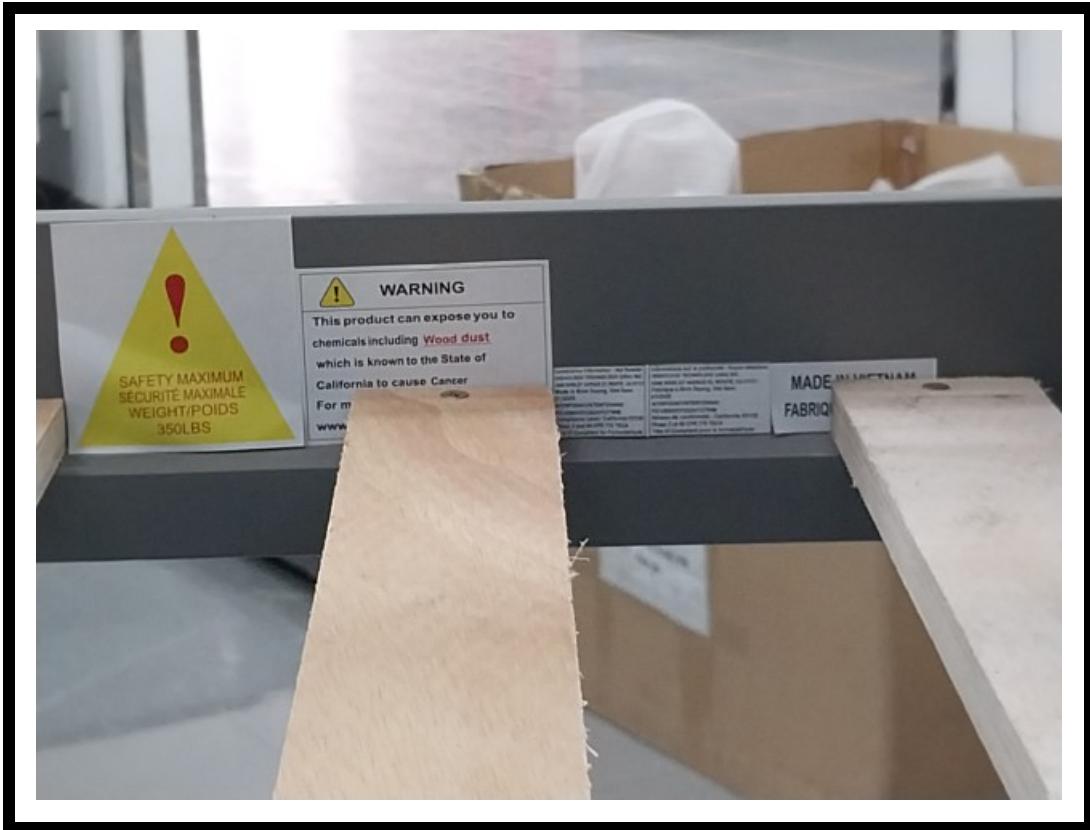
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SAFETY MAXIMUM WEIGHT & CA PROP 65 WARNING LABEL





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COUNTRY OF ORIGIN & TRACKING LABEL





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LABEL ON PRODUCT





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## WARNING LABEL

