



Technical Report: (9621) 181-0437
Date Received: JUNE 30, 2021

JULY 28, 2021
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DISCOVERY WORLD FURNITURE
 2963 STONEWALL PLACE, SANFORD, FL 32773 USA

Sample Description: 2919 BOLT TOGETHER WOODEN TWIN/FULL BUNK BED,
 2819 BOLT TOGETHER WOODEN TWIN/FULL BUNK BED COLOR BOARD,
 0219 BOLT TOGETHER WOODEN TWIN/FULL BUNK BED COLOR BOARD,
 2119 BOLT TOGETHER WOODEN TWIN/FULL BUNK BED COLOR BOARD,
 3219 BOLT TOGETHER WOODEN TWIN/FULL BUNK BED COLOR BOARD,
 BOLT TOGETHER WOODEN TWIN/FULL BUNK BED SIDE RAILS, EDGE GLUED PINE,
 BOLT TOGETHER WOODEN TWIN/FULL BUNK BED SIDE RAILS, PLYWOOD

Vendor: DISCOVERY WORLD FURNITURE **Sample Size:** /

Manufacturer: DISCOVERY GLOBAL PARTNERS LLC **VPN:** /

Buyer: / **SKN/SKU No.:** /

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#:** 0219/2119/2819/2919/3219

Color: WHITE, HONEY, MERLOT, ESPRESSO, CHARCOAL **Date of Production:** JULY 2021

Program: / **Model/Style#:** /

Previous No: / **Country of Destination:** U.S.

TEST PROPERTY	PASS	FAIL	DATA	N/A	Remark
ASTM F1427-21 Bunk Beds	X				
16 CFR 1213 Bunk Beds	X				
16 CFR 1513 Requirements for Bunk Beds	X				
In-house method / CPSD-HL-01030-MTHD (Mod.), Distributed Load Capacity	X				
In-house method / CPSD-HL-01022-MTHD (Mod.), Static Load – Edge Test	X				

Note(s):

- The sample was submitted for physical test only per vendor's request
- The sample was tested without item (06) & (19) due to these one were not provided (Please see photo 1)



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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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Back-up Contact: Ron Nguyen, Tel: 84-028-37421-604 ~ 6, Ext: 313; email: ron.nguyen@bureauveritas.com

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.

TERRY NGUYEN
AUTHORIZED REPORT APPROVER – HARDLINE, TOYS & JUVENILE PRODUCTS DIVISION



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

Section	Description	Results
1513.3	Requirements	
1513.3(a)	Guardrails	
1513.3(a)(1)	Two guardrails required if bed is > 30 inches from ground	M
1513.3(a)(2)	One guardrail shall be continuous	M
1513.3(a)(3)	No greater than 15 inches between either end	NA
1513.3(a)(4)	Bunk Beds with ladder, continuous guardrail on other side	M
1513.3(a)(5)	Guardrails attached so they cannot be removed without releasing a device	M
1513.3(a)(6)	The upper edge shall be no less than 5 inches above top surface	M
1513.3(a)(7)	No openings in the structure between lower edge and underside	M
1513.3(b)	Bed End Structures	
1513.3(b)(1)	The upper edge of end structure shall be at least 5 inches above mattress	M
1513.3(b)(2)	No openings in the structure above foundation of the upper bunk that permits passage of the wedge block	M
1513.3(b)(3)	Tested in accordance with Section 1513.4(c)	M
1513.3(b)(4)	Neck entrapment requirements of Section 1513.4(c)(3)	M
1513.5	Marking and Labeling	
1513.5(a)	Permanent label with name and address, model # and date code	NT
1513.5(b)	Permanent Warning Label placement	NT
1513.6	Instructions	
1513.6(a)	Size of mattress and foundation	NT
1513.6(b)	Safety Warning	NT
1513.6(b)(1)	Do not allow children under 6 years of age to use the upper bunk	NT
1513.6(b)(2)	Use guardrails on both sides of the upper bunk	NT
1513.6(b)(3)	Prohibit horseplay on or under beds	NT
1513.6(b)(4)	Prohibit more than one person on upper bunk	NT
1513.6(b)(5)	Use ladder for entering or leaving upper bunk	NT
1513.6(b)(6)	If the bed is placed against a wall, use full length guardrail along wall	NT

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



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

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	NA
6	Marking and Labeling	NT
7	Instructional Literature	NT

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



RESULT(S):

Evaluation	Citation / Method	No. of Samples	Criteria	Results	Rating
Distributed Load Capacity	In-house method / CPSD-HL-01030-MTHD (Mod.)	1	Apply the load gradually on top of the slats. The load stays for 24 hours. Load Specification per Type of Bed - Single – 500 lb. - Full – 700 lb. - Queen/King – 800 lb	M TEST LOAD: -UPPER BUNK: 500 LBS -LOWER BUNK: 700 LBS	PASS
Static Load – Edge Test	In-house method / CPSD-HL-01022-MTHD (Mod.)	1	No structure failure when 300 Lbs test load is placed on 16” diameter disc 7 inches from edge. Load stays for 30 minutes.	M	PASS

Results Key:

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



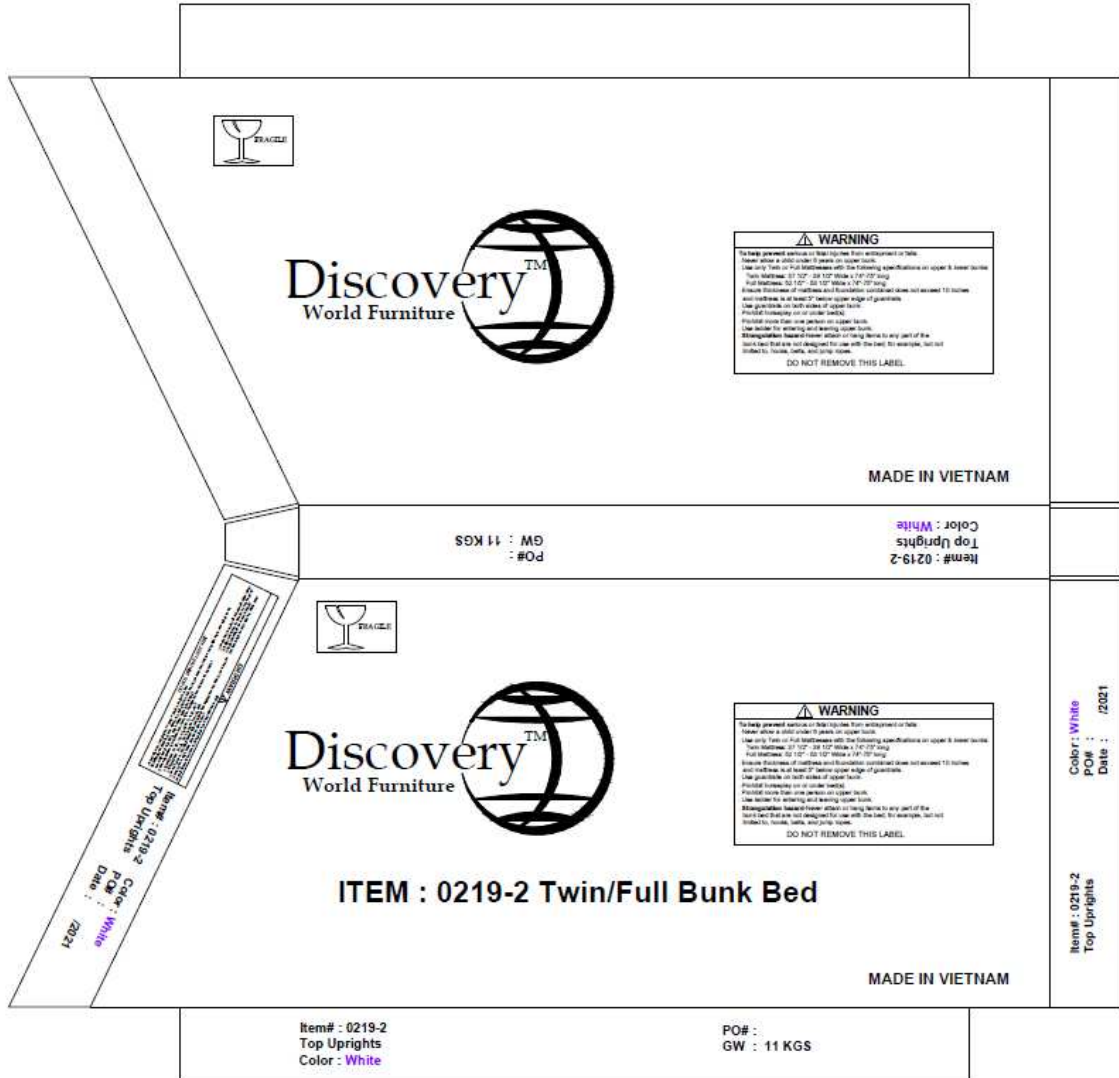


CARTON LAYOUT

	<p>PO# : 16.5 KGS Item# : 0219-1 Rails/Back Guard Rail Color : White</p>		
<p>ITEM : 0219-1 Rails/Back Guard Rail Color : White</p>	<p>Discovery World Furniture ITEM : 0219-1 Twin/Full Bunk Bed</p>	<p>MADE IN VIETNAM</p> 	<p>ITEM : 0219-1 Rails/Back Guard Rail Color : White</p>
	<p>Item# : 0219-1 Rails/Back Guard Rail Color : White</p>	<p>PO# : GW : 16.5 KGS</p>	
<p>Discovery World Furniture</p>	<p>Discovery World Furniture</p>	<p>MADE IN VIETNAM</p> 	



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<p>Item#: 0219-3 Marking: US/CA/UK Front Guard Rail Hardware</p> <p>Color: White Date: 7/2021</p>	<p>Item#: 0219-3 Marking: US/CA/UK Front Guard Rail Hardware</p> <p>Color: White Date: 7/2021</p> <p>Item#: 0219-3 Bottom Uprights/ Front Guard Rail Hardware Color: White</p> <p>PO#: GW - 22 KGS</p> <p>Discovery World Furniture</p> <p>ITEM : 0219-3 Twin/Full Bunk Bed</p> <p>WARNING</p> <p>To help prevent injuries to kids, please read instructions in this manual before a child enters the room or sleep area.</p> <ul style="list-style-type: none"> Use only Twin or Full (children) with the following specifications on upper & lower bunks: <ul style="list-style-type: none"> Top Mattress: 22" x 75" - 28" x 75" (Twin) or 27" x 75" (Full) Top Mattress: 22" x 75" - 28" x 75" (Twin) or 27" x 75" (Full) Do not use mattresses of unknown and/or uncertain origin and/or material. Children and mattresses of such if found, please refer to your retailer. Use guardrails on both sides of upper bunk. Do not use the product until ready to use. Always use proper ladder technique when climbing in and out of the bed. Do not use the bed until you are ready to use it. Do not use the bed until you are ready to use it. Children, teens, kids, and young ones. <p>DO NOT REMOVE THIS LABEL</p> <p>MADE IN VIETNAM</p>	<p>Item#: 0219-3 Marking: US/CA/UK Front Guard Rail Hardware</p> <p>Color: White Date: 7/2021</p>
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	<p>Item#: 0219-4 Ladder/ Guard Rail Supports Color: White PO#: : GW : 5 KGS</p>		
<p>Item#: 0219-4 Ladder/ Guard Rail Supports Color: White PO#: : GW : 5 KGS Date: /2021</p>	<p></p> <p>Discovery World Furniture </p> <p>ITEM : 0219-4 Twin/Full Bunk Bed</p> <p>MADE IN VIETNAM</p> <p></p>	<p>Item#: 0219-4 Ladder/ Guard Rail Supports Color: White PO#: : GW : 5 KGS Date: /2021</p>	
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PHOTO 1

