



**Technical Report:** 96220770809  
**Date Received:** MARCH 18, 2022

MARCH 25, 2022  
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DISCOVERY WORLD FURNITURE  
 2963 STONEWALL PLACE, SANFORD, FL 32773 USA

**Sample Description:** 0211M BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED,  
 2112M BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED COLOR BOARD,  
 2811 BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED COLOR BOARD,  
 2911 BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED COLOR BOARD,  
 3211M BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED COLOR BOARD,  
 5211 BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED COLOR BOARD,  
 BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED SIDE RAILS, EDGE GLUED PINE,  
 BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED SIDE RAILS,  
 PLYWOOD LAMINATED MDF FACE & BACK,  
 BOLT TOGETHER WOODEN TWIN/TWIN BUNK BED SIDE RAILS,  
 PLYWOOD SIDE RAILS

**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#:** 0211M/2112/2811/3211M

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

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

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

TEST PROPERTY	PASS	FAIL	DATA	N/A	Remark
16 CFR 1213 Bunk Beds	X				
16 CFR 1513 Requirements for Bunk Beds	X				
ASTM F1427-21 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):**

- All result has been transferred from technical report 96211810436 per vendor's request.
- This report includes the test result(s) which was conducted & reviewed by Analytical department.



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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**  
**AUTHORIZED REPORT APPROVER – HARDLINE, TOYS & JUVENILE PRODUCTS DIVISION**



**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	NA
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)**

<b>Section</b>	<b>Description</b>	<b>Results</b>
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	NA

*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	M
7	Instructional Literature	M

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



**RESULT:**

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: 500 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>Item# : 0211M-1          Rails/Guard Rails/Ladder          Color : <b>White</b>          PO# :          GW : 20 KGS</p>		
<p>Model          Number          Color          Date          0211M-1          White          3/25/22</p>	<p>          ITEM : 0211M-1 Mission Twin/Twin Bunk Bed</p>	 MADE IN VIETNAM	<p>Model          Number          Color          Date          0211M-1          White          3/25/22</p>
	<p>Item# : 0211M-1          Rails/Guard Rails/Ladder          Color : <b>White</b></p>	<p>PO# :          GW : 20 KGS</p>	
<p></p>	<p>          ITEM : 0211M-1 Mission Twin/Twin Bunk Bed</p>	 MADE IN VIETNAM	





BUREAU VERITAS

<p>Item# : 0211M-2 Top upright / Hardware</p> <p>Color : White PO# : Date : /2021</p>	<p>MADE IN VIETNAM</p> <p>ITEM : 0211M-2 Mission Twin/Twin Bunk Bed</p> <p>Discovery World Furniture</p> <p>DO NOT REMOVE THIS LABEL</p> <p>WARNING</p> <p>PO# : GW : KGS</p>	<p>Color : White PO# : Date : /2021</p> <p>Item# : 0211M-2 Top upright / Hardware</p>
	<p>Item# : 0211M-2 Top upright / Hardware</p> <p>Color : White</p> <p>PO# : GW : KGS</p>	
	<p>Discovery World Furniture</p> <p>WARNING</p> <p>MADE IN VIETNAM</p>	

<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats</p>	<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats Color : <b>White</b> PO# : KGS GW : KGS</p>	<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats Color : <b>White</b> PO# : Date : / 2021</p>
<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats</p> <p>Color : <b>White</b> PO# : Date : / 2021</p>	<p></p> <p><b>Discovery™</b> World Furniture</p> <p>ITEM : 0211M-3 Mission Twin/Twin Bunk Bed</p> <p><b>JL WARNING</b> To help prevent serious or fatal injuries from entrapment or falls: - Never allow a child under 6 years to operate this. - Use only mattresses which are 10" (25.4 cm) long and 37.5" (95.3 cm) wide on upper bunk. - Do not use pillows or bedding and do not use cribs, cribs, cots, or other furniture on upper bunk. - Use guardrails on both sides of upper bunk. - Do not use on uneven floor. - Do not use for storage and moving open loads. - Always use proper lifting techniques. Do not lift heavy items in any part of the back. Do not use back support for any child or adult. Do not use for storage, but not used to store, hold or carry items. DO NOT REMOVE THIS LABEL.</p> <p>MADE IN VIETNAM</p>	<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats</p>
<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats Color : <b>White</b></p>	<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats Color : <b>White</b> PO# : GW : KGS</p>	<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats</p>
<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats</p>	<p></p> <p><b>Discovery™</b> World Furniture</p> <p>MADE IN VIETNAM</p>	<p>Item# : 0211M-3 Bottom upright / T&amp;G panel / Slats</p>