



Technical Report: 96220770812
Date Received: MARCH 19, 2022

MARCH 25, 2022
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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,
 5219 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
 BOLT TOGETHER TWIN/LOFT BUNK BED SIDE RAILS, PLYWOOD LAMINATED MDF
 FACE & BACK,

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:

- All result has been transferred from technical report (9621) 181-0437 per vendor's request.



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

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Back-up Contact: Louis Tran, Tel: 84-028-37421-604 ~ 6, Ext: 339; email: louis.tran@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	M
1513.5(b)	Permanent Warning Label placement	M
1513.6	Instructions	
1513.6(a)	Size of mattress and foundation	M
1513.6(b)	Safety Warning	M
1513.6(b)(1)	Do not allow children under 6 years of age to use the upper bunk	M
1513.6(b)(2)	Use guardrails on both sides of the upper bunk	M
1513.6(b)(3)	Prohibit horseplay on or under beds	M
1513.6(b)(4)	Prohibit more than one person on upper bunk	M
1513.6(b)(5)	Use ladder for entering or leaving upper bunk	M
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(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



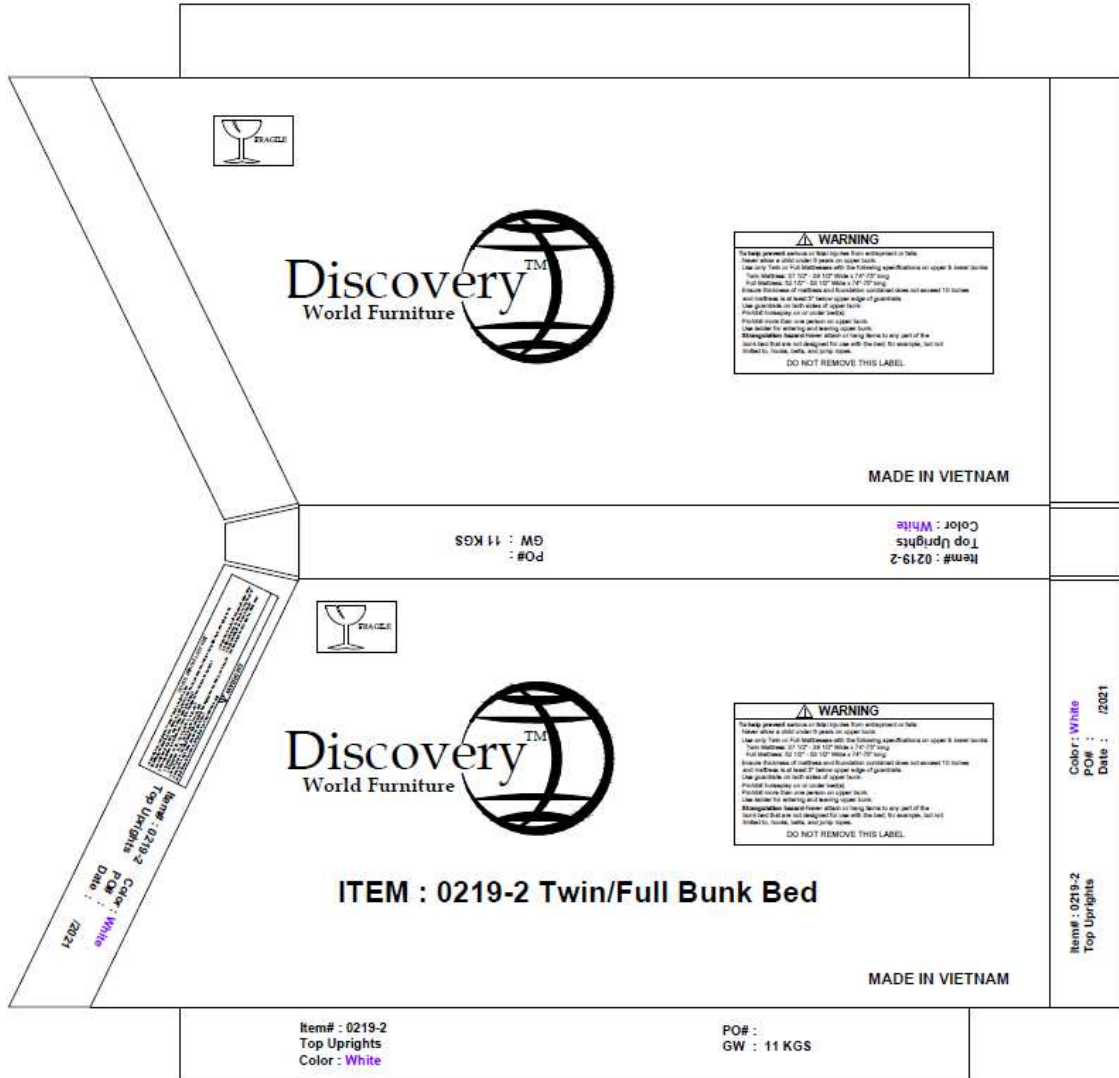


CARTON LAYOUT

	<p>POW : 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>POW : 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 Bottom Uprights/ Front Guard Rail Hardware Color: White POW: GW - 22 KGS</p>	<p>Item#: 0219-3 Bottom Uprights/ Front Guard Rail Hardware Color: White POW: GW - 22 KGS</p> <div style="text-align: center;">  <p>ITEM : 0219-3 Twin/Full Bunk Bed</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 80%;"> <p>WARNING</p> <p>To help prevent injuries to kids, please read instructions in this manual before a child enters the room or sleep room.</p> <ul style="list-style-type: none"> Use only Twin or Full Bunkbeds with the following specifications on upper & lower levels: <ul style="list-style-type: none"> Top Bunkbed: 52 1/2" - 65 1/2" (1343 - 1663) mm Full Bunkbed: 52 1/2" - 65 1/2" (1343 - 1663) mm Do not use beds with mattress and foundation combination does not exceed 130 lbs and mattress is at least 17" above upper edge of guardrails. Use guardrails on both sides of upper bunk. Do not use on stairs or on uneven floors. Do not use for sleeping and feeding a baby. Always use proper ladder technique when entering and exiting any part of the bed. Do not use the bed as a step, or use with the bed as a ramp, but use bedsteps, ladders, beds, and ladders. <p style="text-align: center;">DO NOT REMOVE THIS LABEL</p> </div> <p style="text-align: right;">MADE IN VIETNAM</p>	<p>Item#: 0219-3 Bottom Uprights/ Front Guard Rail Hardware Color: White POW: GW - 22 KGS</p>
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	Item#: 0219-4 Ladder/ Guard Rail Supports Color : White PO# : GW : 5 KGS	
Item#: 0219-4 Ladder/ Guard Rail Supports Color : White PO# : GW : 5 KGS Date : /2021	  ITEM : 0219-4 Twin/Full Bunk Bed MADE IN VIETNAM 	Item#: 0219-4 Color : White Ladder/ Guard Rail Supports Date : /2021
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