



Technical Report: 96220770811
Date Received: MARCH 19, 2022

MARCH 25, 2022
 Page 1 of 9

DISCOVERY WORLD FURNITURE
 2963 STONEWALL PLACE, SANFORD, FL 32773 USA

Sample Description: 2806 BOLT TOGETHER TWIN/LOFT BUNK BED,
 2106 BOLT TOGETHER TWIN/LOFT BUNK BED COLOR BOARD,
 0206 BOLT TOGETHER TWIN/LOFT BUNK BED COLOR BOARD,
 2906 BOLT TOGETHER TWIN/LOFT BUNK BED COLOR BOARD,
 3206 BOLT TOGETHER TWIN/LOFT BUNK BED COLOR BOARD,
 BOLT TOGETHER TWIN/LOFT BUNK BED SIDE RAILS, PLYWOOD LAMINATED
 MDF FACE & BACK,
 BOLT TOGETHER TWIN/LOFT BUNK BED SIDE RAILS, EDGE GLUED PINE
 BOLT TOGETHER TWIN/LOFT 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#:** 0206/2106/2806/2906/3206

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				



DISCOVERY WORLD FURNITURE
Technical Report: **96220770811**
MARCH 25, 2022
Page 2 of 9

Note:

- **All result has been transferred from technical report (9621) 181-0438 per vendor's request.**

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

Administrative inquiries, please contact:

Primary Contact: Elise Vo, Tel: 84-028-37421-604 ~ 6, Ext: 394; email: elise.vo@vn.bureauveritas.com

Back-up Contact: Max Tran, Tel: 848-37421-604 ~ 6, Ext: 712; email: max.tran@bureauveritas.com

Technical inquiries, please contact:

Primary Contact: Terry Nguyen, Tel: 84-028-37421-604 ~ 6, Ext: 355; email: terry.nguyen@vn.bureauveritas.com

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	M
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)	NA
1513.3(b)(4)	Neck entrapment requirements of Section 1513.4(c)(3)	NA
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	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

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: 500 LBS -SINGLE BED: 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







DISCOVERY WORLD FURNITURE
Technical Report: **96220770811**
MARCH 25, 2022
Page 6 of 9



CARTON LAYOUT

2806-2
1460*403*135 mm

<p>Item# : 2806-2 Top Upright/ Full Bottom Uprights</p> <p>Color : Merlot PO# : Date : /2021</p>	<p style="text-align: right;">Item# : 2806-2 Top Upright/ Full Bottom Uprights Color : Merlot PO# : GW : 13 KGS</p> <div style="text-align: center;">   ITEM : 2806-2 Twin/Full Student Loft Bunk Bed </div> <p style="text-align: right;">MADE IN VIETNAM</p>	<p>Item# : 2806-2 Top Upright/ Full Bottom Uprights</p> <p>Color : Merlot PO# : Date : /2021</p>
	<p style="text-align: right;">Item# : 2806-2 Top Upright/ Full Bottom Uprights Color : Merlot</p> <p style="text-align: right;">PO# : GW : 13 KGS</p>	
<p>Item# : 2806-2 Top Upright/ Full Bottom Uprights</p> <p>Color : Merlot PO# : Date : /2021</p>	<p style="text-align: center;">   MADE IN VIETNAM </p>	



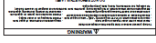





**BUREAU
VERITAS**

DISCOVERY WORLD FURNITURE

Technical Report: **96220770811**







MARCH 25, 2022

Page 8 of 9

	<p>Item# : 2806-3 Rails/ Guard Rails/ Long Post Legs/ Hardware Color : Merlot PO# : GW : 27 KGS</p>	
	<p>Discovery World Furniture</p> <p>ITEM : 2806-3 TwinFull Student Loft Bunk Bed</p>	 <p>MADE IN VIETNAM</p>
	<p>Item# : 2806-3 Rails/ Guard Rails/ Long Post Legs/ Hardware Color : Merlot PO# : GW : 27 KGS</p>	
	<p>Discovery World Furniture</p>	 <p>MADE IN VIETNAM</p>



BUREAU VERITAS

<p>Item# : 2806-4 Top Upright/ Removable Shelves/ Cross Support Panels</p> <p>Color : Marlot PO# : Date : /2021</p>	<p>Item# : 2806-4 Top Upright/ Removable Shelves/ Cross Support Panels</p> <p>Color : Marlot PO# : GW : 9 KGS</p>   <p>ITEM : 2806-4 Twin/Full Student Loft Bunk Bed</p> <p>MADE IN VIETNAM</p>  	<p>Item# : 2806-4 Top Upright/ Removable Shelves/ Cross Support Panels</p> <p>Color : Marlot PO# : Date : /2021</p>
<p>Item# : 2806-4 Top Upright/ Removable Shelves/ Cross Support Panels</p> <p>Color : Marlot PO# : Date : /2021</p>	<p>Item# : 2806-4 Top Upright/ Removable Shelves/ Cross Support Panels</p> <p>Color : Marlot PO# : GW : 9 KGS</p>   <p>MADE IN VIETNAM</p> 