



Technical Report: 96231100151
 Date Received: APRIL 20, 2023

MAY 03, 2023
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BORAAM INDUSTRIES, INC.
 960 TOWER RD, MUNDELEIN, IL 60060, USA

Sample Description:	NIKO 29" FOLDING STEP STOOL	Sample Size:	01 PACKAGED PRODUCT
Vendor:	BORAAM INDUSTRIES, INC.	VPN:	/
Manufacturer:	NGHIA KY CO., LTD	SKN/SKU No.:	/
Buyer:	BORAAM INDUSTRIES, INC	PO No.:	/
Agent:	/	Ref #:	/
Labeled Age Grade:	/	Country of Origin:	VIETNAM
Appropriate Age Grade:	/	Assortment No.:	/
Client Specified Age Grade:	/	Department No.:	/
Tested Age Grade:	/	ITEM#:	36629, 36729, 36829
UPC Code:	/	Date of Production:	04/2023
Phase of Production:	PRODUCTION	Model/Style#:	/
Color:	NATURAL, CREAM, CAPPUCCINO	Country of Destination:	USA
Program:	/		
Previous No:	N/A		

TEST PROPERTY	PASS	FAIL	DATA	N/A	Remark
Total Lead Content	X				
Phthalates Content	X				
Furniture - Leg strength	X				
Seat static load	X				
CPSD-HL-09000-USA, TRANSIT (ISTA 6-FedEx A)	X				

DESCRIPTION OF PACKAGE:

Five panel folder master container was taped at seam joint and secured by plastic tape.
 (Please see enclosed photos 1~3)

The sample product and the inner packaging materials were shown in the photos.
 (Please see enclosed photos 4~28)

Quantity of product(s) in master pack is 01 piece of sample.



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Note(s):

This report includes the test result(s) which was conducted & reviewed by Analytical department.

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: Min Truong, Tel: 848-37421-604 ~ 6, Ext: 712; email: min.truong@bureauveritas.com

Technical inquiries, please contact:

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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



SAMPLE DESCRIPTION ASSIGNED BY LABORATORY

Test Item(s)	Sample description/ Location	Material	Style(s)
I001	Brown Coating / Wooden surface	Coating	-
I002	White Coating / Wooden nut	Coating	-
I003	Metal hardware	Metal	-
I004	Metal screw	Metal	-
I005	Metal plate	Metal	-
I006	Metal in cap	Metal	-
I007	Plastic in cap	Hard Plastic	-
I008	Plastic foam	Soft Plastic	-

TEST RESULT

Total Lead Content - CA prop 65:

Test Method : CPSC-CH-E1003-09.1
 CPSC-CH-E1001-08.1
 CPSC-CH-E1002-08.1

Maximum Allowable Limit :	90 mg/kg (for coating) 100 mg/kg (for substrate)
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-	Unit	Result					
Test Item(s)	-	I001+I002	I003	I004	I005	I006	I007+I008
Parameter	-	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND
Conclusion	-	PASS	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
 Detection Limit (mg/kg) : 10

Remark :

- Tested per client's request



TEST RESULT

Phthalates Content - CA prop 65:

Test Method : CPSC-CH-C1001-09.3
 CPSC-CH-C1001-09.4

Maximum Allowable Limit :	1000 mg/kg
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Test Item(s)	Result			Conclusion
	Detected Analyte(s)	Conc.	Unit	
I001+I002	ND	ND	mg/kg	PASS
I007+I008	ND	ND	mg/kg	PASS

Note / Key :

ND = Not detected ">" = Greater than Conc. = Concentration
 % = percent 1 % = 10 000 mg/kg
 mg/kg = milligram(s) per kilogram = ppm = part(s) per million
 Detection Limit (mg/kg) : Each of the listed phthalates : 50

Remark :

- The list of phthalates is summarized in table of Appendix.
- Tested per client's request



APPENDIX

List of Phthalates:					
No.	Name of Analyte(s)	CAS-No.	No.	Name of Analyte(s)	CAS-No.
1	Butyl benzyl phthalate (BBP)	85-68-7	6	Di-iso-decyl phthalate (DIDP)	26761-40-0/68515-49-1
2	Dibutyl phthalate (DBP)	84-74-2	7	Dicyclohexyl phthalate (DCHP)	84-61-7
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	8	Di-n-pentyl phthalate (DPENP/ DnPP)	131-18-0
4	Di-n-octyl phthalate (DNOP)	117-84-0	9	Di-n-hexyl phthalate (DHEXP/ DnHP)	84-75-3
5	Di-iso-nonyl phthalate (DINP)	28553-12-0/68515-48-0	10	diisobutyl phthalate (DiBP)	84-69-5

CAS-No. = Chemical Abstracts Service registry number



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BUREAU VERITAS TEST PROTOCOL

BV Lab Number: **96231100151**
 Technician Name: LUK
 Test Date: APRIL 20, 2023
 Reviewed By/Date: SAT/ MAY 03, 2023

Protocol Number	CPSD-HL-03057-USA-3 STAR		Version	60
Protocol Description	SINGLE SEATING			
Country	United States			
Scope	Applicable to chairs, stools, ottomans, single seating lounge and rocking chair			
Creation Date	29/Apr/2014	Last Revision Date	22/Nov/2022	
Client Approval Date		Approver		
No. of Sample for testing	-	1 STAR: 2 2 STAR: 4 3 STAR: 4		
No. of Carton for transit testing	1			
No. of Working Days for testing	7			

Keys					
A	Additional Charge For This Test	M	Mandatory	R	Regulatory

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Result	Rating
	Furniture - Leg strength	Applied forces, visual exam	No structural failure at the test load applied vertically to the leg at 1 in from the end of the leg. Force is applied in the specified direction in the method. Force/ Load applied = 0.5 x (unit weight of sample, lb) + 10 lbf		X	X	M Unit weight: 22.2 lb F= 0.5 x 22.2 + 10= 21.1 lbf	PASS
	Seat static load	Load with canvas bag with 16 inch base diameter	Apply a test load to seating area for 1 minute. Outdoor sample – 400 lb Indoor sample – 300 lb If the sample has more than one seating area, Two seating areas – Simultaneously test on both seating areas Three seating areas – Simultaneously test on one end seating area and the center seating area Four seating areas or more – Simultaneously test on two adjacent seating areas followed by two adjacent center seating area Shall not have any permanent deformation larger than 1/4 in., loss of functionality or structural failure		X	X	M Indoor sample Test load: 300 lb/each step for individual and then simultaneously in both 3 areas	PASS



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BUREAU VERITAS TEST PROTOCOL

BV Lab Number: **96231100151**
 Technician Name: **BN**
 Test Date: **APRIL 20, 2023**
 Reviewed By/Date: **KA/ MAY 03, 2023**

Protocol Number	CPSD-HL-09000-USA		Version	32
Protocol Description	TRANSIT			
Country	United States			
Scope	This protocol applicable to below standards: ISTA 6-FedEx A: Performance testing for FedEx Ground® and FedEx Express® packages weighing less than 150 lbs., and with less than 165" combined length and girth			
Creation Date	18/Sep/1998	Last Revision Date	28/Jun/2022	
Client Approval Date		Approver		
No. of Sample for testing				
No. of Working Days for testing				

Keys					
A	Additional Charge For This Test	M	Mandatory	R	Regulatory

	Evaluation	Citation / Method	No. of Samples	Criteria	Result	Rating
LABELING						
	Labeling - over packaging	Visual		Label identifying an "Over-Packaged Product For Drop / Vibration Testing".	No Over-packaged	/
	Labeling - packaged product	Visual		Label identifying a "Packaged Product For Drop / Vibration Testing".	Not Provided	/
PHYSICAL CHARACTERISTICS						
	Dimensions, weight, counts - product	Dimensional or weight measurements	1	Each dimension should be listed and measured as appropriate. Shall meet claim. 1. Overall dimension (per product) 2. Overall weight (per product) 3. Folded dimension 4. Useful dimension (Measurement range, seated height, foot dimension) 5. Counts (Features, design, layers) 6. Material thickness (if claimed)	- Overall package dimension: 32-7/8" x 18-3/4" x 7-3/4" - Overall package weight: 28 Lbs - Material thickness: Double Wall (0.26")	/
WORKMANSHIP						
	Inspection	Visual		[Over packaging]	NA	/



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	Evaluation	Citation / Method	No. of Samples	Criteria	Result	Rating
				No major defects / no breaks in or crushing of the over-packaging.		
	Inspection	Visual		[Packaged product] No major defects / no breaks in or crushing of the packaging - The packaged product shall not be opened prior to testing unless there is a sign of damage such as rattling. In this case, the package can be opened and the item inspected for damage. Damaged product will not be tested. Inner packaging must not be disturbed in a manner to compromise test results after resealing the package; report as data only.	No Major Defect	DATA
	Hazards	Visual		Staples are not permitted in the construction of the carton except along the bottom or along the manufacturer's edge only. Steel strapping is not permitted. Plastic strapping is permitted but the securing device / method (i.e. Buckle) must not contain or create a sharp point or edge.	M	PASS
PERFORMANCE						
A	Inspection of electrical samples after testing	Visual		No damage to electrical components. Must function as intended.	NA	/
A	Bursting strength	TAPPI T810 om-17 (Mod)		[By request only] Report actual. Modification: Condition 21 ± 1°C (70 ± 2°F) and 65 ± 2% R.H.	Not Request	/
A	Edgewise compressive strength test	TAPPI T811 om-17 (Mod)		[By request only] Report the average maximum load per unit width (lbf/in). Modification: Condition 21±1 °C (70 ± 2 °F) and 65 ± 2% RH	Not Request	/
A	Sutherland rub test	ASTM D5264-98 (R19) (Mod)		[By request only] Printed shipping carton which is also the shelf carton shall not have any defects after 25 cycles using 2 lb weight.	Not Request	/
A	Edgewise compressive strength	TAPPI T839 om-18 (Mod)	1	[By request only] Report actual Modification: Condition 21 ± 1 °C (70 ± 2 °F) and 65 ± 2% RH	Not Request	/
	International shipment - standard	ISTA 6-FedEx A-2022		No major defects after the test sequence. 1. Atmospheric preconditioning - At least 12 hours at 73°F and 50% RH. If package	M 1. Atmospheric preconditioning:	PASS



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 Reviewed By/Date: **KA/ MAY 03, 2023**

	Evaluation	Citation / Method	No. of Samples	Criteria	Result	Rating
	packages			contains perishable products, no preconditioning required. 2. Free fall drop test - 10 drops from specific height 3. Compression test - Report the compression load 4. Random vibration test 5. Free fall drop test - 10 drops from specific height	No preconditioning required 2. Free-fall drop test: Weight: 28 Lbs Drop Height: 30" 3. Compression test: Test Load = 1297.7 Lbf No major defect 4. Random vibration test: No major defect 5. Second free-fall drop test: Weight: 28 Lbs Drop Height: 30"	
OTHERS						
	Internal packing	UPS Requirement	1	[Packaged product] Shall not use newspaper / magazine / newsprint internal packing material	M	PASS

Photos Required For Transit Test Reporting (as applicable)	
1	Isometric view showing printing and warning signs (NOTE: When taking this photo all writing and warning labels must be visible and readable. This is the only digital where it needs to be readable.)
2	Front view
3	Back view
4	Blister pack with parts, and where located
5	Packing foam
6	Rear face with bottom packing



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7	Close up of bottom packing
8	Isometric view of packing materials
9	Close up of foam corner
10	Front face of product with shimming.
11	Photos of broken packing (foam) regardless of pass or fail. State where located
12	Close up of damaged carton. State where located
13	Close up of damaged product. State where damage located.

Note: If no criteria are provided, any of the following may result in a failure

For carton:

1. Any rupture of the shipping carton.
2. Any potential hazard existing on the carton (such as a sharp edge on the buckle of the banding strap).

For retail package :

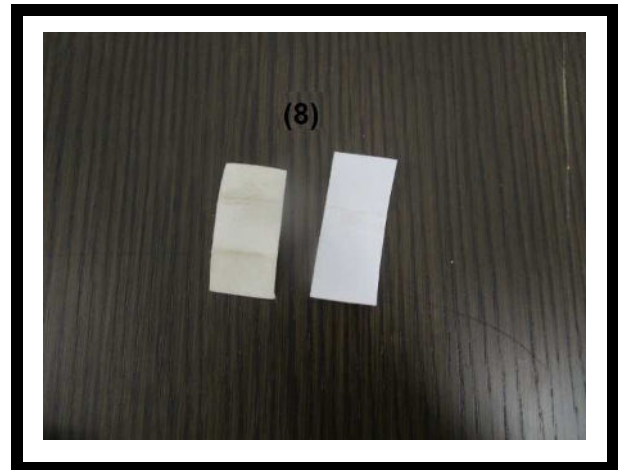
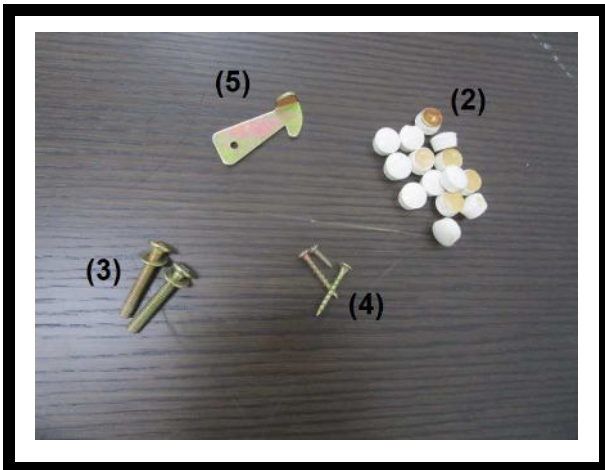
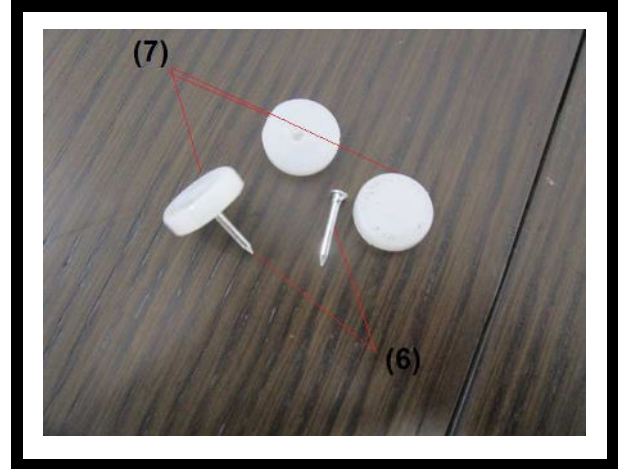
1. Any major scuffing of the retail package.

For product:

1. Any major damage on the product.
2. Any break or damage which influences the functionality of the product
3. Any components or hardware loosened and /or dislocated within the shipping carton.



COMPONENT FOR CHEMICAL TEST



PACKAGING PHOTO

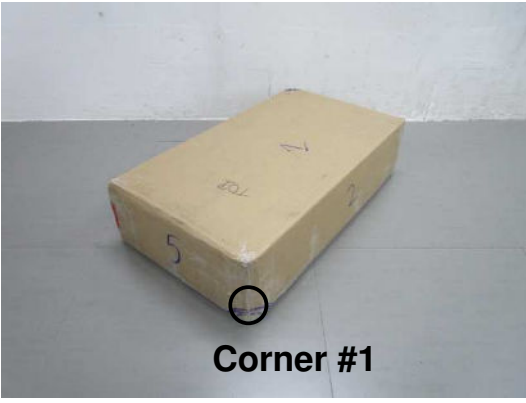





 <p>Corner #1</p>	
<p>Photo 1</p>	<p>Photo 2</p>
	 <p>Front view</p>
<p>Photo 3</p>	<p>Photo 4</p>
 <p>Rear view</p>	
<p>Photo 5</p>	<p>Photo 6</p>



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12



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Photo 13



Photo 14



Photo 15



Photo 16



Photo 17



Photo 18



Photo 19



Photo 20



Photo 21



Photo 22



Photo 23



Photo 24



Photo 25



Photo 26



Photo 27



Photo 28