



**Technical Report:** 96240740448  
**Date Received:** MARCH 14, 2024

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UNION WINNER INTERNATIONAL CO., LTD  
LOT E6, ROAD 1ST, TAN DO INDUSTRIAL ZONE, BINH TIEN 2 HAMLET, DUC HOA HA COMMUNE, DUC HOA  
DISTRICT, LONG AN PROVINCE, VIETNAM/82724

Sample Description:	2"FAUX WOOD CORDLESS BLINDS&SLATS		
Vendor:	UNION WINNER	Sample Size:	/
	INTERNATIONAL CO., LTD		
Manufacturer:	UNION WINNER	VPN:	/
	INTERNATIONAL CO., LTD		
Buyer:	LOTUS & WINDOWWARE, INC	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#:	/
Color:	WHITE/ BRIGHT WHITE	Date of Production:	/
Program:	/	Model/Style#:	/
Previous No:	/	Country of Destination:	USA

TEST PROPERTY	PASS	FAIL	DATA	N/A	Remark
Total Lead Content in window coverings	X				
ASTM F963-23 Total Heavy Metal in Surface Coating	X				
ASTM F963-23 Soluble Heavy Metal in Surface Coating	X				
ASTM F963-23 Total Heavy Metal in Substrates	X				
ANSI/WCMA A100.1-18 Sec. 4.5, Inner cords	X				

**Note(s):**

- 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:

**Administrative inquiries, please contact:**

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**BUREAU VERITAS CONSUMER PRODUCTS SERVICES (VN) LTD.**

**TERRY NGUYEN**  
**LAB MANAGER – HARDLINE, TOYS & JUVENILE PRODUCTS DIVISION**

**SAMPLE DESCRIPTION ASSIGNED BY LABORATORY**

Test Item(s)	Sample description/ Location	Material	Style(s)
I001	White coating / Mounting bracket	Coating	-
I002	Silver metal / Mounting bracket	Metal	-
I003	Silver metal / Screw of mounting bracket	Metal	-
I004	White plastic / Head rail	Hard plastic	-
I005	White plastic / Valance	Hard plastic	-
I006	White plastic / Valance clip	Hard plastic	-
I007	Off white plastic / Valance return clip	Hard plastic	-
I008	Transparent plastic / Clip on top slat	Hard plastic	-
I009	Transparent plastic / Wand head	Hard plastic	-
I010	White plastic / Wand	Hard plastic	-
I011	Transparent plastic / Wand end cap	Hard plastic	-
I012	White plastic / Slat	Hard plastic	-
I013	White plastic / Bottom rail	Hard plastic	-
I014	White plastic / Bottom rail end cap	Hard plastic	-
I015	White plastic / Outer holder cord	Hard plastic	-
I016	Transparent brown plastic / Inner holder cord	Hard plastic	-
I017	Transparent plastic / Hold down bracket	Hard plastic	-
I018	Silver metal / Screw of hold down bracket	Metal	-
I019	White coating / Mounting bracket	Coating	-
I020	Off white coating / Head rail	Coating	-
I021	Silver metal / Mounting bracket	Metal	-
I022	Silver metal / Screw of mounting bracket	Metal	-
I023	Silver metal / Head rail	Metal	-
I024	Off white plastic / Valance	Hard plastic	-
I025	Transparent plastic / Valance clip	Hard plastic	-
I026	White plastic / Head rail end cap	Hard plastic	-
I027	Transparent plastic / Clip on top slat	Hard plastic	-
I028	Transparent plastic / Wand head	Hard plastic	-
I029	White plastic / Wand	Hard plastic	-
I030	Transparent plastic / Wand end cap	Hard plastic	-
I031	White plastic / Slat	Hard plastic	-
I032	White plastic / Bottom rail	Hard plastic	-
I033	Off white plastic / Bottom rail end cap	Hard plastic	-
I034	White plastic / Outer holder cord	Hard plastic	-
I035	Transparent plastic / Inner holder cord	Hard plastic	-
I036	Silver metal / Hold down bracket	Metal	-
I037	Silver metal / Screw of hold down bracket	Metal	-
I038	White coating / Mounting bracket	Coating	-
I039	White coating / Head rail	Coating	-
I040	Silver metal / Mounting bracket	Metal	-
I041	Silver metal / Screw of mounting bracket	Metal	-
I042	Silver metal / Head rail	Metal	-
I043	White plastic / Valance	Hard plastic	-
I044	Transparent plastic / Valance clip	Hard plastic	-
I045	White plastic / Valance return clip	Hard plastic	-
I046	Transparent plastic / Head rail end cap	Hard plastic	-
I047	Transparent plastic / Clip on top slat	Hard plastic	-
I048	Transparent plastic / Wand head	Hard plastic	-



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I049	White plastic / Wand	Hard plastic	-
I050	Transparent plastic / Wand end cap	Hard plastic	-
I051	White plastic / Slat	Hard plastic	-
I052	White plastic / Bottom rail	Hard plastic	-
I053	White plastic / Bottom rail end cap	Hard plastic	-
I054	White plastic / Outer holder cord	Hard plastic	-
I055	Transparent brown plastic / Inner holder cord	Hard plastic	-
I056	Silver metal / Hold down bracket	Metal	-
I057	Silver metal / Screw of hold down bracket	Metal	-
I058	White plastic / Extra slat	Hard plastic	-



## TEST RESULT

### Total Lead Content in window coverings - American National Standard ANSI/WCMA A100.1-2022, Section 4.1

<b>Maximum Allowable Limit :</b>	<b>100 mg/kg</b>
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-	Unit	Result						
<b>Test Item(s)</b>	-	I010	I011	I012	I013	I014	I015	I016
<b>Parameter</b>	-	-	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	PASS	PASS	PASS	PASS	PASS	PASS	PASS

-	Unit	Result						
<b>Test Item(s)</b>	-	I017	I018	I029	I030	I031	I032	I033
<b>Parameter</b>	-	-	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	PASS	PASS	PASS	PASS	PASS	PASS	PASS

-	Unit	Result						
<b>Test Item(s)</b>	-	I034	I035	I036	I037	I049	I050	I051
<b>Parameter</b>	-	-	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	PASS	PASS	PASS	PASS	PASS	PASS	PASS

-	Unit	Result						
<b>Test Item(s)</b>	-	I052	I053	I054	I055	I056	I057	I058
<b>Parameter</b>	-	-	-	-	-	-	-	-
Total Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND
<b>Conclusion</b>	-	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Note / Key :

ND = Not detected  
 mg/kg = milligram(s) per kilogram = ppm = part(s) per million  
 % = percent  
 Detection Limit (mg/kg) : 10

">" = Greater than  
 10 000 mg/kg = 1 %  
 WCMA = Window Covering Manufacturers Association, Inc.

Remark :

- Exterior components such as accessible surface coatings and substrate materials of blind which are 12 inches (31 centimeters) or more below the bottom of the head rail are applicable to be tested.
- Non-suspect materials as defined by United States Consumer Products Safety Commission (CPSC) in Code of Federal Regulations (CFR), Title 16, Sections 1500.91(d) and (e) are exempted from this total lead content testing.
- Vendor is responsible for the compliance of all other material(s) which was (were) not tested above.



## TEST RESULT

### Total Heavy Metal in Surface Coating (ASTM F963-23)

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
Test Item(s)	--	I001	I019	I020	I038	I039	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	ND	ND	Max. 25
Barium (Ba)		1550	509	40676	1268	44271	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		11	ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	DATA	PASS	DATA	DATA	DATA	--

#### Key(s) :

ND = Not detected

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Detection Limit ( mg/kg ) : Sb : 20 ; As : 10 ; Ba : 40 ; Cd : 20 ; Cr : 10 ; Pb : 20 ; Hg : 10 ; Se : 40

#### Remark(s) :

- Test Item(s) with total heavy metals content in surface coating exceeding 80 % of this maximum allowable limit based on the lowest weight component or this maximum allowable limit should be considered as data and further tested by soluble heavy metals analysis of ASTM International Standard ASTM F963-23, Sections 8.3.2 to 8.3.4 as specified in Section 8.3.1.3.



## TEST RESULT

### Soluble Heavy Metal in Surface Coating (ASTM F963-23)

Test Parameter(s)	Unit(s)	Result(s)				Requirement(s)
Test Item(s)	--	I001	I020	I038	I039	--
Mass of Trace Amount	g	0.0207	0.0203	0.0220	0.0216	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	ND	Max. 25
Barium (Ba)		ND	488	ND	481	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	PASS	PASS	--

#### Key(s) :

ND = Not detected

g = gram(s)

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Analytical Correction ( % ) - Sb : 60 ; As : 60 ; Ba : 30 ; Cd : 30 ; Cr : 30 ; Pb : 30 ; Hg : 50

Detection Limit ( mg/kg ) : Sb : 6.0 ; As : 2.5 ; Ba : 100 ; Cd : 7.5 ; Cr : 6.0 ; Pb : 9.0 ; Hg : 6.0 ; Se : 50



## TEST RESULT

### Total Heavy Metal in Substrates (ASTM F963-23)

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
Test Item(s)	--	I002	I003	I004	I005	I006	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		40	27	ND	ND	ND	Max. 25
Barium (Ba)		ND	ND	ND	73	7	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		95	179	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	DATA	DATA	PASS	PASS	PASS	--

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
Test Item(s)	--	I007	I008	I009	I010	I011	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	ND	ND	Max. 25
Barium (Ba)		ND	ND	ND	ND	ND	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	PASS	PASS	PASS	--

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
Test Item(s)	--	I012	I013	I014	I015	I016	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	ND	ND	Max. 25
Barium (Ba)		180	ND	ND	ND	ND	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60



Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	PASS	PASS	PASS	--

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
Test Item(s)	--	I017	I018	I021	I022	I023	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	22	24	22	48	Max. 25
Barium (Ba)		ND	ND	ND	ND	97	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	162	100	95	198	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	DATA	DATA	DATA	DATA	--

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
Test Item(s)	--	I024	I025	I026	I027	I028	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	ND	ND	Max. 25
Barium (Ba)		70	ND	ND	ND	ND	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	PASS	PASS	PASS	--

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
Test Item(s)	--	I029	I030	I031	I032	I033	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	ND	ND	Max. 25
Barium (Ba)		ND	ND	183	ND	ND	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	PASS	PASS	PASS	--

Test Parameter(s)	Unit(s)	Result(s)					Requirement(s)
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Test Item(s)	--	I034	I035	I036	I037	I040	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	77	23	15	Max. 25
Barium (Ba)		ND	ND	ND	ND	ND	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	149	108	109	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	DATA	DATA	DATA	--

Test Parameter(s)	Unit(s)	Result(s)						Requirement(s)
Test Item(s)	--	I041	I042	I043	I044	I045	I046	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		25	31	ND	ND	ND	ND	Max. 25
Barium (Ba)		ND	ND	108	ND	ND	ND	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		86	231	ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	ND	Max. 500
Conclusion	--	DATA	DATA	PASS	PASS	PASS	PASS	--

Test Parameter(s)	Unit(s)	Result(s)						Requirement(s)
Test Item(s)	--	I047	I048	I049	I050	I051	I052	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	ND	ND	ND	Max. 25
Barium (Ba)		ND	ND	ND	ND	200	ND	Max. 1000
Cadmium (Cd)		ND	ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	ND	ND	ND	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	PASS	PASS	PASS	PASS	--

Test Parameter(s)	Unit(s)	Result(s)						Requirement(s)
Test Item(s)	--	I053	I054	I055	I056	I057	I058	--
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	ND	Max. 60
Arsenic (As)		ND	ND	ND	16	22	ND	Max. 25
Barium (Ba)		ND	ND	ND	ND	ND	175	Max. 1000



Cadmium (Cd)		ND	ND	ND	ND	ND	ND	Max. 75
Chromium (Cr)		ND	ND	ND	151	91	ND	Max. 60
Lead (Pb)		ND	ND	ND	ND	ND	ND	Max. 90
Mercury (Hg)		ND	ND	ND	ND	ND	ND	Max. 60
Selenium (Se)		ND	ND	ND	ND	ND	ND	Max. 500
Conclusion	--	PASS	PASS	PASS	DATA	DATA	PASS	--

**Key(s) :**

ND = Not detected

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Detection Limit ( mg/kg ) for metallic materials : Sb : 20 ; As : 10 ; Ba : 50 ; Cd : 10 ; Cr : 10 ; Pb : 10 ; Hg : 10 ; Se : 50

Detection Limit ( mg/kg ) for non-metallic materials : Sb : 30 ; As : 16 ; Ba : 10 ; Cd : 10 ; Cr : 10 ; Pb : 10 ; Hg : 10 ; Se : 50

**Remark(s) :**

- Test Item(s) with total heavy metals content (Except for total lead content) in substrate exceeding 80 % of this maximum allowable limit based on the lowest weight component or this maximum allowable limit should be considered as data and further tested by soluble heavy metals analysis of ASTM International Standard ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3)) as specified in Section 8.3.1.3.



BUREAU  
VERITAS

## BUREAU VERITAS TEST PROTOCOL

BV Lab Number: **96240740448**  
Technician Name: LUK  
Test Date: MARCH 14, 2024  
Reviewed By/Date: SAT/ APRIL 03, 2024

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Protocol Number	CPSD-HL-04316.01-USA-3 STAR		Version	17
Protocol Description	STOCK WINDOW COVERINGS (SHADES, BLINDS, ETC.)			
Country	United States			
Scope	Applicable to all <u>stock</u> window coverings (shades, blinds, etc.). Per the WCMA standard, applicable window coverings need to be marked on the manufacturer's label indicating whether the product is considered to be a stock product or a custom product per the WCMA standard definitions. A product with a manufacturer's label indicating "Stock" or simply marked with an "S" will be considered to be a stock window covering. A product with a manufacturer's label indicating "Custom" or simply marked with a "C" will be considered a custom window covering. If the manufacturer label is not present or the label does not clearly identify the product as either stock or custom, then the lab needs to reach out to the manufacturer to have them inform the lab as to the proper classification of the product. The lab <u>cannot</u> make this assessment for the manufacturer. This protocol is only applicable to window coverings that are classified by the manufacturer to be "Stock" products.			
Creation Date	28/Mar/2018	Last Revision Date	25/Nov/2023	
Client Approval Date		Approver		
No. of Sample for testing	4			
No. of Carton for transit testing	1			
No. of Working Days for testing	10			

Keys					
A	Additional Charge For This Test	M	Mandatory	R	Regulatory

	Evaluation	Citation / Method	Criteria	1 Star	2 Star	3 Star	Result	Rating
A	Total lead in window coverings	ANSI/WCMA A100.1-22 Sec. 4.1	Exterior components including all accessible surface coatings and substrate materials of the window covering which are 12in (31cm) or more below the bottom of the headrail, shall not contain lead in excess of 0.01% (100 mg/kg) by the weight of the total content.  Note: Non-suspect materials as defined by the Consumer Products Safety Commission in 16 CFR 1500.91 (d) and (e) will be exempted from testing. It is the vendor's responsibility to ensure compliance of all accessible non-suspect materials and inaccessible materials.  Client requirement		X	X	M See test result table	PASS
A	Inner cords	ANSI/WCMA A100.1-18 Sec. 4.5	All products with inner cords must meet the requirements in Appendix C and Appendix D. If the product has shrouded inner cords, they must meet requirements in 6.3. If the product has inner cord stop devices or cord connectors, it must meet requirements in 6.7	X	X	X	All (3) samples: M	PASS

