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CNAS L1744

## CHENGHAI DISTRICT SHANTOU CITY BEIDIYUAN TOYS FACTORY

**Technical Report:** (8822)133-0151

Jun 14, 2022

Date Received: May 13, 2022

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CHENGHAI DISTRICT SHANTOU CITY BEIDIYUAN  
TOYS FACTORY  
CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG  
PROVINCE, CHINA

Sample Description:	DRAWING BOARD SERIES	Sample Size:	42
Vendor:	N/A	Style No(s):	SEE ATTACHMENT
Manufacturer:	N/A	SKN/SKU No.:	NOT PROVIDE
Labeled Age Grade:	3+	PO No.:	NOT PROVIDE
Appropriate Age Grade:	OVER 3 YEARS	Ref #:	NOT PROVIDE
Client Specified Age Grade:	3+		
Tested Age Grade:	OVER 3 YEARS	Country of Origin:	NOT PROVIDE
UPC Code:	N/A	Assortment No.:	NOT PROVIDE
Test Starting Date:	MAY 13, 2022	Test Finished Date:	JUN 14, 2022

### EXECUTIVE SUMMARY:

Test Requested	Conclusion
Mechanical hazards requirements of ASTM F963-17, "Standard consumer safety specification for toy safety".	PASS
Battery-operated toys test requirements of ASTM F963-17, "Standard consumer safety specification for toy safety", Section 4.25 (exclude 4.25.10 & 4.25.11).	PASS
Flammability requirement of solids under ASTM F963-17 section 4.2 according to Annex A5, "Flammability testing procedure for solids and soft toys".	PASS
Total lead content in surface coating requirements of ASTM F963-17, "Standard consumer safety specification for toy safety", Section 4.3.5.1(1).	PASS
Total lead content in substrate requirements of ASTM F963-17, "Standard consumer safety specification for toy safety", Section 4.3.5.2(2)(a).	PASS

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD  
DONGGUAN BRANCH

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### REMARK

If there are questions or concerns on this report, please contact the following persons:

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**EXECUTIVE SUMMARY:**

Test Requested	Conclusion
Initial total heavy metals content analysis for soluble heavy metals content in substrate requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).	PASS

Note: At the request of client, test(s) was conducted on the certain component(s) of the submitted samples(s) / submitted component(s).

**ATTACHMENT:**

Style No(s):

WOZM082765, 050-1, 050-2, 050-3, 050-4, 050-5, 050-6, 050-7, 050-8, 050-9, 050-10, 050-11, 050-12, 050-13, 050-14, 050-15, 050-16, 050-17, 050-18, 050-19, 050-20, 050-21, 050-24, 050-25, 050-26, 050-27, 050-28, 050-29, 050-30, 050-31, 050-32, 050-33, 050-34, 050-35, 050-36, 050-37, 050-38, 050-39, 050-40, 050-41, 050-42, 050-43, 050-44, 050-45, 050-46, 050-47, 050-48, 050-49, 050-50, 050-51, 050-52, 050-53, 050-54, 050-55, 050-56, 050-57, 050-58, 050-59, 050-60, 050-61, 050-62, 050-63, 050-64, 050-65, 050-66, 050-67, 050-68, 050-69, 050-70, 050-71, 050-72, 050-73, 050-74, 050-75, 050-76, 050-77, 050-78, 050-79, 050-80, 050-81

**Tested Component(s) Description List:**

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Light yellow plastic	Yellow projector	-
I002	Dark green plastic	Dark green desktop	-
I003	Light green plastic	Light green table leg	-
I004	White plastic	White writing board	-
I005	Red plastic	Drawing board frame	-
I006	Blue plastic	Blue drawing board	-
I007	Transparent soft plastic	screen sheet	-
I008	Black sponge with viscose	Blackboard eraser	-
I009	White fiber	Pen point	-
I010	Dark yellow plastic	Pen	-
I011	Black coating	Yellow projector	-



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**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-17, "Standard Consumer Safety Specification on Toy Safety". Annex A1

Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.

Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.



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## RESULTS:

### PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-17)

Section	Requirement	Result
4.1	Material Quality	M
4.2	Flammability	M
4.3.7	Stuffing Materials	N/A
4.5	Sound-Producing Toys	M
4.6	Small Objects	M
4.7	Accessible Edges	M
4.8	Projections	N/A
4.9	Accessible Points	M
4.10	Wires and Rods	N/A
4.11	Nails and Fasteners	M
4.12	Plastic Film	M(*)
4.13	Folding Mechanisms and Hinges	M(*)
4.14	Cords, Straps and Elastics	N/A
4.15	Stability and Over-Load Requirements	M(*)
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearances and Accessibility of Mechanisms	M
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys (exclude Section 4.25.10 Battery-powered ride-on toys & Section 4.25.11 Toys that Contain Secondary Cells or Secondary Batteries)	M
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.30	Toy Gun Marking	N/A
4.32	Certain Toys with Nearly Spherical Ends	N/A
4.34	Small Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	M
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
4.40	Expanding Materials	N/A

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section NT=Not Test

- \* The test results are determined by the sample submitted by the client on 2022-06-01.
- The above result was performed at a Bureau Veritas CPS approved subcontract lab.



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**RESULTS:**

**FLAMMABILITY (16 CFR SECTION 1500.3(c)6)(vi))**

Requirement	Test Method Reference	Findings
Burn rate no greater than 0.1 of an inch per second	16 CFR 1500.44	Did not ignite.
Burn rate no greater than 0.1 of an inch per second	16 CFR 1500.44	Most rapid burn rate less than 0.1 of an inch per second.

Sample	Burning Rate (inch/sec)	Limit (inch/sec)
Drawing board series	DNI	0.1
Projection board	DNI	0.1
Drawing pen	0.01	0.1
Magnet	0.01	0.1
Eraser	0.02	0.1

**Remark:**

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**RESULTS:**

**Total Lead Content in Surface Coating – ASTM International Standard ASTM F963-17, Section 4.3.5.1(1)**

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Maximum Allowable Limit :	90 mg/kg
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Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I011	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10

As per client's request, test conducted on specified material.

Remark:

- The above result was performed at a Bureau Veritas CPS approved subcontract lab.



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**RESULTS:**

**Total Lead Content in Substrate – ASTM International Standard ASTM F963-17, Section 4.3.5.2(2)(a)**

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Maximum Allowable Limit :	100 mg/kg
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Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I001	ND	mg/kg	PASS
I002	ND	mg/kg	PASS
I003	ND	mg/kg	PASS
I004	ND	mg/kg	PASS
I006	ND	mg/kg	PASS
I007	ND	mg/kg	PASS
I008	ND	mg/kg	PASS
I009	ND	mg/kg	PASS
I010	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10

As per client's request, test conducted on specified material.

Remark:

- The above result was performed at a Bureau Veritas CPS approved subcontract lab.



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## RESULTS:

### Total Heavy Metals Content - Initial Analysis for Soluble Heavy Metals Content in Substrate – ASTM International Standard ASTM F963-17, Section 4.3.5.2(2)(b)

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1 and Annex A7.

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit Type I (mg/kg)	25	1000	75	60	60	90	60	500
Max. Limit Type II (mg/kg)	25	250	50	25	25	90	60	500

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Test Item(s)	Result (mg/kg)								
Type I: Substrate other than modeling clay									
I001	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I002	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I003	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I004	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I005	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I006	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I007	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I008	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I009	ND	ND	ND	ND	ND	ND	14	ND	PASS
I010	ND	ND	ND	ND	ND	ND	ND	ND	PASS

#### Note / key:

As = Arsenic                      Ba = Barium                      Cd = Cadmium                      Cr = Chromium  
Hg = Mercury                      Pb = Lead                      Sb = Antimony                      Se = Selenium  
ND = Not detected                      g = gram(s)                      % = percent

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : As and Cr: 7, Hg: 5, Other elements: 10

As per client's request, test conducted on specified material.

#### Remark:

- The above result was performed at a Bureau Veritas CPS approved subcontract lab.





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**RESULTS:**





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**RESULTS:**



**RESULTS:**

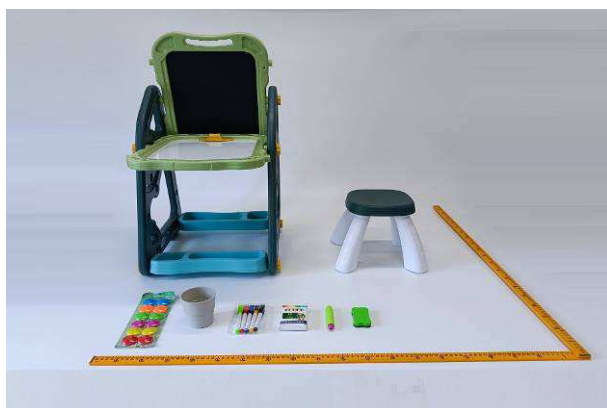




**RESULTS:**



**RESULTS:**



END OF REPORT