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检测
TESTING
CNAS L1744

NINGBO MINGPENG INDUSTRY AND TRADE CO., LTD

Technical Report: (8825)135-0159 Revision
Date Received: May 16, 2025

Jan 22, 2026
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NINGBO MINGPENG INDUSTRY AND TRADE CO., LTD
LUGUANG BRIDGE, HENGXI VILLAGE, HENGXI TOWN,
YINZHOU DISTRICT NINGBO

Sample Description:	MULTI-GAMING BALL TABLE	Sample Size:	2
Vendor:	N/A	Style No(s):	A70-108V80MX
Manufacturer:	NINGBO MINGPENG INDUSTRY AND TRADE CO., LTD		
Labeled Age Grade:	NOT PRESENT	SKN/SKU No.:	NOT PROVIDE
Appropriate Age Grade:	OVER 6 YEARS OF AGE	PO No.:	NOT PROVIDE
Client Specified Age Grade:	6+	Ref #:	NOT PROVIDE
Tested Age Grade:	OVER 6 YEARS OF AGE	Country of Origin:	CHINA
UPC Code:	N/A	Assortment No.:	NOT PROVIDE
Resubmitted Sample Date:	JUN 23, 2025	1 ST Further Information Date:	JUL 9, 2025
		2 ND Further Information Date:	JAN 22, 2026
Test Starting Date:	MAY 16, 2025	Test Finished Date:	JUL 9, 2025

EXECUTIVE SUMMARY:

Test Requested	Conclusion
(#)Mechanical hazards requirements of ASTM F963-23, "Standard consumer safety specification for toy safety".	PASS
Labeling requirements of ASTM F963-23, "Standard consumer safety specification for toy safety".	PASS
(#)Flammability requirement of solids under ASTM F963-23 section 4.2 according to Annex A5, "Flammability testing procedure for solids and soft toys".	PASS

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Lisa Bai

Lisa Bai
Analytical lab technical ass. manager



BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Tone Tang

Tone Tang
Physics Lab Assistant Supervisor

RT/ Carmen Xiong

REMARK

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

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com
Business Contact: (86) 0769 85893595

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EXECUTIVE SUMMARY:

Test Requested	Conclusion
<i>(#)Phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.8.</i>	PASS
<i>(#)Soluble Heavy Metals Content in Surface Coating –ASTM F963-23, Section 4.3.5.1(2)</i>	PASS
<i>(#)Soluble Heavy Metals Content in Substrate –ASTM F963-23, Section 4.3.5.2(2)(b)</i>	PASS
<i>(#)Total Lead Content in Surface Coating – ASTM International Standard ASTM F963-23, Section 4.3.5.1(1)</i>	PASS
<i>(#)Total Lead Content in Substrate – ASTM International Standard ASTM F963-23, Section 4.3.5.2(2)(a)</i>	PASS
<i>(#)Phthalates Content in Children's Toys and Childcare Articles – Proposed Amendment rule Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108(a) and 108(b)(3) - BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP Content</i>	PASS
<i>(#)Total Lead Content in Surface Coating – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 101(f)</i>	PASS
<i>(#)Total Lead Content in Substrate Materials – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 101(a)(2)</i>	PASS

Note: At the request of the client, the sample(s) was evaluated for use by children 6+.

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

Note: The composite test sample(s) of the submitted samples was prepared in the manner requested by the client, when subject to the test performed.

Note: Tests with (#) are accredited by CNAS.

Note: The report has added Appropriate Age Grade.



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Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Multicolor coating	Chalk box	-
I002	Black coating	Surface of pole,shelf,screw	-
I003	Green/white coating	Surface of desktop	-
I004	Deep black coating	Desk edge,dice	-
I005	Black/nude/blue coating	Footballer	-
I006	Red coating	Footballer	-
I007	White plastic	Football,footballer,bowling ball	-
I008	Clear laminated multicolor printed white paper with adhesive	Basketball backboard,desktop	-
I009	Black plastic	Box,washer	-
I010	Red plastic	Jetton	-
I011	Black foam	Ring	-
I012	Black PVC	Edge,Screwdriver handle	-
I013	Black soft plastic	Corner	-
I014	Brown prnted white polymer with off grey fiberboard	Snooker edge	-
I015	Translucent red plastic with adhesive	Tape of table tennis bats	-
I016	Black EVA	Table tennis bats	-
I017	Red EVA	Table tennis bats	-
I018	Orange PVC	Basketball	-
I019	Deep red plastic	Holder of net	-
I020	White non-woven fabric	Net edge	-
I021	White soft plastic	Elastic band	-
I022	Dull red plastic	Inflator,ice hockey bat	-
I023	Black soft plastic	Elastic band	-
I024	Yellow/white polyner	Billiards	-
I025	Blue polymer	Billiards	-
I026	Red polymer	Billiards	-
I027	Purple polymer	Billiards	-
I028	Orange polymer	Billiards	-
I029	Green polymer	Billiards	-
I030	Deep red polymer	Billiards	-
I031	Black polymer	Billiards	-
I032	Off white plastic	Cue head	-
I033	Brown polymer	Cue head	-
I034	Blue powder	Chalk	-
I037	Brown fiberboard	Desk	-
I038	Natural plywood	Table tennis bats	-



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Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I040	Green fabric	Desk	-
I041	White net fabric	Bag	-
I042	Grey plush	Holder of net	-
I043	Green net fabric	Net	-
I044	White fabric	Elastic band	-
I045	Green flocking/white paper with adhesive	Ice hockey bat	-
I046	Black fabric	Elastic band	-
I047	Black net fabric	Net	-
I048	Bright black fabric	Net	-
I049	Black hook and loop fastener	Velcro	-
I050	Red/blue/white fabric	Net	-
I051	Red plastic/silvery metal	Ball needle	-
I052	Silvery metal	Screw	-
I053	Silvery metal	Staple	-
I054	Silvery metal	Nut	-
I055	Silvery metal	Pin of inflator	-
I056	Silvery metal	Pole	-
I057	Silvery metal	Plum blossom nut	-
I058	Off blue plastic	Ring	-
I059	Off red plastic	Ring	-
I116	Green PVC	Desktop	-



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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 F963-23, "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.

USE AND ABUSE TESTS

The samples were undergo the tests in accordance with section 8.6 through 8.16, whichever is applicable

Test	Test Parameters	Standard Reference
Impact Test	4 x 3 ft	1500.53(b)
Torque Test	4 in-lbs	1500.53(e)
Tension Test	15 lbs	1500.53(f)
Compression Test	30 lbs	1500.53(g)
Tip Over	3times	1500.53(b)(4)(i)



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RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-23)

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials	N/A
4.5	Sound-producing Toys	N/A
4.6	Small Objects	N/A
4.7	Accessible Edges	M
4.8	Projections	M
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	N/A
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	N/A
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	M
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 4.25.9 Battery-powered ride-on toys & Section 4.25.10 Toys that Contain Secondary Cells or Secondary Batteries)	N/A
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	N/A
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

Remark:

- Stability and Over-load Requirements are not accredited by CNAS.



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RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-23)

Section	Requirement	Result
5.1.2	Tracking label	M
5.4 & 5.3	Aquatic Toys	N/A
5.5 & 5.3	Crib and Playpen Toys	N/A
5.6 & 5.3	Mobiles	N/A
5.7 & 5.3	Stroller and Carriage Toys	N/A
5.8 & 5.3	Toys Intended to be Assembled by an Adult	M
5.9 & 5.3	Simulated Protective Devices	N/A
5.10 & 5.3	Toys with Functional Sharp Edges or Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	M
5.12	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.14	Battery-Operated Toys (exclude 5.14.1 and 5.14.2)	N/A
5.14.1 & 5.3	Battery-Powered Ride-On Toys	N/A
5.14.2 & 5.3	Button or Coin Cell Batteries	N/A
5.15	Promotional Materials	M
5.16 & 5.3	Magnets	N/A
6.1	Definition and Description	M
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4 & 5.3	Toys Intended to be Assembled by an Adult	M
6.5	Battery-Operated Toys	N/A
6.6	Battery-Powered Ride-On Toys	N/A
6.7	Toys in Contact with Food	N/A
6.9	Toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	N/A
7.1	Producer's Name and Address	M
7.2	Battery-powered Ride-on Toys	N/A

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

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	Most rapid burn rate less than 0.1 of an inch per second.

Remark:

- ASTM F963-23 labeling requirements are not accredited by CNAS.



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RESULTS:

Phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.8.

Test Method : With reference to U. S. CPSC-CH-C1001-09.4 (January 17, 2018)

Parameter	Unit	Result					Limit
		I001 + I002 + I003	I004 + I005 + I006	I007 + I008 + I009	I010 + I011 + I013	I012 + I018	
BBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DEHP	%(w/w)	ND	ND	ND	ND	ND	0.1
DIBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DPENP	%(w/w)	ND	ND	ND	ND	ND	0.1
DINP	%(w/w)	ND	ND	ND	ND	ND	0.1
DHEXP	%(w/w)	ND	ND	ND	ND	ND	0.1
DCHP	%(w/w)	ND	ND	ND	ND	ND	0.1
Conclusion	-	PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result					Limit
		I014 + I015 + I016	I017 + I019 + I020	I021 + I022 + I023	I024 + I025 + I026	I027 + I028 + I029	
BBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DEHP	%(w/w)	ND	ND	ND	ND	ND	0.1
DIBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DPENP	%(w/w)	ND	ND	ND	ND	ND	0.1
DINP	%(w/w)	ND	ND	ND	ND	ND	0.1
DHEXP	%(w/w)	ND	ND	ND	ND	ND	0.1
DCHP	%(w/w)	ND	ND	ND	ND	ND	0.1
Conclusion	-	PASS	PASS	PASS	PASS	PASS	-



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RESULTS:

Parameter	Unit	Result			Limit
		I030 + I031 + I032	I033 + I058 + I059	I116	
BBP	%(w/w)	ND	ND	ND	0.1
DBP	%(w/w)	ND	ND	ND	0.1
DEHP	%(w/w)	ND	ND	ND	0.1
DIBP	%(w/w)	ND	ND	ND	0.1
DPENP	%(w/w)	ND	ND	ND	0.1
DINP	%(w/w)	ND	ND	ND	0.1
DHEXP	%(w/w)	ND	ND	ND	0.1
DCHP	%(w/w)	ND	ND	ND	0.1
Conclusion	-	PASS	PASS	PASS	-

Note / key:

DEHP = Di(2-ethylhexyl) phthalate

BBP = Butyl benzyl phthalate

DIBP = Di-iso-butyl phthalate

DPENP(DnPP) = Di-n-pentyl phthalate

ND = Not detected

10000 mg/kg = 1 %

Detection Limit (%) : Each 0.005

The items 024-026 were resubmitted by client dated on Jun 12, 2025.

DBP = Dibutyl phthalate

DHEXP(DnHP) = Di-n-hexyl phthalate

DINP = Di-iso-nonyl phthalate

DCHP = Dicyclohexyl phthalate

% = percent

mg/kg = milligram(s) per kilogram



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RESULTS:

Soluble Heavy Metals Content in Surface Coating –ASTM F963-23, Section 4.3.5.1(2)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.2 to 8.3.4

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit (mg/kg)	25	1000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60

Parameter	Unit	Result					Limit
		I001	I002	I003	I004	I005	
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	260	110	120	230	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result	Limit
		I006	
Arsenic (As)	mg/kg	ND	25
Barium (Ba)	mg/kg	290	1000
Cadmium (Cd)	mg/kg	ND	75
Chromium (Cr)	mg/kg	ND	60
Mercury (Hg)	mg/kg	ND	60
Lead (Pb)	mg/kg	ND	90
Antimony (Sb)	mg/kg	ND	60
Selenium (Se)	mg/kg	ND	500
Mass of trace amount (g)		-	-
Conclusion		PASS	-

Note / key:

ND = Not detected

% = percent

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

Remark:

- "#" Denotes as reported result(s) was (were) adjusted by analytical correction shown in limit table.



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RESULTS:

Soluble Heavy Metals Content in Substrate –ASTM F963-23, Section 4.3.5.2(2)(b)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3))

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
Analytical Correction (%)	60	30	30	30	50	30	60	60

Type I: Substrate other than modeling clay

Type II: Modeling clay

Parameter	Unit	Result					Limit
		I007	I008	I009	I010	I011	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result					Limit
		I012	I013	I014	I015	I016	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	9	25
Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-



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RESULTS:

Parameter	Unit	Result					Limit
		I017	I018	I019	I020	I021	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	ND	ND	ND	230	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result					Limit
		I022	I023	I024	I025	I026	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	300	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result					Limit
		I027	I028	I029	I030	I031	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-



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RESULTS:

Parameter	Unit	Result					Limit
		I032	I033	I034	I037	I038	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result					Limit
		I040	I041	I042	I043	I044	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	7	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result					Limit
		I045	I046	I047	I048	I049	
Type	-	I	I	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	130	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	7	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	-



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RESULTS:

Parameter	Unit	Result			Limit
		I050	I051	I116	
Type	-	I	I	I	-
Arsenic (As)	mg/kg	ND	ND	ND	25
Barium (Ba)	mg/kg	ND	ND	ND	1000
Cadmium (Cd)	mg/kg	ND	ND	ND	75
Chromium (Cr)	mg/kg	ND	ND	ND	60
Mercury (Hg)	mg/kg	ND	ND	ND	60
Lead (Pb)	mg/kg	ND	ND	ND	90
Antimony (Sb)	mg/kg	ND	ND	ND	60
Selenium (Se)	mg/kg	ND	ND	ND	500
Mass of trace amount (g)		-	-	-	-
Conclusion		PASS	PASS	PASS	-

Note / key:

ND = Not detected

% = percent

g = gram(s)

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

Detection Limit (mg/kg) :

For Type I – As : 2.5; Ba : 100; Cd : 7.5; Each (Cr, Hg, & Sb) : 6.0; Pb : 9.0; Se : 50

For Type II – Each (As, Cr & Hg) : 2.5; Ba : 25; Cd : 5.0; Sb : 6.0; Pb : 9.0; Se : 50

Remark:

- "#" Denotes as reported result(s) was (were) adjusted by analytical correction shown in limit table.

- Textiles (natural or synthetic) are exempted for lead content requirement according to clarification of Toy Industry Association for ASTM F963-23. The lead content analysis result of corresponding material herein is for client's reference only.



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RESULTS:

Total Lead Content in Surface Coating – ASTM International Standard ASTM F963-23, Section 4.3.5.1(1)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.1 and Annex A7.

Requirement	90 mg/kg
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Test Item(s)	Result	Unit	Conclusion
I001 + I002 + I003	ND	mg/kg	PASS
I004 + I005 + I006	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10

Total Lead Content in Substrate – ASTM International Standard ASTM F963-23, Section 4.3.5.2(2)(a)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.1 and Annex A7.

Requirement	100 mg/kg
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Test Item(s)	Result	Unit	Conclusion
I007 + I008 + I009	ND	mg/kg	PASS
I010 + I011 + I013	ND	mg/kg	PASS
I012 + I018	ND	mg/kg	PASS
I014 + I015 + I016	ND	mg/kg	PASS
I017 + I019 + I020	ND	mg/kg	PASS
I021 + I022 + I023	ND	mg/kg	PASS
I024 + I025 + I026	ND	mg/kg	PASS
I027 + I028 + I029	ND	mg/kg	PASS
I030 + I031 + I032	ND	mg/kg	PASS
I033 + I058 + I059	ND	mg/kg	PASS
I034	ND	mg/kg	PASS
I052	ND	mg/kg	PASS
I053	ND	mg/kg	PASS
I054	ND	mg/kg	PASS
I055	ND	mg/kg	PASS
I056	ND	mg/kg	PASS
I057	ND	mg/kg	PASS
I116	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10

The items 024-026 was/were resubmitted by client dated on Jun 12, 2025.



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RESULTS:

Phthalates Content in Children's Toys and Childcare Articles – Proposed Amendment rule Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108(a) and 108(b)(3) - BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP Content

Test Method : With reference to U.S.CPSC-CH-C1001-09.4 (January 17,2018)

Parameter	Unit	Result					Limit
		I001 + I002 + I003	I004 + I005 + I006	I007 + I008 + I009	I010 + I011 + I013	I012 + I018	
DEHP	%(w/w)	ND	ND	ND	ND	ND	0.1
DBP	%(w/w)	ND	ND	ND	ND	ND	0.1
BBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DHEXP	%(w/w)	ND	ND	ND	ND	ND	0.1
DIBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DINP	%(w/w)	0.016	ND	ND	ND	ND	0.1
DPENP	%(w/w)	ND	ND	ND	ND	ND	0.1
DCHP	%(w/w)	ND	ND	ND	ND	ND	0.1
Conclusion	-	PASS	PASS	PASS	PASS	PASS	-

Parameter	Unit	Result					Limit
		I014 + I015 + I016	I017 + I019 + I020	I021 + I022 + I023	I024 + I025 + I026	I027 + I028 + I029	
DEHP	%(w/w)	ND	ND	ND	ND	ND	0.1
DBP	%(w/w)	ND	ND	ND	ND	ND	0.1
BBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DHEXP	%(w/w)	ND	ND	ND	ND	ND	0.1
DIBP	%(w/w)	ND	ND	ND	ND	ND	0.1
DINP	%(w/w)	ND	ND	ND	ND	ND	0.1
DPENP	%(w/w)	ND	ND	ND	ND	ND	0.1
DCHP	%(w/w)	ND	ND	ND	ND	ND	0.1
Conclusion	-	PASS	PASS	PASS	PASS	PASS	-



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RESULTS:

Parameter	Unit	Result			Limit
		I030 + I031 + I032	I033 + I058 + I059	I116	
DEHP	%(w/w)	ND	ND	ND	0.1
DBP	%(w/w)	ND	ND	ND	0.1
BBP	%(w/w)	ND	ND	ND	0.1
DHEXP	%(w/w)	ND	ND	ND	0.1
DIBP	%(w/w)	ND	ND	ND	0.1
DINP	%(w/w)	ND	ND	ND	0.1
DPENP	%(w/w)	ND	ND	ND	0.1
DCHP	%(w/w)	ND	ND	ND	0.1
Conclusion	-	PASS	PASS	PASS	-

Note / key:

DEHP = Di(2-ethylhexyl) phthalate

BBP = Butyl benzyl phthalate

DIBP = Di-iso-butyl phthalate

DPENP(DnPP) = Di-n-pentyl phthalate

ND = Not detected

10000 mg/kg = 1 %

Detection Limit (%) : Each 0.005

The items 024-026 were resubmitted by client dated on Jun 12, 2025.

DBP = Dibutyl phthalate

DHEXP(DnHP) = Di-n-hexyl phthalate

DINP = Di-iso-nonyl phthalate

DCHP = Dicyclohexyl phthalate

% = percent

mg/kg = milligram(s) per kilogram



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RESULTS:

Total Lead Content in Surface Coating – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 101(f)

Test Method : U.S. CPSC-CH-E1003-09.1:2011

Requirement	90 mg/kg
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Test Item(s)	Result	Unit	Conclusion
I001 + I002 + I003	ND	mg/kg	PASS
I004 + I005 + I006	ND	mg/kg	PASS

Note / key:

ND = Not detected

Detection Limit (mg/kg) : 10

mg/kg = milligram(s) per kilogram



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RESULTS:

Total Lead Content in Substrate Materials – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 101(a)(2)

Test Method : U.S. CPSC-CH-E1002-08.3:2012 and U.S. CPSC-CH-E1001-08.3:2012

Requirement	100 mg/kg
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Test Item(s)	Result	Unit	Conclusion
I007 + I008 + I009	ND	mg/kg	PASS
I010 + I011 + I013	ND	mg/kg	PASS
I012 + I018	ND	mg/kg	PASS
I014 + I015 + I016	ND	mg/kg	PASS
I017 + I019 + I020	ND	mg/kg	PASS
I021 + I022 + I023	ND	mg/kg	PASS
I024 + I025 + I026	ND	mg/kg	PASS
I027 + I028 + I029	ND	mg/kg	PASS
I030 + I031 + I032	ND	mg/kg	PASS
I033 + I058 + I059	ND	mg/kg	PASS
I034	ND	mg/kg	PASS
I037 + I038	ND	mg/kg	PASS
I052	ND	mg/kg	PASS
I053	ND	mg/kg	PASS
I054	ND	mg/kg	PASS
I055	ND	mg/kg	PASS
I056	ND	mg/kg	PASS
I057	ND	mg/kg	PASS
I116	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10

The items 024-026 was/were resubmitted by client dated on Jun 12, 2025.

Remark:

This report is to Supersede BV(Dong guan) report No. (8825)135-0159 dated on Jul 9, 2025

RESULTS:



END OF REPORT