



CONSUMER PRODUCTS SERVICES DIVISION

## CHIZHOU JC CHILDREN PRODUCT CO., LTD.

**Technical Report: (6624)151-1025 (REVISED)**

June 13, 2024

Date Received: April 8, 2024

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This report is amendment of and supersedes the previous (6624)151-1025 dated June 03, 2024

CHIZHOU JC CHILDREN PRODUCT CO., LTD.  
MATANG INDUSTRY ZONE, DING QIAO TOWN,  
QINGYANG, CHIZHOU CITY, ANHUI PROVINCE, CHINA

Sample Description:	RIDE ON CAR	Sample Size:	3 CARTON
Vendor:	CHIZHOU JC CHILDREN PRODUCT CO., LTD.	Style No(s):	JC602
Manufacturer:	CHIZHOU JC CHILDREN PRODUCT CO., LTD.	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	37-95 MONTHS	Reference no:	N/A
Appropriate Age Grade:	NOT REQUESTED	Country of Origin:	CHINA
Client Specified Age Grade:	FROM 37 TO 95 MONTHS OF AGE	Assortment No.:	N/A
Tested Age Grade:	FROM 37 TO 95 MONTHS OF AGE	Country of Destination:	N/A
UPC Code:	N/A		
Color:	N/A		

### **EXECUTIVE SUMMARY:**

The sample(s) MEETS the following requirement(s):

- The mechanical hazards requirements of ASTM F963-23, "Standard consumer safety specification for toy safety".
- The labeling requirements of ASTM F963-23, "Standard consumer safety specification for toy safety" (exclude section 5.14.1 & 5.3 & 6.6 & 7.2).
- The tracking label requirement of the Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking Labels for Children's Products.
- The flammability requirement of solids under ASTM F963-23 section 4.2 according to Annex A5, "Flammability testing procedure for solids and soft toys".

The tested component(s) MEETS the following requirement(s):

- The total lead content of 90ppm requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.
- The total lead content of 100ppm requirements in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The total lead content requirements in children products according to the California Proposition 65 settlements of Alameda Superior Court RG 07356892.

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The tested component(s) MEETS the following requirement(s):

- The initial total heavy metals content analysis for soluble heavy metals content in surface coating requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).
- The soluble heavy metals content in substrate requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).
- The phthalates content in children's toys and child care articles (Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108(a) and 108(c), 16 CFR 1307) / ASTM F963-23 Sec.4.3.8.
- The BBP, DBP, DEHP, DnHP and DIDP content requirements in toys, child care articles and watches according to the California Proposition 65 settlements of County of Sacramento case number 07AS04683, and the Alameda Superior Court case numbers BG07350969, RG08367601, RG07351032 and RG08378050.

The tested component(s) was tested to the following requirement(s) and the data provided is for informational purposes only:

- The initial total heavy metals content analysis for soluble heavy metals content in substrate requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).

Note:

1. The sample is tested for "FROM 37 TO 95 MONTHS OF AGE" as the client's request.
2. Client specified the tested component(s).
3. As per client's request, updated the reference photo in the revised report.

#### **BVCPS (SHANGHAI) GENERAL CONTACT INFORMATION FOR THIS REPORT**

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**BUREAU VERITAS**  
**CONSUMER PRODUCTS SERVICE DIVISION (SHANGHAI)**  
**Laboratory Test location:**  
**No. 368, Guangzhong Road, Zhuanqiao Town, Minhang, Shanghai.**  
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LEON DENG  
PRODUCT LINE MANAGER (TOY DIVISION)



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#### 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 for 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 BVCPS 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
Tip Over	3 times	1500.53(b)(4)(i)
Torque	4 in-lbs	1500.53(e)
Tension	15 lbs	1500.53(f)



**PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-23)**

<b>Section</b>	<b>Requirement</b>	<b>Result</b>
4.1	Material Quality	M
4.3.7	Stuffing Materials	N/A
4.5	Sound-producing Toys	M
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	M
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	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 NR = Not Request R = Refer to Comment Section*



**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)	N/A
5.12	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.14	Battery-Operated Toys (exclude 5.15.1 and 5.15.2)	M
5.14.1 & 5.3	Battery-Powered Ride-On Toys	NR
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	M
6.6	Battery-Powered Ride-On Toys	NR
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	NR

*M = Meet NM = Not Meet N/A = Not Applicable NR = Not Request R = Refer to Comment Section*

**FLAMMABILITY (ASTM F963-23 section 4.2 according to Annex A5)**

Requirement	Test Method Reference	Findings
Burn rate no greater than 0.1 of an inch per second	ASTM F963-23 section 4.2 according to Annex A5	Ignited but Self-Extinguished.



### Tested Component(s) Breakdown List

Sample Identity	Color / Component	Location	Remark
1	Black coating on metal	Base	/
2	White coating on plastic	Switch	/
3	Silvery coating on plastic	Control panel	/
4	Red plastic	Big body	/
5	Black plastic	Car head	/
6	Transparent plastic	Lampshade	/
7	Black plastic	Exhaust pipe	/
8	Black plastic	Pedal	/
9	White plastic	Accelerator	/
10	White plastic	Throttle base	/
11	Black plastic	Steering wheel	/
12	Black plastic	Gear	/
13	Black plastic	Gear trim ring	/
14	Black plastic	Control textile	/
15	Transparent red plastic	Switch	/
16	Black plastic	Seat	/
17	Red plastic	Seat locking clasp	/
18	Black plastic	Buckle	/
19	Black plastic	D buckle	/
20	Red plastic	Bucket connector	/
21	Red plastic	Car bucket trunk latch	/
22	Red plastic	Car bucket	/
23	Red plastic	Bucket base	/
24	Black plastic	Wheels	/
25	Red plastic	Top wheel cover	/
26	White plastic	Buckle on axle	/
27	Black plastic	Remote control key	/
28	White plastic	Remote control body	/
29	Transparent brown plastic	Remote control light up	/
30	Black plastic	Transformer	/
31	Transparent plastic	Big transformer lights up	/
32	Transparent plastic	Small transformer lights up	/
33	White plastic	Wire buckle	/
34	Red plastic	Horn casing	/
35	Black plastic	Wheel bracket	/
36	Black soft plastic	Outer wheel	/



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37	Black soft plastic	Wire leather sheath	/
38	Yellow soft plastic	Wire skin	/
39	Blue soft plastic	Wire skin	/
40	Black soft plastic	The transformer plug	/
41	Black soft plastic	Transformer wire skin	/
42	Black soft plastic	Transformer sheath	/
43	Colorful plastic sticker	Big body	/
44	Black/ white plastic sticker	Control panel	/
45	Multicolor soft plastic sticker	Mark on the gear	/
46	Black webbing	Safety belt	/
47	Black thread	/	/
48	Silver metal	Shaft	Non-small parts
49	Silver metal	Nut	Non-small parts
50	Silver metal	Gasket	Non-small parts
51	Silver metal	Square tube	Non-small parts
52	Silver metal	Round rod	Non-small parts
53	Silver metal	Metal sheet	Non-small parts
54	Silver metal	L metal sheet	Non-small parts
55	Silver metal	Rivet	Non-small parts
56	Silver metal	Round head screw	Non-small parts
57	Silver metal	Screw on the remote control	Non-small parts

#### **TOTAL LEAD CONTENT IN SURFACE COATING**

**Method:** : CPSC-CH-E1003-09.1 (February 25, 2011).

Parameter	Unit	MDL	Result	Limit
			1	
Lead(Pb)	mg/kg	10	<10	90
<b>Conclusion</b>	-	-	PASS	-

mg/kg = milligrams per kilogram (ppm = parts per million)



**TOTAL LEAD CONTENT IN SUBSTRATE (100PPM) (CONSUMER PRODUCT SAFETY IMPROVEMENT ACT (CPSIA) OF 2008)**

**Method:** : CPSC-CH-E1001-08.3 (November 15, 2012) or CPSC-CH-E1002-08.3 (November 15, 2012).

Parameter	Unit	MDL	Result			Limit
			4 + 5 + 6	7 + 8 + 9	10 + 11 + 12	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			13 + 14 + 15	16 + 17 + 18	19 + 20 + 21	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			22 + 23 + 24	25 + 26 + 27	28 + 29 + 30	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			31 + 32 + 33	34 + 35	36	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			37 + 38 + 39	40 + 41 + 42	43	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			44	45	48	
Lead(Pb)	mg/kg	10	<10	<10	13.4	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			49	50	51	
Lead(Pb)	mg/kg	10	15.9	12.7	14.6	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			52	53	54	
Lead(Pb)	mg/kg	10	<10	<10	12.8	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-





Parameter	Unit	MDL	Result			Limit
			55	56	57	
Lead(Pb)	mg/kg	10	11.4	16.4	26.3	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

mg/kg = milligrams per kilogram (ppm = parts per million)

**TOTAL LEAD CONTENT IN CHILDREN PRODUCTS (California Proposition 65 settlements of Alameda Superior Court RG 07356892)**

**Method:** : Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Parameter	Unit	MDL	Result	Limit
			1	
Lead(Pb)	mg/kg	10	<10	90
<b>Conclusion</b>	-	-	PASS	-

Parameter	Unit	MDL	Result			Limit
			4 + 5 + 6	7 + 8 + 9	10 + 11 + 12	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			13 + 14 + 15	16 + 17 + 18	19 + 20 + 21	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			22 + 23 + 24	25 + 26 + 27	28 + 29 + 30	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			31 + 32 + 33	34 + 35	36	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			37 + 38 + 39	40 + 41 + 42	43	
Lead(Pb)	mg/kg	10	<10	<10	<10	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result	Limit
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			44	45	48	
Lead(Pb)	mg/kg	10	<10	<10	13.4	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			49	50	51	
Lead(Pb)	mg/kg	10	15.9	12.7	14.6	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			52	53	54	
Lead(Pb)	mg/kg	10	<10	<10	12.8	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			55	56	57	
Lead(Pb)	mg/kg	10	11.4	16.4	26.3	100
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

LT = Less Than  
mg/kg = milligrams per kilogram (ppm=parts per million)

\* = Average of duplicate analyses

**TOTAL HEAVY METALS CONTENT - INITIAL ANALYSIS FOR SOLUBLE HEAVY METALS CONTENT IN SURFACE COATING (ASTM F963-23, Section 4.3.5.1(2))**

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

Parameter	Unit	MDL	Result	Limit
			1	
Lead (Pb)	mg/kg	10	<10	90
Arsenic	mg/kg	5	<5	25
Barium (Ba)	mg/kg	10	26.7	1000
Cadmium	mg/kg	10	<10	75
Chromium	mg/kg	10	17.6	60
Mercury (Hg)	mg/kg	10	<10	60
Antimony	mg/kg	10	<10	60
Selenium	mg/kg	10	<10	500
<b>Conclusion</b>	-	-	PASS	-

mg/kg = milligrams per kilogram (ppm=parts per million)  
As = Arsenic, Ba = Barium, Cd = Cadmium,  
Sb = Antimony, Se = Selenium

LT = Less Than  
Cr = Chromium, Hg = Mercury, Pb = Lead,



**TOTAL HEAVY METALS CONTENT – INITIAL ANALYSIS FOR SOLUBLE HEAVY METALS CONTENT IN SUBSTRATE (ASTM F963-23, Section 4.3.5.2(2)(b))**

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

Parameter	Unit	MDL	Result			Limit
			4 + 5 + 6	7 + 8 + 9	10 + 11 + 12	
Lead(Pb)	mg/kg	10	<10	<10	<10	90
Antimony(Sb)	mg/kg	10	<10	<10	13.9	60
Selenium(Se)	mg/kg	10	<10	<10	<10	500
Arsenic(As)	mg/kg	5	<5	<5	<5	25
Barium(Ba)	mg/kg	10	11.4	12.8	27.2	1000
Cadmium(Cd)	mg/kg	10	<10	<10	<10	75
Chromium (Cr)	mg/kg	10	<10	<10	<10	60
Mercury (Hg)	mg/kg	10	<10	<10	<10	60
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			13 + 14 + 15	16 + 17 + 18	19 + 20 + 21	
Lead(Pb)	mg/kg	10	<10	<10	<10	90
Antimony(Sb)	mg/kg	10	58.6	<10	<10	60
Selenium(Se)	mg/kg	10	<10	<10	<10	500
Arsenic(As)	mg/kg	5	<5	<5	<5	25
Barium(Ba)	mg/kg	10	43.0	85.4	154	1000
Cadmium(Cd)	mg/kg	10	<10	<10	<10	75
Chromium (Cr)	mg/kg	10	74.8	<10	<10	60
Mercury (Hg)	mg/kg	10	<10	<10	<10	60
<b>Conclusion</b>	-	-	DATA	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			22 + 23 + 24	25 + 26 + 27	28 + 29 + 30	
Lead(Pb)	mg/kg	10	<10	<10	<10	90
Antimony(Sb)	mg/kg	10	29.2	<10	<10	60
Selenium(Se)	mg/kg	10	<10	<10	<10	500
Arsenic(As)	mg/kg	5	<5	<5	<5	25
Barium(Ba)	mg/kg	10	191	<10	<10	1000
Cadmium(Cd)	mg/kg	10	<10	<10	<10	75
Chromium (Cr)	mg/kg	10	<10	<10	<10	60
Mercury (Hg)	mg/kg	10	<10	<10	<10	60
<b>Conclusion</b>	-	-	DATA	PASS	PASS	-



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Parameter	Unit	MDL	Result			Limit
			31 + 32 + 33	34 + 35	36	
Lead(Pb)	mg/kg	10	<10	<10	<10	90
Antimony(Sb)	mg/kg	10	<10	<10	<10	60
Selenium(Se)	mg/kg	10	<10	<10	<10	500
Arsenic(As)	mg/kg	5	<5	<5	<5	25
Barium(Ba)	mg/kg	10	13.6	<10	<10	1000
Cadmium(Cd)	mg/kg	10	<10	<10	<10	75
Chromium (Cr)	mg/kg	10	<10	<10	<10	60
Mercury (Hg)	mg/kg	10	<10	<10	<10	60
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			37 + 38 + 39	40 + 41 + 42	43	
Lead(Pb)	mg/kg	10	<10	<10	<10	90
Antimony(Sb)	mg/kg	10	452	<10	<10	60
Selenium(Se)	mg/kg	10	<10	<10	<10	500
Arsenic(As)	mg/kg	5	<5	<5	<5	25
Barium(Ba)	mg/kg	10	<10	<10	166	1000
Cadmium(Cd)	mg/kg	10	<10	<10	<10	75
Chromium (Cr)	mg/kg	10	<10	<10	<10	60
Mercury (Hg)	mg/kg	10	<10	<10	<10	60
<b>Conclusion</b>	-	-	DATA	PASS	PASS	-

Parameter	Unit	MDL	Result		Limit
			44	45	
Lead(Pb)	mg/kg	10	<10	<10	90
Antimony(Sb)	mg/kg	10	<10	<10	60
Selenium(Se)	mg/kg	10	<10	<10	500
Arsenic(As)	mg/kg	5	<5	<5	25
Barium(Ba)	mg/kg	10	<10	<10	1000
Cadmium(Cd)	mg/kg	10	<10	<10	75
Chromium (Cr)	mg/kg	10	<10	<10	60
Mercury (Hg)	mg/kg	10	<10	<10	60
<b>Conclusion</b>	-	-	PASS	PASS	-

mg/kg = milligrams per kilogram (ppm=parts per million)  
 ND = None Detected  
 Cr = Chromium, Hg = Mercury, Pb = Lead,

LT = Less Than  
 As = Arsenic, Ba = Barium, Cd = Cadmium,  
 Sb = Antimony, Se = Selenium



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

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

Parameter	Unit	MDL	Result			Limit
			13	14	15	
Arsenic (As)	mg/kg	2.5	<2.5	<2.5	<2.5	25
Barium (Ba)	mg/kg	5	<5	<5	<5	1000
Cadmium (Cd)	mg/kg	5	<5	<5	<5	75
Chromium (Cr)	mg/kg	5	<5	<5	<5	60
Mercury (Hg)	mg/kg	5	<5	<5	<5	60
Lead (Pb)	mg/kg	5	<5	<5	<5	90
Antimony (Sb)	mg/kg	5	<5	<5	<5	60
Selenium (Se)	mg/kg	5	<5	<5	<5	500
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			22	23	24	
Arsenic (As)	mg/kg	2.5	<2.5	<2.5	<2.5	25
Barium (Ba)	mg/kg	5	<5	<5	<5	1000
Cadmium (Cd)	mg/kg	5	<5	<5	<5	75
Chromium (Cr)	mg/kg	5	<5	<5	<5	60
Mercury (Hg)	mg/kg	5	<5	<5	<5	60
Lead (Pb)	mg/kg	5	<5	<5	<5	90
Antimony (Sb)	mg/kg	5	<5	<5	<5	60
Selenium (Se)	mg/kg	5	<5	<5	<5	500
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-

Parameter	Unit	MDL	Result			Limit
			37	38	39	
Arsenic (As)	mg/kg	2.5	<2.5	<2.5	<2.5	25
Barium (Ba)	mg/kg	5	<5	<5	<5	1000
Cadmium (Cd)	mg/kg	5	<5	<5	<5	75
Chromium (Cr)	mg/kg	5	<5	<5	<5	60
Mercury (Hg)	mg/kg	5	<5	<5	<5	60
Lead (Pb)	mg/kg	5	<5	<5	<5	90
Antimony (Sb)	mg/kg	5	<5	<5	<5	60
Selenium (Se)	mg/kg	5	<5	<5	<5	500
<b>Conclusion</b>	-	-	PASS	PASS	PASS	-



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Parameter	Unit	MDL	Result		Limit
			46	47	
Arsenic (As)	mg/kg	2.5	<2.5	<2.5	25
Barium (Ba)	mg/kg	5	<5	<5	1000
Cadmium (Cd)	mg/kg	5	<5	<5	75
Chromium (Cr)	mg/kg	5	<5	<5	60
Mercury (Hg)	mg/kg	5	<5	<5	60
Lead (Pb)	mg/kg	5	<5	<5	90
Antimony (Sb)	mg/kg	5	<5	<5	60
Selenium (Se)	mg/kg	5	<5	<5	500
<b>Conclusion</b>	-	-	PASS	PASS	-

LT = Less Than

mg/kg = milligrams per kilogram (ppm=parts per million)

Cr = Chromium, Hg = Mercury, Pb = Lead,

CR = adjusted analytical result

\* = Average of duplicate analysis

Ba = Barium, Cd = Cadmium,

Sb = Antimony, Se = Selenium

As = Arsenic,



**Phthalates Content in Children's Toys and Child Care Articles - United States Code of Federal Regulations (CFR), Title 16, Part 1307/ ASTM F963-23 Sec.4.3.8**

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

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				1	2 + 3	4 + 5 + 6	
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
DINP	28553-12-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIBP	84-69-5	%	0.005	<0.005	<0.005	<0.005	0.1
DCHP	84-61-7	%	0.005	<0.005	<0.005	<0.005	0.1
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DnPP	131-18-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 / 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DNOP	117-84-0	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				7 + 8 + 9	10 + 11 + 12	13 + 14 + 15	
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
DINP	28553-12-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIBP	84-69-5	%	0.005	<0.005	<0.005	<0.005	0.1
DCHP	84-61-7	%	0.005	<0.005	<0.005	<0.005	0.1
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DnPP	131-18-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 / 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DNOP	117-84-0	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-



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Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				16 + 17 + 18	19 + 20 + 21	22 + 23 + 24	
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
DINP	28553-12-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIBP	84-69-5	%	0.005	<0.005	<0.005	<0.005	0.1
DCHP	84-61-7	%	0.005	<0.005	<0.005	<0.005	0.1
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DnPP	131-18-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 / 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DNOP	117-84-0	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				25 + 26 + 27	28 + 29 + 30	31 + 32 + 33	
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
DINP	28553-12-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIBP	84-69-5	%	0.005	<0.005	<0.005	<0.005	0.1
DCHP	84-61-7	%	0.005	<0.005	<0.005	<0.005	0.1
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DnPP	131-18-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 / 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DNOP	117-84-0	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				34 + 35	36	37 + 38 + 39	
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
DINP	28553-12-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIBP	84-69-5	%	0.005	<0.005	<0.005	<0.005	0.1
DCHP	84-61-7	%	0.005	<0.005	<0.005	<0.005	0.1
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DnPP	131-18-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 / 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DNOP	117-84-0	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-





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Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				40 + 41 + 42	43	44	
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
DINP	28553-12-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIBP	84-69-5	%	0.005	<0.005	<0.005	<0.005	0.1
DCHP	84-61-7	%	0.005	<0.005	<0.005	<0.005	0.1
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DnPP	131-18-0	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 / 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DNOP	117-84-0	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result	Limit
				45	
BBP	85-68-7	%	0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	0.1
DINP	28553-12-0	%	0.005	<0.005	0.1
DIBP	84-69-5	%	0.005	<0.005	0.1
DCHP	84-61-7	%	0.005	<0.005	0.1
DnHP	84-75-3	%	0.005	<0.005	0.1
DnPP	131-18-0	%	0.005	<0.005	0.1
DIDP	26761-40-0 / 68515-49-1	%	0.005	<0.005	0.1
DNOP	117-84-0	%	0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	-



**BBP/DBP/DEHP/DnHP/DIDP PHTHALATES CONTENT REQUIREMENTS IN TOYS, CHILD CARE ARTICLES AND WATCHES (California Proposition 65 settlements of County of Sacramento case number 07AS04683, and the Alameda Superior Court case numbers BG07350969, RG08367601, RG07351032 and RG08378050)**

**Method:** : Sacramento Superior Court 07AS04683 / Alameda Superior Court BG07350969 / RG08367601 / RG07351032 / RG08378050 / Solvent extraction with GC-MS/HPLC-MS analysis / CPSD-AN-00108-MTHD

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				1	2 + 3	4 + 5 + 6	
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 & 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				7 + 8 + 9	10 + 11 + 12	13 + 14 + 15	
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 & 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				16 + 17 + 18	19 + 20 + 21	22 + 23 + 24	
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 & 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-



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Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				25 + 26 + 27	28 + 29 + 30	31 + 32 + 33	
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 & 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				34 + 35	36	37 + 38 + 39	
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 & 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result			Limit
				40 + 41 + 42	43	44	
DnHP	84-75-3	%	0.005	<0.005	<0.005	<0.005	0.1
DIDP	26761-40-0 & 68515-49-1	%	0.005	<0.005	<0.005	<0.005	0.1
DBP	84-74-2	%	0.005	<0.005	<0.005	<0.005	0.1
BBP	85-68-7	%	0.005	<0.005	<0.005	<0.005	0.1
DEHP	117-81-7	%	0.005	<0.005	<0.005	<0.005	0.1
<b>Conclusion</b>	-	-	-	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Detection Limit	Result		Limit
				45		
DnHP	84-75-3	%	0.005	<0.005		0.1
DIDP	26761-40-0 & 68515-49-1	%	0.005	<0.005		0.1
DBP	84-74-2	%	0.005	<0.005		0.1
BBP	85-68-7	%	0.005	<0.005		0.1
DEHP	117-81-7	%	0.005	<0.005		0.1
<b>Conclusion</b>	-	-	-	PASS		-



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The following photos provided by client are only for reference, no any test are conducted.





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