

TEST REPORT

Report No.: HA0123NB052155CHO

Date: May 29, 2023

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Applicant : Zhejiang Jinbaolai Children's Products Co. LTD
Address : 118 Jinsheng Road, Xincang Town, Pinghu City, Zhejiang Province, China
Manufacturer : Zhejiang Jinbaolai Children's Products Co. LTD
Address : 118 Jinsheng Road, Xincang Town, Pinghu City, Zhejiang Province, China

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : kids motorcycle
Model No. : SMG4072-Red,SMG4072-Blue,SMG4072-White
Age : 3-8 years
Date of Sample Received : May 22, 2023
Sample Testing Date : May 22, 2023 to May 29, 2023

***** For Further Details, Please Refer to the Following Page(s) *****

Compiled by:



Fiona Zhang / Project Engineer



Milse Xie / Laboratory Supervisor

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Test Requested	<p>As specified by client, Determination of the Lead (Pb) content in the submitted samples in accordance with the Consumer Product Safety Improvement Act of 2008(CPSIA).</p> <p>As specified by client, Determination of the Phthalates content in the submitted samples in accordance with the Consumer Product Safety Improvement Act of 2008(CPSIA) and 16 CFR 1307.</p> <p>As specified by client, Determination of the Mechanical and Physical Properties in the submitted samples in accordance with ASTM F963-17 Standard Consumer Safety Specification for Toy Safety.</p> <p>As specified by client, Determination of the Flammability in the submitted samples in accordance with ASTM F963-17 Standard Consumer Safety Specification for Toy Safety.</p> <p>As specified by client, Determination of the Heavy Elements in the submitted samples in accordance with ASTM F963-17 Standard Consumer Safety Specification for Toy Safety.</p>
Test Method	Please refer to next pages.
Test Result	Please refer to next pages.
Test Conclusion	Pass

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Test Results:

1. Lead (Pb)

Method: With reference to CPSC-CH-E1001-08.3, analysis was performed by ICP-OES.

Test Items	Unit	Results						MDL	Limit
		No.1	No.2	No.3	No.4	No.5	No.6		
Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2	100
Conclusion	---	Pass	Pass	Pass	Pass	Pass	Pass	---	---

Test Items	Unit	Results			MDL	Limit
		No.7	No.8	No.9		
Lead (Pb)	mg/kg	N.D.	N.D.	N.D.	2	100
Conclusion	---	Pass	Pass	Pass	---	---

Note:

- (1) mg/kg=ppm=0.0001%
- (2) N.D. =Not Detected (<MDL)
- (3) MDL=Method Detection Limit

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2. Phthalates**Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by Gas Chromatography / Mass Spectrometry.**

Test Items	CAS No.	Unit	Results				MDL	Limit
			No.1	No.2	No.3	No.4		
Dibutyl phthalate(DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Benzyl butyl phthalate(BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-2-ethylhexyl-phthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-isononyl phthalate(DINP)	28553-12-0 /68515-48-0	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-n-octyl phthalate(DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-isodecyl phthalate(DIDP)	26761-40-0, 68515-49-1	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Conclusion	---	---	Pass	Pass	Pass	Pass	---	---

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Test Items	CAS No.	Unit	Results				MDL	Limit
			No.5	No.6	No.7	No.8		
Dibutyl phthalate(DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Benzyl butyl phthalate(BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-2-ethylhexyl-phthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-isononyl phthalate(DINP)	28553-12-0 /68515-48-0	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-n-octyl phthalate(DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-isodecyl phthalate(DIDP)	26761-40-0, 68515-49-1	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	%	N.D.	N.D.	N.D.	N.D.	0.003	0.1
Conclusion	---	---	Pass	Pass	Pass	Pass	---	---

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3. Mechanical and Physical Properties

Method: With reference to ASTM F963-17, Section 4,5,6,7 and 8.

Section	Description	Results
4	Safety requirements	
4.1	Material Quality	Pass
4.2	Flammability	Pass See Flammability Test Result
4.3	Toxicology	Pass
4.3.5	Heavy Elements	Pass See Heavy Elements Test Result
4.6	Small Objects	Pass
4.7	Accessible Edges	Pass
4.8	Projections	Pass
4.9	Accessible Points	Pass
4.10	Wires or Rods	Pass
4.11	Nails and Fasteners	Pass
4.15	Stability and Over-Load Requirements	Pass
4.17	Wheels, Tires, and Axles	Pass
4.18	Holes, Clearance, and Accessibility of Mechanisms	Pass
4.25	Battery-Operated Toys	Pass
4.28	Stroller and Carriage Toys	Pass
4.39	Jaw Entrapment in Handles and Steering Wheels	Pass
5	Labeling Requirements	Pass
8	Test Methods	
8.5	Normal Use Testing	Pass
8.7.1	Drop test	Pass 4 drops at 3.0 ft. (91cm)
8.10	Compression test	Pass 30 lbf (133.5 N)
8.11	Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal	Pass
8.15	Test for Stability of Ride-On Toys or Toy Seats	Pass
8.17	Stalled Motor Test for Battery-Operated Toys	Pass
8.18	Tests for Battery-Powered Ride-On Toys	Pass
8.21	Dynamic Strength Test for Wheeled Ride-On Toys	Pass
8.28	Test for Overload of Ride-On Toys and Toy Seats	Pass

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4. Flammability

Method: With reference to ASTM F963-17, Section 4.2.

Method used: Federal Hazardous Substances Act (FHSA) 16 CFR 1500.44.

Requirement: The burn rate shall not exceed 0.1 in. per second.

Result: The sample Pass.

5. Heavy Elements

Method: With reference to ASTM F963-17, Section 4.3.5. Analysis was performed by ICP-OES.

Test Item	Unit	MDL	Limit	Results					
				No.1	No.2	No.3	No.4	No.5	No.6
Soluble Cadmium(Cd)	mg/kg	2	75	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Lead(Pb)	mg/kg	2	90	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium(Cr)	mg/kg	2	60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Mercury(Hg)	mg/kg	2	60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony(Sb)	mg/kg	2	60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium(Ba)	mg/kg	2	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic(As)	mg/kg	2	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium(Se)	mg/kg	2	500	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Conclusion	---	---	---	Pass	Pass	Pass	Pass	Pass	Pass

Test Item	Unit	MDL	Limit	Results		
				No.7	No.8	No.9
Soluble Cadmium(Cd)	mg/kg	2	75	N.D.	N.D.	N.D.
Soluble Lead(Pb)	mg/kg	2	90	N.D.	N.D.	N.D.
Soluble Chromium(Cr)	mg/kg	2	60	N.D.	N.D.	N.D.
Soluble Mercury(Hg)	mg/kg	2	60	N.D.	N.D.	N.D.
Soluble Antimony(Sb)	mg/kg	2	60	N.D.	N.D.	N.D.
Soluble Barium(Ba)	mg/kg	2	1000	N.D.	N.D.	N.D.
Soluble Arsenic(As)	mg/kg	2	25	N.D.	N.D.	N.D.
Soluble Selenium(Se)	mg/kg	2	500	N.D.	N.D.	N.D.
Conclusion	---	---	---	Pass	Pass	Pass

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Parts description:

- No.1: Black Plastic Shell
- No.2: Black Plastic
- No.3: Red and Black Sticker
- No.4: Tyre
- No.5: White Leather
- No.6: Black Leather
- No.7: Textile
- No.8: Black Plastic Jacket
- No.9: Silvery Metal

Sample Photo:



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===== End of Test Report =====

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