

Test Report

Report No.: SFT24032554349-01E

Date: April 7, 2024

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Applicant: SHANTOU YUANDA TOY INDUSTRY CO. LTD
Address: CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

Sample Name: BABY CARRIAGES
Item No.: YD1001, YD1002, YD1003, YD1004, YD1005, YD1006, YD1007, YD2001, YD2002, YD6001, YD6002, YD3001, YD3002, YD3003, YD3005, YD3006, YD3007, YD3008, YD3009, YD5001, YD5002, YD5003, YD5004, YD5005, YD5006, YD5007, YD5008, YD5009, YD2003, YD2004, YD2005, YD2006, YD2007, YD2008, YD1004+3

Labeled Age Grading: 18M+
Requested Age Grading: 18M+
Age group applied in testing: Over 18 months

The above sample(s) and information were provided by the client.

Sample Receiving Date: March 25, 2024
Testing Period: From March 25, 2024 to April 3, 2024
Test Requested: Select test(s) as requested by the client.
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).

Signed for and on Behalf of SFT



Tom Yin / Technical Manager
Guangdong Safety Testing Co., Ltd.

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SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
Physical and Mechanical Properties – Standard Consumer Safety Specification on Toy Safety ASTM F963-23	PASS
Flammability – Standard Consumer Safety Specification on Toy Safety ASTM F963-23	PASS
As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.1(1) to determine Total Lead Content in Surface Coating of the selected parts in the submitted sample(s).	PASS
As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.2(a) to determine Total Lead Content in Substrate of the selected parts in the submitted sample(s).	PASS
As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.1(2) to determine Soluble Heavy Metals Content in Surface Coating of the selected parts in the submitted sample(s).	PASS
As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.2(b) to determine Soluble Heavy Metals Content in Substrate of the selected parts in the submitted sample(s).	PASS
As specified by client, with reference to Toys (including pacifiers, rattles, and teethingers) for children 12 years of age and younger - Standard Consumer Safety Specification for Toy Safety ASTM F963-23, Section 4.3.8 to determine Phthalates Content of the selected parts in the submitted sample(s).	PASS

Test Result(s): Please refer to next page(s).

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Test Result(s):

Physical and Mechanical Properties – ASTM F963-23

Test method: ASTM F963-23

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	PASS
4.3.7	Stuffing Materials	NA
4.5	Sound-producing toys	NA
4.6	Small objects	PASS
4.6.1	Toys that are intended for children under 36 months of age	PASS
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games that are intended for use by children who are at least three years old but less than six years of age	NA
4.7	Accessible edges	PASS
4.8	Projections	PASS
4.9	Accessible points	PASS
4.10	Wires or rods	NA
4.11	Nails and fasteners	PASS
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	PASS
4.14	Cords, straps and elastics	NA
4.15	Stability and over-load requirements	PASS
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles	PASS
4.18	Holes, clearance, and accessibility of mechanisms	PASS
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teether and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA

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4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo Elastic Tether Toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labeling requirements	
5.1	Federal government requirements	PASS
5.2	Age grading labeling	PASS
5.3	Safety labeling requirements	PASS
5.4	Aquatic toys	NA
5.5	Crib and playpen toys	NA
5.6	Mobiles	NA
5.7	Stroller and carriage toys	NA
5.8	Toys intended to be assembled by an adult	PASS
5.9	Simulated protective devices	NA
5.10	Toys with functional sharp edges or points	NA
5.11	Small objects, small balls , marbles, and balloons	NA
5.12	Art materials	NA
5.13	Electric toys	NA
5.14	Battery-operated toys	NA
5.15	Promotional materials	NA
5.16	Magnets	NA
6	Instructional literature	
6.1	Definition and description	PASS

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6.2	Crib and playpen toys	NA
6.3	Mobiles	NA
6.4	Toys intended to be assembled by an adult	PASS
6.5	Battery-operated toys	NA
6.6	Battery powered ride-on toys	NA
6.7	Toys in contact with food	NA
6.8	Toys chests	NA
6.9	Toys require a manufacturer-supplied specialty or custom tool to access the batter(ies)	NA
7	Producer's markings	
7.1	Producer's markings	PASS
7.2	Battery-powered ride-on toys	NA
7.3	Toys chests	NA

Note / Key : NA = Not Applicable.
 NC= Not Conducted as per client's request.

Clause	Testing Items	Assessment
8.5	Normal use testing	PASS
8.5.1	Washable test	NA
8.6	Abuse Testing	PASS
8.7	Impact test	PASS
8.8	Torque test	PASS
8.9	Tension test	PASS
8.10	Compression test	PASS
8.12	Flexure test	NA
8.16	Tension test for pompoms	NA

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Flammability - Standard Consumer Safety Specification on Toy Safety ASTM F963-23Test method: ASTM F963-23 A5

As per section 4.2 of the standard consumer safety specification on toy safety ASTM F963-23

Sample	Burn rate (inch/sec.)	Limit (inch/sec.)
BABY CARRIAGES	DNI	0.10

Note / Key : 1. DNI = Did not ignite.
2. IBE = Ignited but self-extinguished before burn-rate could be determined.
3. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.

As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.1(1) to determine Total Lead Content in Surface Coating of the selected parts in the submitted sample(s).Test method: U.S. CPSC-CH-E1003-09.1

Limit :	90mg/kg	
Test Component(s)	Result (mg/kg)	Conclusion
6	ND	PASS

Note / Key : ND= Not detected(<MDL)
MDL=Method Detection Limit (mg/kg) : 10
mg/kg = milligram per kilogram = ppm = part per million
Remark: Tested part(s) were specified by client.

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As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.2(2)(a) to determine Total Lead Content in Substrate of the selected parts in the submitted sample(s).

Test method: U.S. CPSC-CH-E1001-08.3 / U.S. CPSC-CH-E1002-08.3

Limit :	100 mg/kg	
Test Component(s)	Result (mg/kg)	Conclusion
1+2	ND	PASS
3+4	ND	PASS
5	ND	PASS

Note / Key : ND= Not detected(<MDL)
MDL=Method Detection Limit (mg/kg) : 10
mg/kg = milligram per kilogram = ppm = part per million
Remark: Tested part(s) were specified by client.
Composite testing(s) was/were specified by client

As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.1(2) to determine Soluble Heavy Metals Content in Surface Coating of the selected parts in the submitted sample(s).

Test method: ASTM F963-23, Sections 8.3.2 to 8.3.4.

Soluble Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Limit (mg/kg)	25	1 000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60
Test Item	Result(mg/kg)				Test Component(s)			
	6	-	-	-	-	-	-	-
Soluble Arsenic (As)	ND	-	-	-	-	-	-	-
Soluble Barium (Ba)	ND	-	-	-	-	-	-	-
Soluble Cadmium (Cd)	ND	-	-	-	-	-	-	-
Soluble Chromium (Cr)	ND	-	-	-	-	-	-	-
Soluble Mercury (Hg)	ND	-	-	-	-	-	-	-
Soluble Lead (Pb)	ND	-	-	-	-	-	-	-
Soluble Antimony (Sb)	ND	-	-	-	-	-	-	-
Soluble Selenium (Se)	ND	-	-	-	-	-	-	-
Conclusion	PASS	-	-	-	-	-	-	-

Note / Key : ND= Not detected(<MDL)
MDL=Method Detection Limit (mg/kg) : As : 2.5; Other Each: 5.0;
mg/kg = milligram per kilogram = ppm = part per million
Remark: Tested part(s) were specified by client.

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As specified by client, with reference to Standard Consumer Safety Specification on Toy Safety ASTM F963-23, Section 4.3.5.2(2)(b) to determine Soluble Heavy Metals Content in Substrate of the selected parts in the submitted sample(s).

Test method: ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3)).

Soluble Element(s)	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Limit (mg/kg)	25	1 000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60
Test Item	Result(mg/kg)							
	Test Component(s)							
	1	2	3	4				
Soluble Arsenic (As)	ND	ND	ND	ND				
Soluble Barium (Ba)	ND	ND	ND	ND				
Soluble Cadmium (Cd)	ND	ND	ND	ND				
Soluble Chromium (Cr)	ND	ND	ND	ND				
Soluble Mercury (Hg)	ND	ND	ND	ND				
Soluble Lead (Pb)	ND	ND	ND	ND				
Soluble Antimony (Sb)	ND	ND	ND	ND				
Soluble Selenium (Se)	ND	ND	ND	ND				
Conclusion	PASS	PASS	PASS	PASS				

Test Item	Result(mg/kg)			
	Test Component(s)			
	5	-	-	-
Soluble Arsenic (As)	ND	-	-	-
Soluble Barium (Ba)	6	-	-	-
Soluble Cadmium (Cd)	ND	-	-	-
Soluble Chromium (Cr)	ND	-	-	-
Soluble Mercury (Hg)	ND	-	-	-
Soluble Lead (Pb)	ND	-	-	-
Soluble Antimony (Sb)	ND	-	-	-
Soluble Selenium (Se)	ND	-	-	-
Conclusion	PASS	-	-	-

Note / Key : ND= Not detected(<MDL)
MDL=Method Detection Limit (mg/kg) : As : 2.5; Other Each: 5.0;
mg/kg = milligram per kilogram = ppm = part per million

Remark: Tested part(s) was/were specified by client

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As specified by client, with reference to Toys (including pacifiers, rattles, and teethingers) for children 12 years of age and younger - Standard Consumer Safety Specification for Toy Safety ASTM F963-23, Section 4.3.8 to determine Phthalates Content of the selected parts in the submitted sample(s)

Test method: U. S. CPSC-CH-C1001-09.4, Analyzed by Gas Chromatography-Mass Spectrometer.

Test Item	Limit (%)	Result (%)			
		Test Component(s)			
		1+2+3	-	-	-
Benzylbutyl phthalate (BBP)	0.1	ND	-	-	-
Dibutyl phthalate (DBP)	0.1	ND	-	-	-
Di-(2-ethylhexyl) phthalate (DEHP)	0.1	ND	-	-	-
Di-isononyl phthalate (DINP)	0.1	ND	-	-	-
Diisobutyl phthalate (DIBP)	0.1	ND	-	-	-
Dipentyl phthalate(DPENP)	0.1	ND	-	-	-
Dihexyl phthalate (DHEXP)	0.1	ND	-	-	-
Dicyclohexyl phthalate (DCHP)	0.1	ND	-	-	-
Conclusion	-	PASS	-	-	-

Note / Key : ND= Not detected(<MDL)
MDL=Method Detection Limit: 0.005%
mg/kg = milligram per kilogram = ppm = part per million
10 000 mg/kg = 1 %

Remark: Tested part(s) were specified by client.
Composite testing(s) was/were specified by client

Test Component	Sample Description/ Location
1	Black plastic(backrest)
2	Yellow plastic(body)
3	Orange plastic(horn button)
4	White plastic(tub)
5	Clear laminated multicolor printed white paper(sticker)
6	Silvery plating(surface of Boom telescopic)

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Photo of Sample



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