

Test Report

Number: SHAH01668974S2

Applicant: NINGBO ELITE CYCLE CO.LTD.
NO.36 PUYAN ROAD, XIAPU INDUSTRIAL PARK,
BEILUN DISTRICT,NINGBO,CHINA
Attn: FENG BIN

Date: 01 Jul, 2024

THIS IS TO SUPERSEDE REPORT NO.
SHAH01668974S1 DATED 13 May, 2024

Sample Description:

One (1) set of submitted sample said to be :
Item Name : **baby tricycle.**
Item No. : **JY-T04.**
Quantity : 1 Set.
Labelled Age Group : Not Specified.
Packaging Provided By Applicant : No.
Country Of Origin : China.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	U.S. ASTM F963-23 Physical and Mechanical Tests. Excluding Requirement of Section 5,6 and 7	Pass (See Remark)
	U.S. ASTM F963-23 Flammability Test of Materials other than Textile Materials	Pass (See Remark)
Tested Components of Submitted Sample	U.S. ASTM F963-23 for soluble elements content	Pass (See Comment*1)
	U.S. ASTM F963-23 for total Lead content in surface coating	Pass (See Comment*1)
	U.S. ASTM F963-23 for total Lead content in non-surface coating materials	Pass (See Comment*1)
	ASTM F963-23 section 4.3.8 on Phthalates content	Pass (See Comment*2)
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Pass
	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass (See Comment*2)

Remark: The submitted sample was not considered to be a toy and was not subjected to the testing scope of ASTM F963-23. However as requested by the applicant, the sample was tested respect to the requirements as stated in this standard.

Comment*1: The testing scope of the following standard (ASTM F963-23) was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

Comment*2: The testing scope of the standard was not applicable to the submitted samples. However, the test results of submitted sample(s) did not exceed the limits of the standard.

To be continued

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager



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Tests Conducted

1 Physical and Mechanical Tests

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Applicant's specified age group for testing: For ages from 18 to 60 months

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:		
<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact test	Section 1500.53(b)	4 x 3.0 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf
The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.		

Section	Requirement	Result
4.1	Material Quality (Visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (Small objects)	P
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for children at least 36 months but less than 72 months (Small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	P
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	P
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	P
4.18	Holes, clearance, and accessibility of mechanisms	P
4.19	Simulated protective devices (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA



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Section	Requirement	Result
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
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	Yoyo 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	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	
7.1	Name of producer/distributor	Yes
	Address	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Abbreviation: P = Pass NA= Not Applicable

Date Sample Received: 20 Mar, 2024 & 27 Jun.2024

Testing Period: 20 Mar, 2024 To 27 Jun.2024

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Tests Conducted

2 Flammability Test

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 22 Mar, 2024

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Tests Conducted

3 Soluble Elements Analysis (ASTM F963-23)

As per section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-23, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (mg/kg)						Reporting Limit	Limit
	(1)	(2)to(8)	(9)	(10)to(15)	(17)	(18)	(mg/kg)	(mg/kg)
Sol. Barium (Ba)	110.6#	ND	9.1#	ND	ND	ND	5	1000
Sol. Lead (Pb)	9.8#	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	2.5	25

Remark: mg/kg = milligram per kilogram =ppm

Sol. = Soluble

ND= Not detected (Less than reporting limit)

= The analytical results were adjusted by subtracting analytical correction factor.

Tested components: See component list in the last section of this report.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 11 May, 2024

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Tests Conducted

4 Total Lead (Pb) Content for Surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm	Reproting Limit	Limit
	(1)	(ppm)	(ppm)
Lead(Pb)	64	20	90

Remark: ppm = parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 28 Mar, 2024

5 Total Lead (Pb) Content for Non-surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3, was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm					Reproting Limit	Limit
	(2+3+4)	(5+6+7)	(8)to(12)	(16)	(17)	(ppm)	(ppm)
Lead(Pb)	ND	ND	ND	ND	ND	10	100

Remark: ppm = parts per million = mg/kg

ND= Not detected (Less than reporting limit)

Tested Components: See component list in the last section of this report.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 11 May, 2024

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Tests Conducted

6 Phthalates Content (ASTM F963-23)

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)					Detection Limit (%)	Limit (%) (Max.)
	(1)	(2+3+4)	(5+6+7)	(8) to (12)	(17)		
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	0.01	0.1

Remark: ND = Not Detected(Less than detection limit)

Tested Components: See component list in the last section of this report.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 11 May, 2024

To be continued



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Tests Conducted

7 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

As per standard operating procedures for determining total Lead (Pb) in children's products, test method(s) CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Components</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(2+3+4)	<10	100
(5+6+7)	<10	100
(8)to(12)	<10	100
(16)	<10	100
(17)	<10	100

The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate).

Remark: ppm = Parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 27 Jun, 2024

8 Total Lead (Pb) Content in Surface Coating

As per standard operating procedure for determining Lead (Pb) in paint and other similar surface coatings (April 26, 2009), test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	64	90

The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating.

Remark: ppm = Parts per million = mg/kg

Tested Components: See component list in the last section of this report.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 27 Jun, 2024

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Tests Conducted

9 Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)					Limit (%) (Max.)
	(1)	(2+3+4)	(5+6+7)	(8) to (12)	(17)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	0.1

The above limit was quoted according to 16 CFR part 1307 approved by U.S. Consumer Product Safety Commission (CPSC) for prohibition of children's toys and child care articles containing specified phthalates.

Remark: ND = Not Detected
Detection Limit = 0.01%

Tested Component(s): See component list in the last section of this report.

Date Sample Received: 20 Mar, 2024

Testing Period: 20 Mar, 2024 To 26 Jun, 2024

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Components:

- (1) black coating on metal.
- (2) Red plastic.
- (3) Black plastic(safety belt buckle).
- (4) Black plastic(seat).
- (5) Black plastic(front bucket).
- (6) Black plastic(wheel).
- (7) Black plastic(pedal).
- (8) Black soft plastic(handle).
- (9) Black foam(wheel).
- (10) Transparent soft plastic film with underlying coatings(sticker).
- (11) White sponge.
- (12) Black Velcro hook.
- (13) Black Velcro loop.
- (14) Red fabric.
- (15) Black webbing(safety belt).
- (16) Silver metal without coating(frame).
- (17) White plastic(wheel).
- (18) Black fabric.

End of report

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To: NINGBO ELITE CYCLE CO.LTD.
Attention: FENG BIN

Date: 01 Jul, 2024

Re: Report Revision Notification

Intertek Testing Services Ltd.,Zhejiang Ningbo Branch Report Number SHAH01668974S1 Dated 13 May, 2024.

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services Ltd.,Zhejiang Ningbo Branch Report Number **SHAH01668974S2.**

Reason for report revision:

1. Add test item
2. Revised the test item.

Thank you for your attention.

Authorized By:
Intertek Testing Services Ltd .Zhejiang, Ningbo Branch



Bobo Yao
Assistant General Manager

