

Test Report

Applicant : ROYALBABY CYCLE BEIJING CO., LTD.
RM718, 8 SI JI QING RD., HAIDIAN DIST., BEIJING, CHINA
Attn :Jennifer Gao

NUMBER : TSNH00295963-S1
Date : Mar 07, 2019
This is to supersede report
TSNH00268507 dated Mar 06,
2019

Sample Description:

Two (2) submitted samples said to be

Item Name :BALANCE BIKE
Item No. :CM-B001/CM-B001K//CM-B001B/CM-B001P/CM-B001R/CM-B001KR/
CM-B001NB/CM-B001DP
Age Grading :From 2 to 5 years old
Supplier :ROYALBABY CYCLE BEIJING CO., LTD.
Country of Destination :USA
Country of Origin :China

Tests Conducted:

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

Conclusion:

Tested Samples/Components	Standard	Result
Submitted Samples	U.S. ASTM F963-17 Physical And Mechanical Tests	Pass
Submitted Samples	U.S. ASTM F963-17 Flammability Test of Materials Other Than Textile Materials	Pass
(1),(2),(3),(4),(5),(6),(7),(8),(9), (10),(11),(12),(13),(14),(15), (16),(17),(18),(19),(20),(21), (22)&(23)	U.S. ASTM F963-17 for total Lead content	Pass
(1),(2),(3),(4),(5),(6),(7),(8),(9), (10),(21),(22)&(23)	U.S. ASTM F963-17 for soluble elements content in surface coating	Pass
(11),(12),(13),(14),(15),(16), (17),(18),(19)&(20)	U.S. ASTM F963-17 section 4.3.5.2(2)(b) for soluble elements content for non-surface coating materials	Pass

To be continued

Authorized By :
For Intertek Testing Services
(Tianjin) Ltd.



David Zhang
Senior Manager



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1. Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Applicant's Specified Age Group for Testing: For age from two to five years

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>
Tip over Test	Section 1500.53(b)	3 times
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

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material Quality	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 36 Months to 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	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
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

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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
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	Labelling Requirement	P
6	Instructional Literature	P
7	Producer's Markings	
	- Name of Producer (Package)	Yes
	- Address (Package)	Yes

Remark: The submitted samples were undergone the tests in accordance with Section 8.5 through Section 8.18 and 8.21 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass

NA = Not Applicable

2. Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification On Toy Safety F963-17.

Result = Did Not Ignite

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3. Total Lead (Pb) Content

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-17, test method CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

<u>Tested component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(1)	<20	90
(2)	<20	90
(3)	<20	90
(4)	<20	90
(5)	<20	90
(6)	<20	90
(7)	<20	90
(8)	<20	90
(9)	<20	90
(10)	<20	90
(21)	<20	90
(22)	<20	90
(23)	<20	90

(II) Non-surface coating

<u>Tested component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(11)	<10	100
(12)	<10	100
(13)	<10	100
(14)	<10	100
(15)	24	100
(16)	<10	100
(17)	<10	100
(18)	<10	100
(19)	31	100
(20)	<10	100

Remark: ppm = parts per million based on dry weight of sample = mg/kg

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

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4. Soluble Elements Analysis In Surface Coating

As per section 4.3.5.1(2) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>								<u>Limit (ppm)</u>
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Sol. Barium (Ba)	369	13	17	300	207	395	<5	388	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	20	<5	<5	<5	<5	7	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result (ppm)</u>					<u>Limit (ppm)</u>
	(9)	(10)	(21)	(22)	(23)	
Sol. Barium (Ba)	126	215	<5	8	458	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million based on dry weight of sample = mg/kg

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

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5. Soluble Elements Analysis In Non-Surface Coating Materials (Substrate Except Modelling Clay)

As per section 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-17, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (ppm)</u>										<u>Limit (ppm)</u>
	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
Sol. Barium (Ba)	9	<5	22	7	13	<5	9	11	<5	16	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

Remark: Sol. = soluble
ppm = parts per million = mg/kg

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

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Component List

- (1) Blue/white/yellow/silver color coating on metal for sample A use (frame)
- (2) Transparent with yellow base coating on metal for sample A use (front fork)
- (3) Red/black/white color coating on metal for sample B use (frame)
- (4) Transparent with black base coating on metal for sample B use (front fork)
- (5) Black coating on metal for all samples use (handlebar&stem)
- (6) Black coating on metal for all samples use (seat post)
- (7) Black coating on metal for all samples use (quick release)
- (8) Black coating on metal for sample B use (spoke)
- (9) Black coating on metal for sample B use (rim of wheel)
- (10)Black coating on metal for sample B use (hub)
- (11)Black plastic for all samples use (grip)
- (12)Black plastic for all samples use (saddle support)
- (13)Black synthetic leather for all samples use (saddle cover)
- (14)Black plastic for sample A use (tyre)
- (15)Black plastic for sample B use (tyre)
- (16)Black plastic for sample A use (rim of wheel)
- (17)plastic sticker warning on handbar for all samples use
- (18)plastic sticker warning on frame for all samples use
- (19)black plastic ring for all samples use
- (20)black belt for all samples use
- (21)silver/black color coating on metal for all samplese use (head tube)

Date sample received: Jan 14, 2019

Testing period: Jan 14, 2019 To Mar 05, 2019

To be continued

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Photo



Re : Report revision notification

Report number TSNH00295963 Dated Mar 06, 2019

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 report, number TSNH00295963-S1, issued on Mar 07, 2019.

Thank you for your attention.

End of report