Test Report Number: SZHH01630028

Applicant: RADIO FLYER INC
6515 West Grand Ave.
/ Chicago, IL 60707

Date: Nov 29, 2021

Attn: SANDY SHI/JEFF ZENG

Sample Description:

One (1) piece of submitted sample said to be :

Item Name	:	**941H(941HZ) Ultimate Go-Kart + Helmet**
Item No.	:	**941H(941HZ)**
Labelled Age Group	:	3-8
Applicant Specified Age Grading for Testing	:	From 3 to 8 Years for kart, Over 1 Year for Helmet
Packaging Provided by Applicant	:	Yes
Additional Material and Wet Paint Provided	:	No
Manufacturer	:	Ningbo Chuanlang Industrial Co., Ltd.
Country of Origin	:	China
Country of Destination	:	U.S.
Date Sample Received	:	Nov 15, 2021 & Nov 23, 2021
Testing Period	:	Nov 15, 2021 ~ Nov 29, 2021

Tests conducted:

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

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Conclusion:

Tested sample	Standard	Result
Submitted helmets	16 CFR 1203: safety standard for bicycle helmets	Pass
Submitted samples	Requirement Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking labels for children products	Pass
	U.S. CFR Title 16 (CPSC Regulations) Mechanical and physical test	Pass
	U.S. CFR Title 16 (CPSC Regulations) Mechanical and physical test	Pass
	U.S. CFR Title 16 (CPSC Regulations) Part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids	Pass
	Standard U.S. ASTM F963-17 Physical and mechanical tests. excluding section 4.25, 5.15, 6.6 & 7.2	Pass
	Requirement U.S. ASTM F963-17 Flammability test of materials other than textile materials	Pass
	Standard - U.S. ASTM F963-17 Section 4.25 for Battery-Operated Toys and Battery-Powered Ride-on Toys	Pass
Tested component(s) of submitted sample(s)	Standard U.S. ASTM F963-17 on soluble heavy elements test	Pass
	U.S. ASTM F963-17 on total Lead content in surface coating	Pass
	U.S. ASTM F963-17 on total Lead content in non-surface coating	Pass
	U.S. CFR Title 16 Part 1303 total Lead content	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass
	Illinois Lead Poisoning Prevention Act 410 ILCS 45 on total Lead content requirement	Pass
	Consent Judgment No. RG-356892 for Toys on total Lead content based on the California Proposition 65	Pass

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Tested Sample	Standard	Result
Tested component(s) of submitted sample(s)	Consent Judgment No. CGC-09-485784 for total Lead content based on the California Proposition 65	Pass
	Consent Judgment No. CIV091146 & SF-403328 for total Lead content based on the California Proposition 65	Pass
	Test Item	
	Applicant's requirement with reference to US Consumer Product Safety Improvement Act 2008 Title I, Sec 108 and US 16 CFR Part 1307 on Phthalates content	Pass
	Applicant's requirement on Di-n-octyl phthalate (DNOP) and Di-iso-decyl phthalate (DIDP) content	Pass
	Standard	
	U.S. 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
	Consent Judgment No. BG-350969 for Toys on phthalate content based on the California Proposition 65	Pass
	Consent Judgment No. CGC-09-485784 & BC-658767 on phthalate content based on the California Proposition 65	Pass
	Consent Judgment No. CIV091146 on phthalate content based on the California Proposition 65	Pass

Remark:
As requested by the applicant, no actual test was conducted in this report, only refer to test data of the report SZHH01575999 & SZHH01550678S2.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.

Rachel L. Guo
General Manager

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Tests Conducted

1 Safety Standard for Bicycle Helmets

As per 16 CFR 1203: safety standard for bicycle helmets.

Helmet Positioning Index (HPI) (From reference plane) : 15 mm for ISO A Headform.

Clause	Test Items	Result
1203.5	**Construction requirements—projections** Any unfaired projection extending more than 7 mm (0.28 in.) from the helmet's outer surface shall break away or collapse when impacted with forces equivalent to those produced by the applicable impact-attenuation tests in § 1203.17 of this standard. There shall be no fixture on the helmet's inner surface projecting more than 2 mm into the helmet interior.	P
1203.6	**Labeling and instructions**	
1203.6 a)	**Labeling** Each helmet shall be marked with durable labeling so that the following information is legible and easily visible to the user: (1) Model designation. (2) A warning to the user that no helmet can protect against all possible impacts and that serious injury or death could occur. (3) A warning on both the helmet and the packaging that for maximum protection the helmet must be fitted and attached properly to the wearer's head in accordance with the manufacturer's fitting instructions. (4) A warning to the user that the helmet may, after receiving an impact, be damaged to the point that it is no longer adequate to protect the head against further impacts, and that this damage may not be visible to the user. This label shall also state that a helmet that has sustained an impact should be returned to the manufacturer for inspection, or be destroyed and replaced. (5) A warning to the user that the helmet can be damaged by contact with common substances (for example, certain solvents [ammonia], cleaners [bleach], etc.), and that this damage may not be visible to the user. This label shall state in generic terms some recommended cleaning agents and procedures (for example, wipe with mild soap and water), list the most common substances that damage the helmet, warn against contacting the helmet with these substances, and refer users to the instruction manual for more specific care and cleaning information. (6) Signal word. The labels required by paragraphs (a) (2) through (5) of this section shall include the signal word "WARNING" at the beginning of each statement, unless two or more of the statements appear together on the same label. In that case, the signal word need only appear once, at the beginning of the warnings. The signal word "WARNING" shall be in all capital letters, bold print, and a type size equal to or greater than the other text on the label.	P
1203.6 b)	**Instructions** Each helmet shall have fitting and positioning instructions, including a graphic representation of proper positioning.	P

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Clause	Test Items	Result
1203.12	**Test requirements.**	
	(a) Peripheral vision All bicycle helmets shall allow unobstructed vision through a minimum of 105° to the left and right sides of the midsagittal plane when measured in accordance with § 1203.14 of this standard.	P
	(b) Positional stability No bicycle helmet shall come off of the test headform when tested in accordance with § 1203.15 of this standard.	P
	(c) Dynamic strength of retention system All bicycle helmets shall have a retention system that will remain intact without elongating more than 30 mm (1.2 in.) when tested in accordance with § 1203.16 of this standard.	P (See appendix)
	(d) Impact attenuation criteria (1) General. A helmet fails the impact attenuation performance test of this standard if a failure under paragraph (d)(2) of this section can be induced under any combination of impact site, anvil type, anvil impact order, or conditioning environment permissible under the standard, either with or without any attachments, or combinations of attachments, that are provided with the helmet. Thus, the Commission will test for a ''worst case'' combination of test parameters. What constitutes a worst case may vary, depending on the particular helmet involved. (2) Peak acceleration. The peak acceleration of any impact shall not exceed 300 g when the helmet is tested in accordance with § 1203.17 of this standard.	P (See appendix)
1203.34	**Product certification and labeling by manufacturers (including importers)** **Contents of certification label.** The certification labels required by this section shall contain the following: (1) The statement ''Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older'' or ''Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage)'', as appropriate; this label may spell out ''U.S. Consumer Product Safety Commission'' instead of ''U.S. CPSC''; (2) The name of the U.S. manufacturer or importer responsible for issuing the certificate or the name of a private labeler; (3) The address of the U.S. manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the address of the private labeler; (4) The name and address of the foreign manufacturer, if the helmet was manufactured outside the United States; (5) The telephone number of the U.S. manufacturer or importer responsible for issuing the certificate or, if the name of a private labeler is on the label, the telephone number of the private labeler; (6) An identification of the production lot; (7) The uncoded month and year the product was manufactured. (c) Coding (1) The information required by paragraphs (b)(4) and (b)(6) of this section, and the information referred to in paragraph (c)(2) of this section, may be in code, provided: (i) The person or firm issuing the certificate maintains a written record of the meaning of each symbol used in the code, and (ii) The record shall be made available to the distributor, retailer,	P

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Clause	Test Items	Result
	consumer, and Commission upon request. (2) A serial number may be used in place of a production lot identification on the helmet if it can serve as a code to identify the production lot. If a bicycle helmet is manufactured for sale by a private labeler, and if the name of the private labeler is on the certification label, the name of the manufacturer or importer issuing the certificate, and the name and address of any foreign manufacturer, may also be in code. (d) Placement of the label(s) The information required by paragraphs (b)(2), (b)(3), and (b)(5) of this section must be on one label. The other required information may be on separate labels. The label(s) required by this section must be affixed to the bicycle helmet. If the label(s) are not immediately visible to the ultimate purchaser of the bicycle helmet prior to purchase because of packaging or other marketing practices, a second label is required. That label shall state, as appropriate, ‘‘Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 5 and Older’’, or ‘‘Complies with U.S. CPSC Safety Standard for Bicycle Helmets for Persons Age 1 and Older (Extended Head Coverage)’’. The label shall be legible, readily visible, and placed on the main display panel of the packaging or, if the packaging is not visible before purchase (e.g., catalog sales), on the promotional material used with the sale of the bicycle helmet. This label may spell out ‘‘U.S. Consumer Product Safety Commission’’ instead of ‘‘U.S. CPSC.’’ (e) Additional provisions for importers (1) General. The importer of any bicycle helmet subject to the standard in subpart A of this part 1203 must issue the certificate of compliance required by section 14(a) of the CPSA and this section. If a reasonable testing program meeting the requirements of this subpart has been performed by or for the foreign manufacturer of the product, the importer may rely in good faith on such tests to support the certificate of compliance, provided: (i) The importer is a resident of the United States or has a resident agent in the United States, Required by § 1203.41 of subpart C of this part, and (ii) Such records are available to the Commission within 48 hours of a request to the importer. (2) Responsibility of importers. Importers that rely on tests by the foreign manufacturer to support the certificate of compliance shall—in addition to complying with paragraph (e)(1) of this section—examine the records supplied by the manufacturer to determine that they comply with § 1203.41 of subpart C of this part.	

Abbreviation: P = Pass

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Appendix:

Sample	#1	#2	#3	#4	#5	#6	#7	#8
Weight	397.0 g	408.3 g	404.2 g	414.6 g	406.5 g	402.2 g	401.7 g	401.8 g

Laboratory Conditioning Environment

Barometric Pressure:	101 kPa	Cold:	-15.0 °C
Laboratory Humidity:	59 %	Hot:	50.0 °C
Ambient:	22.8 °C	Wet:	22.1 °C

Instrumentation Check

PRE TEST		
Impact #	V (m/s) 5.33 - 5.55	Peak g's 380 - 425
1	5.43	395.6
2	5.38	393.5
3	5.41	394.1
	Difference in g's	2.1

POST TEST		
Impact #	V (m/s) 5.33 - 5.55	Peak g's 380 - 425
1	5.41	394.8
2	5.39	393.7
3	5.42	396.1
	Difference in g's	2.4

Section 1203.12 – Dynamic strength of the retention system

Sample No.	Environment Impact	Dynamic displacement (mm)	Compliant
1	Ambient	12.7	Pass
2	High	8.1	Pass
3	Low	15.7	Pass
4	Water	16.1	Pass

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Section 1203.12 – Impact Attenuation Test

Sample No.	Anvil	Location Impact	Velocity (m/s)	Peak (Gn)	Compliant
1 Ambient	Flat	Left	6.31	211.8	Pass
		Rear	6.18	190.0	Pass
	Hemispherical	Front	4.75	115.4	Pass
		Crown	4.92	127.8	Pass
2 High	Flat	Left	6.28	217.1	Pass
		Right	6.34	237.5	Pass
	Hemispherical	Rear	4.72	102.6	Pass
		Front	4.92	163.9	Pass
3 Low	Flat	Front	6.34	185.2	Pass
		Rear	6.33	169.1	Pass
	Hemispherical	Left	4.86	132.5	Pass
		Right	4.80	106.9	Pass
4 Water	Flat	Crown	6.15	229.9	Pass
		Front	6.15	215.2	Pass
	Hemispherical	Rear	4.70	97.4	Pass
		Right	4.86	105.0	Pass
5 Ambient	Curbstone	Rear	4.86	107.8	Pass
6 High		Right	4.79	131.1	Pass
7 Low		Front	4.89	127.3	Pass
8 Water		Crown	4.73	135.8	Pass

Photos for reference

Front view	

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Side view	
Back view	

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Top view	
Bottom view	

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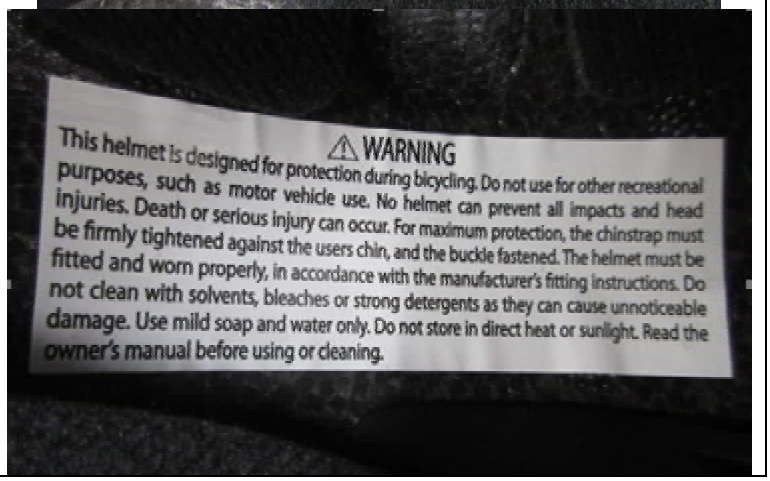
Label	  

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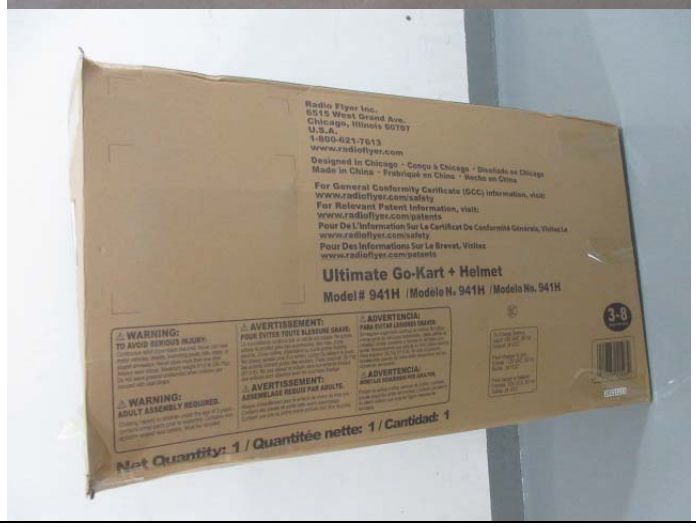
Package	  

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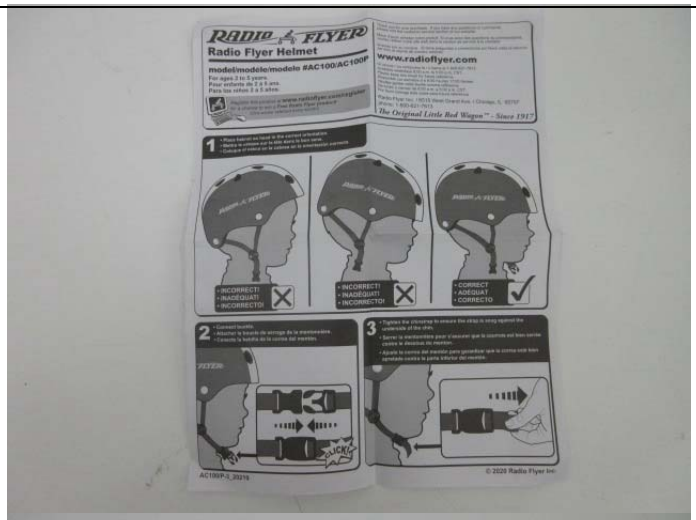
Instruction	 

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Tests Conducted

2 Tracking label assessment

As per consumer product safety improvement act (CPSIA) 2008 Section 103 tracking labels for children products

Tracking label was found on the packaging:

Name of manufacturer	Radio Flyer Inc
Location of production	A2
Date code	20211111

Tracking label was found on the product:

Name of manufacturer	Radio Flyer
Location of production	A2
Date code	20211111

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.

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Tests Conducted

3 Physical and Mechanical Test

Test requirement: U.S. Code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Tested samples：helmet

☐ Age group for testing: ☐ For ages over 1 years

	No. of Sample Tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	1	P	P	P
Impact (1500.51(b))	1	P	P	P
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	P	P
Tension (1500.53(f))	1	P	P	P
Compression (1500.53(g))	1	P	P	P

Abbreviation: P = Pass NA= Not Applicable

4 Physical and Mechanical Test

Test requirement: U.S. Code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Tested samples：kart

☐ Age group for testing: ☐ For ages over 3 to 8 years

	No. of Sample Tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	1	P	P	NA
Impact (1500.53(b))	1	P	P	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	P	NA
Tension (1500.53(f))	1	P	P	NA
Compression (1500.53(g))	1	P	P	NA

Abbreviation: P = Pass NA= Not Applicable

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West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层
Tel:+86755 26020111
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Test Report Number: SZHH01630028

Tests Conducted

5 Flammability Test

Test requirement: U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

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

6 Physical and Mechanical Tests

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Test samples：kart

☐ Age group for testing: ☐ For ages from 3 to 8 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:

Test	FHSA	Parameter
Tip over test	---	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

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
4.3.7	Stuffing materials (10X magnification check on contaminations)	NA
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
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	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	P
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

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Section	Requirement	Result
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	See Note
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 (See Note)
6	Instructional literature	P (See Note)
7	Producer's markings	
7.1	- Name of producer/distributor (Toy& Package)	Yes
	- Address (Toy& Package)	Yes
7.2	Battery-Powered Ride-on Toy	See Note
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

Note: The results of section 4.25, 5.15, 6.6 & 7.2 for battery-powered ride-on toys were referred to the next test item.

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Tests Conducted

7 Flammability Test

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, 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.

8 Battery Powered Ride On Toys

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17 Section 4.25, 5.15, 6.5, 6.6 and 7.2.

Power Source:

24 V, 7Ah, Lead-acid rechargeable battery x 2 pieces

Transformer / Battery charger (Provided) : Model number: SL24-07-02
Input: 120 VA.C, Output: 24 V D.C.

Section	Testing Items	Assessment
4.25.1	Battery marking	NA
4.25.2	Maximum allowable direct current potential	P
4.25.3	Protection against charging non-rechargeable battery	P
4.25.4	Accessible batteries	NA
4.25.5	Accessible batteries that can fit completely within small part cylinder	NA
4.25.6	Isolation of batteries of different types or capacities	NA
4.25.7	Temperature of battery surface	P
4.25.8	Temperature of battery surface or combustion hazard after normal use and abuse test	P
4.25.9	Instruction requirement	P
	- 5.15 Non-replaceable batteries	NA
	- 5.15.2 Instruction for button or coin cell batteries	NA
	- 6.5 Instruction on safe battery usage	NA

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Section	Testing Items	Assessment
4.25.10	Battery-powered ride on toys	P
4.25.10.1	The maximum temperature measured on the insulation of any conductor shall not exceed the temperature rating of the material.	P
4.25.10.2	Battery powered ride on toys shall not present a risk of fire in stalled motor test.	P
4.25.10.3	A battery powered ride on toy designed with a wiring system that has a user replaceable device (fuse type) For the primary circuit protection or a wiring system with user resetable primary circuit protection (manual reset fuse) shall not actuate (open or trip) when tested in accordance with the nuisance tripping test	P
4.25.10.4	Switches used in battery powered ride on toys. - Polymeric materials in switches used in battery powered ride on toys that are used to support current carrying parts shall carry a minimum flame rating of UL-94 V-0 or have a glow wire ignition rating of 750°C. - The switch body shall not result in a short-circuit condition when subjected to the switch endurance test and overload tests. - The switch shall not fail in a mode that could cause the vehicle to run continuously (switch stuck in the “on” position) when subjected to the endurance test and the overload test.	P
4.25.10.5	User replaceable circuit protection devices in battery powered ride on toys - User replaceable circuit protection devices used in battery powered ride on toys shall be listed, recognized or certified by an independent laboratory. - All circuit protection devices used in battery powered ride on toys intended to be replaced by the user shall be replaceable only with the use of a tool or by a design which does not easily allow tempering such as a design requiring excessive force to open.	P
4.25.10.6	Batteries and battery chargers. - Battery connectors must be constructed of material with a V-0 flame rating or have a glow wire ignition rating of 750°C. - The battery charging system shall not present a risk of fire due to a short circuit condition applied to any point in the length of a charger/battery. - During charging, battery charging voltages shall not exceed the recommended charging voltages. - Battery charges must be certified to the appropriate standard body.	P

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Section	Testing Items	Assessment
4.25.10.7	Wiring connected to the main/motor battery shall be short circuit protected and shall not present the risk of fire.	P
4.25.10.8	Strain relief shall be provided to prevent mechanical stress on wires entering a connector block during routine maintenance.	NA
4.25.10.9	Battery powered ride on toys shall comply with the requirements for safety labelling, for additional instructional literature, and for required producer's markings. - 5.15.1 Battery powered ride on toys safety labelling - 6.6 Instructions - 7.2 Producer's marking	P
4.25.11	Toys contain secondary cells or secondary batteries	NA

Remark: P = Pass NA = Not Applicable

9 Heavy Elements Analysis (except modelling clay) (U.S. ASTM F963-17)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) Tested component		Reporting limit (ppm)	Limit (ppm)
	(1)	(2)		
Sol. Barium (Ba)	9	151	5	1000
Sol. Lead (Pb)	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	2.5	25

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Element	Result (ppm) θ Tested component (3)to(44),(64),(73)to(77)	Reporting limit (ppm)	Limit (ppm)
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble
ppm = part per million = mg/kg
ND = Not detected
θ = Single result for each test component/group

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

10 Total Lead (Pb) Content in Surface Coating (U.S. ASTM F963-17)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ Tested Component (1)to(6),(76),(77)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	10	90

ppm = part per million = mg/kg
ND = Not detected
θ = Single result for each test component/group

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

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Tests Conducted

11 Total Lead (Pb) Content in Non-Surface Coating (U.S. ASTM F963-17)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) Tested Component (63)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	60	10	100

Element	Result (ppm) θ Tested Component (7)to(62),(73+74),(75),(78)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	10	100

ppm = part per million = mg/kg
ND = Not detected
θ = Single result for each test component/group

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

12 Total Lead (Pb) Content in Surface Coating (U.S. 16 CFR Part 1303 and CPSIA Section 101)

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ Tested Component (1)to(6),(76),(77),(79)to(81),(95),(96)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	10	90

The above limit was quoted according to U.S. CFR Title 16 Part 1303 and U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating.

ppm = parts per million = mg/kg
ND = Not detected (less than reporting limit)
θ = Single result for each test component/group

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

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13 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate) (U.S. CPSIA Section 101)

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) Tested Component (63)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	60	10	100

Element	Result (ppm) θ Tested Component (7)to(62),(73+74),(75),(78),(82+83),(84+85),(86+87),(88+89),(90+91),(92),(94)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	10	100

The above 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.

ppm = parts per million = mg/kg
ND = Not detected (less than reporting limit)
θ = Single result for each test component/group

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

14 Total Lead (Pb) Content (U.S. Illinois Lead Poisoning Prevention Act 410 ILCS 45)

As per Illinois Lead Poisoning Prevention Act 410 ILCS 45, with reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

Element	Result (ppm) θ Tested Component (1)to(6),(76),(77)	Reporting Limit (ppm)	Warning Statement Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	10	40	90

Element	Result (ppm) θ Tested Component (79)to(81),(95),(96)	Reporting Limit (ppm)	Warning Statement Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	10	40	90

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(II) Non-Surface Coating (Substrate)

Element	Result (ppm) Tested Component (63)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	60	10	100

Element	Result (ppm) θ Tested Component (7)to(62),(73+74),(75),(78),(82+83),(84+85),(86+87),(88+89),(90+91),(92),(94)	Reporting Limit (ppm)	Limit (ppm)
Lead (Pb)	ND	10	100

ND = Not detected (less than reporting limit)
ppm = parts per million = mg/kg
θ = Single result for each test component/group

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

15 Total Lead Content

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) Tested Component (63)	Detection Limit (mg/kg)	Limit (mg/kg)
Lead (Pb)	60	10	100

Element	Result (mg/kg) θ Tested Component (1)to(6),(76),(77)	Detection Limit (mg/kg)	Limit (mg/kg)
Lead (Pb)	ND	10	90

Element	Result (mg/kg) θ Tested Component (7)to(62),(73+74),(75),(78)	Detection Limit (mg/kg)	Limit (mg/kg)
Lead (Pb)	ND	10	100

The above limit was quoted from the Consent Judgment No. RG-356892 settled by superior court of the State of California for the county of Alameda, for Toys based on the California Proposition 65.

ND = Not detected (less than detection limit)
θ = Single result for each test component/group

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

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16 Total Lead (Pb) Content

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ Tested Component (65+66),(67+68+69),(70+71+72)	Reporting Limit (mg/kg)	Limit (mg/kg)
Lead (Pb)	ND	10	100

The above limit was quoted from the Consent Judgment No. CGC-09-485784 settled by superior court of the State of California for the county of San Francisco, for power cords, adapters and charging docks based on the California Proposition 65.

ND = Not detected (less than reporting limit)
θ = Single result for each test component/group

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

17 Total Lead (Pb) Content

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ Tested Component (82+83),(84+85),(86+87),(88+89),(90+91),(92)	Reporting Limit (mg/kg)	Limit (mg/kg)
Lead (Pb)	ND	10	200

Element	Result (mg/kg) θ Tested Component (79)to(81),(94)to(96)	Reporting Limit (mg/kg)	Limit (mg/kg)
Lead (Pb)	ND	10	300

The above limit was quoted from the Consent Judgment No. CIV091146 & SF-403328 settled by superior court of the State of California for the county of Marin & San Francisco, for sport product for children based on the California Proposition 65.

ND = Not detected (less than reporting limit)
θ = Single result for each test component/group

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

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18 Phthalates Content Test

By solvent extraction, followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (ppm) θ Tested component (1)to(44),(73+74+75),(76),(77)	Reporting limit (ppm)	Limit (ppm)
Dibutyl phthalate (DBP)	ND	100	1000
Di-(2-ethyl hexyl) phthalate (DEHP)	ND	100	1000
Benzyl butyl phthalate (BBP)	ND	100	1000
Di-iso-nonyl phthalate (DINP)	ND	100	1000
Di-isobutyl phthalate (DIBP)	ND	100	1000
Di-n-pentyl phthalate (DPENP)	ND	100	1000
Di-n-hexyl phthalate (DHEXP/DnHP)	ND	100	1000
Di-cyclohexyl phthalate (DCHP)	ND	100	1000

Test item	Result (ppm) θ Tested component (1)to(44),(73+74+75),(76),(77)	Reporting limit (ppm)	Limit (ppm)
Di-n-octyl phthalate (DNOP)	ND	100	1000
Di-iso-decyl phthalate (DIDP)	ND	100	1000

ND = Not detected (less than reporting limit)
ppm = parts per million = mg/kg
θ = Single result for each test component/group

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

19 Phthalate Content (U.S. 16 CFR Part 1307)

As per CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%)θ Tested component (1)to(44),(73+74+75),(76),(77)	Reporting limit (%)	Limit (%)
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.01	0.1

The above limit was quoted according to U.S. 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

ND = Not detected(less than reporting limit)
θ = Single result for each test component/group

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

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深圳天祥质量技术服务有限公司
West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西侧半层和 3 号楼整栋 1-5 层
Tel:+86755 26020111
www.intertek.com
www.intertek.com.cn

Test Report Number: SZHH01630028

Tests Conducted

20 Phthalate Content

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

Test item	Result (%) θ Tested component (1)to(44),(73+74+75),(76),(77)	Detection Limit (%)	Limit (%)
Dibutyl phthalate (DBP)	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	ND	0.01	0.1
Di-n-hexyl phthalate (DnHP)	ND	0.01	0.1

The above limit was quoted from the Consent Judgment No. BG-350969 settled by superior court of the state of California for the county of Alameda, for Toys based on the California Proposition 65.

ND = Not detected (less than detection limit)
Θ = Single result for each test component/group

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

21 Phthalate Content

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

Test item	CAS No.	Result (%) θ Tested component (67+68+69),(70+71+72)	Reporting Limit (%)	Limit (%)
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1

The above limit was quoted from the Consent Judgment No. CGC-09-485784 & BC-658767 settled by superior court of the State of California for the county of San Francisco & Los Angeles, for computer and electronic accessories power cords, adapters and charging docks based on the California Proposition 65.

ND = Not detected (less than reporting limit)
θ = Single result for each test component/group

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

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Tests Conducted

22 Phthalate Content

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

Test item	CAS No.	Result (%) θ Tested component (79+80+81),(82+83+84), (85+86+87),(88+89+90), (91+92),(93),(95+96)	Reporting Limit (%)	Limit (%)
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1/--

The above limit was quoted from the Consent Judgment No. CIV091146 settled by superior court of the State of California for the county of Marin, for sport product for children based on the California Proposition 65.

ND = Not detected (less than reporting limit)
θ = Single result for each test component/group

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

Component list:

(1) Red powder coating
(2) Black powder coating
(3) White pigment.
(4) Light silver color pigment.
(5) Silver color pigment.
(6) Pink coating on plastic (flag).
(7) Black plastic
(8) White plastic grain.
(9) White plastic grain.
(10) White plastic grain.
(11) White plastic grain.
(12) White plastic grain.
(13) Red plastic grain.
(14) White plastic grain.
(15) Silver grey plastic grain.

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Tests Conducted

(16) Blue plastic (nut).
(17) White plastic (nut).
(18) Blue plastic (inside of nut).
(19) Transparent black plastic grain.
(20) White plastic grain.
(21) White plastic
(22) Black plastic
(23) White plastic
(24) White plastic label with inaccessible coatings (sticker).
(25) White plastic label with inaccessible coatings (sticker).
(26) Black plastic (switch).
(27) Transparent red plastic (LED).
(28) Semi-transparent plastic (cable tie).
(29) Black plastic (heat shrinkable tube).
(30) White plastic label with inaccessible black coating (warning label).
(31) Semi-transparent plastic grain
(32) Green plastic (thick wire covering).
(33) Red plastic (thick wire covering).
(34) Yellow plastic (thick wire covering).
(35) Black plastic (thick wire covering).
(36) Red plastic (thin wire covering).
(37) White plastic (thin wire covering).
(38) Black plastic (thin wire covering).
(39) Black plastic (stopper of capacitor).
(40) Green plastic with yellow printing (capacitor).
(41) Blue plastic (thin wire covering).
(42) Brown plastic (thin wire covering).
(43) White plastic (charging port).
(44) Black fiberglass
(45) Silver color metal (hardware)
(46) Silver blue metal (hardware).
(47) Silver color metal (screw).
(48) Silver color metal (nut).
(49) Black treated metal (nut).
(50) Silver color metal (washer)
(51) Silver color metal (washer)
(52) Silver color metal (screw).
(53) Silver color metal (bolt).
(54) Silver color metal (nut).
(55) Silver color metal (screw).

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Tests Conducted

(56) Black treated metal (nut).
(57) Silver color metal (rivet).
(58) Silver color metal.
(59) Silver color metal
(60) Silver color metal
(61) Silver color metal
(62) Silver color metal
(63) Silver color metal
(64) Grey webbing.
(65) Silver color metal (adapter of charging product).
(66) Silver color metal (plug of charging product).
(67) Black plastic (adapter of charging product).
(68) Black plastic (plug of charging product).
(69) Silver color plastic label with inaccessible black coating (sticker of charging product).
(70) Black plastic (joint of adapter of charging product).
(71) Black plastic with white printing (wire covering of charging product).
(72) Black plastic (joint of plug of charging product).
(73) Transparent red plastic (button).
(74) Black plastic (base of button).
(75) Bright black plastic (plastic washer of button).
(76) Red coating on metal (parts).
(77) Peach coating on metal (parts).
(78) Silver color metal excluding coating (parts).
(79) Transparent with red base coating on plastic (body of shell).
(80) Coatings (transparent, white, red) on plastic (logo, body of shell).
(81) Black coating on paper label (warning label).
(82) White plastic excluding coatings (shell).
(83) Dark grey foam (body).
(84) Grey sponge (pad).
(85) Black adhesive Velcro (hook).

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(86) Black soft plastic (ring on belt).
(87) Black plastic (buckle of belt).
(88) Black plastic (adjust buckle of belt).
(89) Black plastic (belt of adjuster).
(90) Bright black plastic (buckle of adjuster).
(91) Black plastic (knob of buckle of adjuster).
(92) Black plastic (socket of belt of adjuster).
(93) White paper label excluding coating (warning label).
(94) Silver color metal (rivet of shell).
(95) Transparent with pink base coating on plastic (body of shell).
(96) Coatings (transparent, white, pink) on plastic (logo, body of shell).

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End of report

*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band **w** = **U**) except designation from the customer, regulation or test specification.This decision rule only applies to the numeric test results.*

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