



TEST REPORT

Applicant: Hebei SMART Children toys Co., LTD

Address: 888 Bicycle Industrial Park, Pingxiang County, Xingtai City, Hebei Province

Manufacturer: Hebei SMART Children toys Co., LTD

Address: 888 Bicycle Industrial Park, Pingxiang County, Xingtai City, Hebei Province

Report on the submitted samples said to be:

Sample Name: children's electric four-wheeler

Sample Description: Toys

Trade Mark: N/A

Main test model: SMT-555

Series models: N/A

Labeled age grading: 3 years old and above

Test age: 3 years old and above

Testing Period: Mar.10, 2023 ~ Mar.16, 2023

Date of issue: Mar.16, 2023

Test request: Please refer to next pages.

Test Results: Please refer to next pages.

Prepared by(Engineer): Cheney Wei

Approved(Manager): Jade Yang



This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.



Version

Version No.	Date	Description
00	Mar.16, 2023	Original

Test request:

Conclusion

A	As specified in title 16, code of federal regulations, chapter II- consumer products safety commission of U.S.A	
	1. 16 CFR 1500.50.51.52.53 Simulating use and abuse of toys	Pass
	2. 16 CFR 1501 Small part rule	Pass
	3. 16 CFR 1500.48 Sharp Point	Pass
	4. 16 CFR 1500.49 Sharp Edge	Pass
B	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	
	1. Mechanical and Physical Tests	Pass
	5. Section 4.2 Flammability Tests	Pass
	6. Section 4.3.5 Heavy Metals Content	Pass
C	USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing Lead- Containing Paint	N.A.
D	USA Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children’s products containing Lead; Lead paint rule	Pass
E	USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified Phthalates	Pass
F	CPSA Section 14(a) (5) Tracking Labels for Children's Products (15 USC §2063(a)(5) (CPSA))	Pass

**Test results:****A. As specified in title 16, code of federal regulations, chapter II- consumer products safety commission of U.S.A**

Clause	Description	Result
16 CFR 1500.50.51.52.53	Normal use testing	Pass
	Abuse testing	
	Impact Test	Pass
	Bite test	Pass
	Flexure test	Pass
	Torque Test (53e)	Pass
	Tension Test (53f)	Pass
	Compression Test (53g)	Pass
16 CFR 1501	Identifying toys and other articles intended for use by Children under 3 years of age which present choking aspiration, or ingestion hazards because of small parts.	N/A
16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	Pass
16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	Pass
N.A. = Not Applicable		

B 1. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety - Mechanical and Physical Tests

Section	Description	Result
4	Safety requirements	
4.1	Material quality	Pass
4.3.7	Stuffing Materials	N/A
4.4	Electrical/thermal energy	N/A
4.5	Sound producing toys	Pass
4.6	Small objects	Pass
4.7	Accessible edges	Pass
4.8	Projections	Pass
4.9	Accessible points	N/A
4.10	Wires or rods	N/A
4.11	Nails and fasteners	Pass
4.12	Packaging film	Pass
4.13	Folding mechanisms and hinges	N/A
4.14	Cords and elastics in toys	N/A
4.15	Stability and over-load requirements	N/A
4.16	Confined spaces	N/A
4.17	Wheels, tires, and axles	N/A
4.18	Holes, clearance, and accessibility of mechanisms	N/A
4.19	Simulated protective devices	N/A



Section	Description	Result
4.20	Pacifiers	N/A
4.21	Projectile toys	N/A
4.22	Teethers and teething toys	N/A
4.23	Rattles	N/A
4.24	Squeeze toys	N/A
4.25	Battery-operated toys	Pass
4.26	Toys intended to be attached to a crib or playpen	N/A
4.27	Stuffed and beanbag-type toys	N/A
4.28	Stroller carriage toys	N/A
4.29	Art materials	N/A
4.30	Toy gun marking	N/A
4.31	Balloons	N/A
4.32	Certain toys with spherical ends	N/A
4.33	Marbles	N/A
4.34	Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-shaped objects	N/A
4.37	Yo Yo elastic tether toys	N/A
4.38	Magnets	N/A
4.39	Jaw entrapment in handles and steering wheels	N/A
4.40	Expanding Materials	N/A
4.41	Toy chests	N/A
5	Labeling Requirements	
5.2	Age Grading Labeling	Pass
5.3	Safety labeling requirements	Pass
5.4	Aquatic Toys	Pass
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled By an Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges or Points	N/A
5.11	Small objects, Small balls, Marbles and balloons	Pass
5.12	Toy Caps	N/A
5.13	Art Materials	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	Pass
5.16	Promotional Materials	N/A
5.17	Magnets	N/A
6	Instructional Literature	
6.1	Definition and Description	Pass
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled By an Adult	N/A



Section	Description	Result
6.5	Battery-Operated Toys	Pass
6.6	Battery Powered Ride-on Toys	N/A
6.7	Toys in Contact with Food	N/A
6.8	Toys Chests	N/A
7	Producer's markings	
7.1	Name and address of the producer or distributor	Pass
7.2	Battery-Powered Ride-on Toys	N/A
7.3	Toy chests	N/A

Use and abuse testing

Test	Stated by the Voluntary Standard	Recommended for Toy Manufactures
Drop test	4×3.0 ft±0.5 in	4×3.0 ft
Torque test	4±0.2 in-lbf	4.2 in-lbf
Tension test	15±0.5 lbf	15±0.5lbf
Compression	30±0.5 lbf	30±0.5lbf

B 2. Section 4.2 Flammability

Flammability test of material

Method used: FHSA 16 CFR 1500.44: Method for determining extremely flammable and flammable solids.

Sample	Burn rate (in/sec.)	Result
Black plastic	DNI	Pass

Note: In accordance with the ASTM F963, the burning rate should not be greater than 0.1 inch per second.

DNI = Did Not Ignited

SE = Self-Extinguished

IBE = Ignite But Extinguished

B 3. Section 4.3.5 Heavy Metals content**Total Lead Content**

Test method: With reference to ASTM F963-17 Section 8.3.1, sample was digested with acid mixture and Analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

(1) Paint and similar surface coating material

Test Item	Unit	MDL	Results	Limit
Lead (Pb)	mg/kg	10	N/A	90
Conclusion	-	-	N/A	-

(2) Toy Substrate Materials

Test Item	Unit	MDL	Results						Limit
			01	02	03	04	05	06	
Lead (Pb)	mg/kg	10	N.D	N.D	N.D	N.D	N.D	N.D	100
Conclusion	-	-	Pass	Pass	Pass	Pass	Pass	Pass	-

**Soluble Heavy Metals Content**

Test method: With reference to ASTM F963-17 Section 8.3.2. The heavy metals content was determined by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

(1) Paint and similar surface coating material

Item	Unit	MDL	Results	Limit
Soluble Lead (Pb)	mg/kg	2	N/A	90
Soluble Antimony (Sb)	mg/kg	2	N/A	60
Soluble Arsenic (As)	mg/kg	2	N/A	25
Soluble Barium (Ba)	mg/kg	2	N/A	1000
Soluble Cadmium (Cd)	mg/kg	2	N/A	75
Soluble Chromium (Cr)	mg/kg	2	N/A	60
Soluble Mercury (Hg)	mg/kg	2	N/A	60
Soluble Selenium (Se)	mg/kg	2	N/A	500

(2) Toy Substrate Materials

Item	Unit	MDL	Results						Limit
			01	02	03	04	05	06	
Soluble Lead (Pb)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	90
Soluble Antimony (Sb)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	60
Soluble Arsenic (As)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	25
Soluble Barium (Ba)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	1000
Soluble Cadmium (Cd)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	75
Soluble Chromium (Cr)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	60
Soluble Mercury (Hg)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	60
Soluble Selenium (Se)	mg/kg	2	N.D	N.D	N.D	N.D	N.D	N.D	500

C. USA 16 CFR Part 1303 Ban of Lead Containing Paint and Certain Consumer Products Bearing

Test Method: Lead in paint and other similar surface coatings: With reference to CPSC-CH-E1003-09.1, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Unit	MDL	Results	Limit
Lead (Pb)	mg/kg	10	N/A	90
Conclusion	-	-	N/A	-

**D. USA Consumer Product Safety Improvement Act (CPSIA) Sec.101 Children's products containing lead; lead paint rule****(1) Substrate Materials**

Test Method: With reference to CPSC-CH-E1002-08.3:2012&CPSC-CH-E1001-08.3:2012, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item	Unit	MDL	Results						Limit
			01	02	03	04	05	06	
Lead (Pb)	mg/kg	10	N.D	N.D	N.D	N.D	N.D	N.D	100
Conclusion	-	-	Pass	Pass	Pass	Pass	Pass	Pass	-

(2) Paint and similar surface coating material

Test Item	Unit	MDL	Results	Limit
Lead (Pb)	mg/kg	10	N/A	90
Conclusion	-	-	N/A	-

Note:

- 1mg/kg = milligram per kilogram= 0.0001%
- N.A.= Not applicable
- MDL = Method Detection Limit

E. USA Consumer Product Safety Improvement Act (CPSIA) Sec.108 Prohibition on sale of certain products containing specified phthalates

Test Item	Unit	MDL	Results						Limit
			01	02	03	04	05	06	
Di-butyl phthalate (DBP)	mg/kg	50	N.D	N.D	N.D	N.D	N.D	N.D	1000
Butyl benzyl phthalate (BBP)	mg/kg	50	N.D	N.D	N.D	N.D	N.D	N.D	1000
Di-(2-ethylhexyl) phthalate (DEHP)	mg/kg	50	N.D	N.D	N.D	N.D	N.D	N.D	1000
Di-isobutyl Phthalate (DIBP)	mg/kg	50	N.D	N.D	N.D	N.D	N.D	N.D	1000
Di-isononyl phthalate (DINP)	mg/kg	100	N.D	N.D	N.D	N.D	N.D	N.D	1000
Dicyclohexyl Phthalate (DCHP)	mg/kg	50	N.D	N.D	N.D	N.D	N.D	N.D	1000
Di-n-hexyl Phthalate (DHEXP)	mg/kg	50	N.D	N.D	N.D	N.D	N.D	N.D	1000
Di-n-pentyl Phthalates (DPENP)	mg/kg	50	N.D	N.D	N.D	N.D	N.D	N.D	1000
Conclusion	-	-	Pass	Pass	Pass	Pass	Pass	Pass	-

Note:

- 1mg/kg = milligram per kilogram= 0.0001%
- MDL = Method Detection Limit.
- N.D. = Not Detected (< MDL).

The selection of test portions is strongly recommended by the client and the conclusion of chemical test is only for the selected portion.



Tested Parts

Code	Description of Specimen
01	Yellow plastic
02	Blue plastic
03	Black plastic
04	Black rubber
05	Black transparent plastic
06	Transparent plastic

**F. CPSA Section 14(a) (5) Tracking Labels for Children's Products (15 U.S.C. § 2063(a)(5) (CPSA))**

Description	Result
(A) The manufacturer of a children's product shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable, that will enable—	Pass
(i) To facilitate ascertaining the specific source of the product by reference to those marks	Pass
(ii) The ultimate purchaser to ascertain the manufacturer or private labels, location and date of production of the product, and cohort information.	Pass
(B) The Commission may, by regulation, exclude a specific product or class of products from the requirements in subparagraph (A) if the Commission determines that it is not practicable for such product or class of products to bear the marks required by such subparagraph. The Commission may establish alternative requirements for any product or class of products excluded under the preceding sentence consistent with the purposes described in clauses (i) and (ii) of subparagraph (A).	Pass
(b) The Commission may by rule prescribe reasonable testing programs for any product which is subject to a consumer product safety rule under this Act, or a similar rule, regulation, standard, or ban under any other Act enforced by the Commission, and for which a certificate is required under subsection (a). Any test or testing program on the basis of which a certificate is issued under subsection (a) may, at the option of the person required to certify the product, be conducted by an independent third party qualified to perform such tests, unless the Commission, by rule, requires testing by an independent third party for a particular rule, regulation, standard, or ban, or for a particular class of products.	Pass
(c) The Commission may by rule require the use and prescribe the form and content of labels which contain the following information (or that portion of it specified in the rule) —	Pass
(1) The date and place of manufacture of any consumer product.	Pass
(2) The cohort information (including the batch, run number, or other identifying characteristic) of the product.	Pass
(3) A suitable identification of the manufacturer of the consumer product, unless the product bears a private label in which case it shall identify the private labeler and shall also contain a code mark which will permit the seller of such product to identify the manufacturer thereof to the purchaser upon his request.	Pass
(4) In the case of a consumer product subject to a consumer product safety rule, a certification that the product meets all applicable consumer product safety standards and a specification of the standards which are applicable. Such labels, where practicable, may be required by the Commission to be permanently marked on or affixed to any such consumer product. The Commission may, in appropriate cases, permit information required under paragraphs (1) and (2) of this subsection to be coded.	Pass
(d) REQUIREMENT FOR ADVERTISEMENTS.—No advertisement for a consumer product or label or packaging of such product may contain a reference to a consumer product safety rule or a voluntary consumer product safety standard unless such product conforms with the applicable safety requirements of such rule or standard.	Pass
(e) WITHDRAWAL OF ACCREDITATION-	Pass
(f) DEFINITIONS.--In this section	Pass



(g)	REQUIREMENTS FOR CERTIFICATES.-- (1) IDENTIFICATION OF ISSUER AND CONFORMITY ASSESSMENT BODY.--Every certificate required under this section shall identify the manufacturer or private labeler issuing the certificate and any third party conformity assessment body on whose testing the certificate depends. The certificate shall include, at a minimum, the date and place of manufacture, the date and place where the product was tested, each party's name, full mailing address, telephone number, and contact information for the individual responsible for maintaining records of test results.	Pass
(h)	RULE OF CONSTRUCTION.	Pass
(i)	ADDITIONAL REGULATIONS FOR THIRD PARTY TESTING	Pass

Photo of the sample



