

Test Report

Report No.: U02104200428323-1E

Query Password: QW7365

Date: May 8, 2020

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Applicant:

Xingtai xinyatong Toys Co., Ltd

Contact information:DONGJIA VILLAGE OF HEGUMIAO TOWN, PINGXIANG COUNTRY, XINGTAI CITY,
HEBEI PROVINCE, China**The following sample(s) was (were) submitted and identified by client as:**

Sample Description : Children's car
Item No. : YT-1588, YT-1688, YT-1788, YT-1988, YT-3588, YT-3788.
Materials : Plastic, Metal, Fabric
Packaging Type : Closed box
Instruction Manual/Sheet : Yes
Labeled Age Grading : 3+
Requested Age Grading : 3+
Age Group Applied in Testing : Over 3 years old
Sample Received Date : Apr. 28, 2020
Testing Period : From Apr. 28, 2020 to May 8, 2020
Test Request : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by



Carol Hu

Checked by



Nora Deng

Approved by



Pascal Shi

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Summary of Test Results (Tested parts are required partially by client):

TEST REQUEST**CONCLUSION**

- (1) EN 71-1:2014+A1: 2018 European Standard for Safety of Toys
Mechanical and Physical Properties
- (2) EN 71-2:2011+A1:2014 European Standard for Safety of Toys
Flammability
- (3) EN71-3: 2019 European Standard for Safety of Toys
Migration of Certain Elements (Scraped-off toy material)
-

PASS**PASS****PASS**

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Test Material(s) List

Material No.	Description	Remark
1	White plastic	/
2	Black plastic	/
3	Red plastic	/
4	Gray plastic	/
5	Red transparent plastic	/
6	Transparent plastic	/
7	Silver coating	/
8	Black coating	/

Test Result(s):

(1) Mechanical and Physical Properties – EN 71-1:2014+A1: 2018

Section	Description	Assessment
4.1	Materials cleanliness	PASS
4.2	Assembly	PASS
4.3	Flexible Plastic Sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	PASS
4.8	Points and Metallic Wires	PASS
4.9	Protruding Parts	PASS
4.10	Parts moving against each other	PASS
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving Mechanisms	PASS
4.10.3	Hinges	NA
4.10.4	Springs	PASS
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA

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Section	Description	Assessment
4.12	Balloon	NA
4.13	Cords of Toy Kites and Other Flying Toys	NA
4.14	Enclosures	NA
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child*	PASS
4.15.1	Toys propelled by a child or by other means*	PASS
4.15.2	Toy bicycles	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child*	PASS
4.15.5	Toy scooters	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.17.1	General	NA
4.17.2	All projectiles	NA
4.17.2.1	Leading parts	NA
4.17.2.2	Foam shaft projectiles with a suction cup as a leading part	NA
4.17.2.3	Other types of projectile with a suction cup as a leading part	NA
4.17.3	Projectile toys with stored energy	NA
4.17.3.1	Energy limitation	NA
4.17.3.2	Edges	NA
4.17.3.3	Projectiles with a protective cap, cover or tip	NA
4.17.3.4	Impact resistance	NA
4.17.3.5	Improvised projectiles	NA
4.17.4	Certain projectile toys without stored energy	NA
4.17.4.1	Darts	NA
4.17.4.2	Bows and arrows	NA
4.17.4.3	Toy catapults and projectiles propelled by an elastic band	NA

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Section	Description	Assessment
4.17.4.4	Projectile toys without stored energy where the discharge mechanism can store energy, only when held in place by the user	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion Caps Specifically Designed for Use in Toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	YoYo-ball	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
4.27.1	General	NA
4.27.2	Rotors and propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
5	Toys intended for Children under 36 months	NA
5.1	General Requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA
5.4.2.1	Cords and chains with the potential to tangle	NA
5.4.2.2	Two cords or chains with the potential to tangle	NA
5.4.2.3	Separated cords and chains	NA
5.4.2.4	Free length of cords and chains	NA
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.3.1	Cords and chains with the potential to tangle	NA
5.4.3.2	Two cords or chains with the potential to tangle	NA

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Section	Description	Assessment
5.4.3.3	Separated cords and chains	NA
5.4.3.4	Free length of cords and chains	NA
5.4.3.5	Cords and chains not suitable for children under 18 months	NA
5.4.4	Fixed loops, tangled loops and nooses	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.4.9.1	Toys intended to be strung across a cradle, cot or perambulator	NA
5.4.9.2	Toys otherwise intended to be attached to a cradle, cot or perambulator	NA
5.5	Liquid Filled Toys	NA
5.6	Speed limitation of electrically driven toys	NA
5.7	Glass and Porcelain	NA
5.8	Shape and Size of certain Toys	NA
5.9	Toys comprising Monofilament Fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	PASS
7	Warning and Instructions for Use	PASS
7.1	General	PASS
7.2	Warning not intended for Children under 36 months	PASS
7.3	Latex Balloon	NA
7.4	Aquatic Toys	NA

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Section	Description	Assessment
7.5	Functional Toys	NA
7.6	Hazardous sharp Functional Edges and Points	NA
7.7	Projectiles toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy Kites	NA
7.10	Roller skates, inline skates and skateboards	PASS
7.10.1	Roller skates, inline skates and skateboards	NA
7.10.2	Ride-on toys without a braking device	PASS
7.10.3	Electrically-driven ride-on toys	PASS
7.10.4	Instructions for use	PASS
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/ electrical experimental set	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.25.1	Flying toys	NA
7.25.2	Remote controlled flying toys	NA

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Section	Description	Assessment
7.26	Improvised projectiles	NA
8.3	Torque Test	NA
8.4	Tension test	PASS
8.5	Drop test	NA
8.6	Tip over test	PASS
8.7	Impact test	PASS
8.8	Compression test	NA
8.9	Soaking test	NA
8.13	Flexure test	NA
8.24	Kinetic energy of projectiles	NA
8.34	Tension test for magnets	NA
8.42	Determination of project	NA

Remark: NA = Not applicable
 "*" = The Test Item(s) was(were) not got CNAS accreditation

Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys

Summary table:

	On product	On packaging
CE mark	Present	Present
Name & Address & Mark	Absent	Absent
Product ID	Absent	Absent

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CE mark, importer / manufacturer mark (name, address), product identification	See Remark
<p>Remark 1: The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.</p> <p>Remark 2: Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.)</p>	

(2) Flammability – EN 71-2:2011+A1:2014

Section	Test Item	Assessment
4.1	General requirements	PASS
4.2	Toys to be worn on the head	NA
4.3	Toys disguise costumes and toys intended to worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA

Remark: NA = Not applicable

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(3) Migration of Certain Elements

Test Method: With reference to EN71-3: 2019, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Inductively Coupled Plasma Mass Spectrometer (ICP-MS), Gas Chromatograph-Mass Spectrometry (GC-MS) and Ion Chromatograph.

Substance	RL (mg/kg)	Test Result (mg/kg)				
		1	2	3	4	5
Aluminium (Al)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	0.5	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Boron (B)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	0.2	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(III) (Cr ³⁺)	2.0	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(VI) (Cr ⁶⁺)	0.05	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	1.0	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	2.0	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	1.0	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin☆	0.1	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Conclusion		PASS	PASS	PASS	PASS	PASS

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Substance	RL (mg/kg)	Test Result (mg/kg)		
		6	7	8
Aluminium (Al)	5.0	N.D.	1617	54
Antimony (Sb)	5.0	N.D.	N.D.	N.D.
Arsenic (As)	0.5	N.D.	N.D.	N.D.
Barium (Ba)	5.0	N.D.	N.D.	N.D.
Boron (B)	5.0	N.D.	N.D.	N.D.
Cadmium (Cd)	0.2	N.D.	N.D.	N.D.
Chromium(III) (Cr ³⁺)	2.0	N.D.	N.D.	18
Chromium(VI) (Cr ⁶⁺)	0.05	N.D.	N.D.	N.D.
Cobalt (Co)	1.0	N.D.	N.D.	N.D.
Copper (Cu)	5.0	N.D.	N.D.	N.D.
Lead (Pb)	2.0	N.D.	N.D.	N.D.
Manganese (Mn)	5.0	N.D.	N.D.	98
Mercury (Hg)	1.0	N.D.	N.D.	N.D.
Nickel (Ni)	5.0	N.D.	N.D.	N.D.
Selenium (Se)	5.0	N.D.	N.D.	N.D.
Strontium (Sr)	5.0	N.D.	N.D.	N.D.
Tin (Sn)	5.0	N.D.	N.D.	N.D.
Organic tin☆	0.1	N.D.	N.D.	N.D.
Zinc (Zn)	5.0	N.D.	N.D.	12
Conclusion		PASS	PASS	PASS

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The table of Migration Elements limit:

Substance	Limit (mg/kg)		
	Dry, brittle, powder-like or pliable materials	Liquid or sticky materials	Scraped-off materials
Aluminium (Al)	5625 2250*	1406 560*	70000 28130*
Antimony (Sb)	45	11.3	560
Arsenic (As)	3.8	0.9	47
Barium (Ba)	1500	375	18750
Boron (B)	1200	300	15000
Cadmium (Cd)	1.3	0.3	17
Chromium(III) (Cr ³⁺)	37.5	9.4	460
Chromium(VI) (Cr ⁶⁺)	0.02	0.005	0.053
Cobalt (Co)	10.5	2.6	130
Copper (Cu)	622.5	156	7700
Lead (Pb)	2.0	0.5	23
Manganese (Mn)	1200	300	15000
Mercury (Hg)	7.5	1.9	94
Nickel (Ni)	75	18.8	930
Selenium (Se)	37.5	9.4	460
Strontium (Sr)	4500	1125	56000
Tin (Sn)	15000	3750	180000
Organic tin ☆	0.9	0.2	12
Zinc (Zn)	3750	938	46000

Note:

1. mg/kg = part per million (ppm).
2. N.D. = Not Detected (< RL).
3. RL = Report Limit.
4. Calculated concentration of Chromium(III) (Cr³⁺) and Chromium(VI) (Cr⁶⁺) are based on total Chromium.
5. "☆" = Organic tin include Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl tin. The migration of organic tin is expressed as tributyltin.

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6. * = The migration limit for AI has been amended by Commission Directive (EU) 2019/1922. The new limit value applies from 2021 - 5 - 19. Before this date the original limit value applies.

Photo(s) of Sample:



*****End of Report*****

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