

Test Report

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Applicant: Shantou Chenghai District Xinhongyang Electronic Factory Date: Mar.04, 2024
6/F, No.14, Longtian Anqing Road, Guangyi Street, Chenghai District, Shantou City,
Guangdong Province, China

Sample Description:

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

Item Name : remote control car
Item No. : JJ01, JJ02, JJ03, JJ04, JJ05, JJ06, JJ07, JJ08, JJ09, JJ10, JJ011, JJ012, JJ013, JJ014, JJ015, JJ016, JJ017, JJ018, JJ019, JJ020, JK01, JK02, JK03, JK04, JK05, JK06, JK07, JK08, JK09, JK10, JK011, JK012, JK013, JK014, JK015, JK016, JK017, JK018, JK019, JK020, JC01, JC02, JC03, JC04, JC05, JC06, JC07, JC08, JC09, JC10, JF01, JF02, JF03, JF4, JF05, JF06, JF07, JF08, JF09, JF10, JF011, JF012, JF013, JF014, JF015, JF016, JF017, JF018, JF019, JF020, JF021, JF022, JF023, JF024, JF025, JF026, JF027, JF028, JF029, JF030, 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, JC011, JC012, JC013, JC014, JC015, JC016, JC017, JC018, JC019, JC020, JC021, JC022, JC023, JC024, JC025, JC026, JC027, JC028, JC029, JC030
Manufacturer : Shantou Chenghai District Xinhongyang Electronic Factory
Brand : /
ASIN(s) : /
Country of Origin : China
Destination : EU
Labeled Age Grade : 3+
Age Grade Applied In Testing : 3 years of age and over

Tests Conducted:

Date Sample Received : Feb.26, 2024
Date(s) of Tests : Feb.26, 2024 ~ Mar.04, 2024
Place of Tests : No. 389 Tech Road, Cixi County, Ningbo City, China

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

Conclusion:

With regards to the result tested, the sample do comply with the requirements of Directive 2009/48/EC of the European parliament and of the council of 18 June 2009 on the safety of toys. See the table below for details.

	Standard	Result
1.	EN 71-1:2014+A1:2018 Mechanical And Physical Properties	PASS
2.	EN 71-2:2020 Flammability	PASS
3.	EN 71-3:2019+A1:2021 Migration of certain elements	PASS
4.	EN IEC 62115:2020+A11:2020 Electric toys-Safety (not include clause 19 Radiation, toxicity and similar hazards)	PASS
5.	Annex XVII items 51&52 of the REACH Regulation(EC) No 1907/2006 & amended (EC) No.552/2009 & (EU) 2018/2005 -Phthalates	PASS

Remarks: According to the requirements of the client : Migration of certain elements and Phthalates were tested of six materials.

Signed for and on behalf of

Ningbo Customs District Technology Center

Zhengguo Han

Lab Manager



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Components List:

<u>Material No.</u>	<u>Material</u>	<u>Color</u>	<u>Location</u>	<u>Material No.</u>	<u>Material</u>	<u>Color</u>	<u>Location</u>
1	Plastic	Red	Car	2	Plastic	Black	Car
3	Plastic	Gray	Car	4	Plastic	Purple	Car
5	Plastic	Blue	Car	6	Soft plastic	Black	Tire

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Photos of Sample:



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1. Mechanical and Physical Test

As Per European Standard on Safety of Toys EN 71-1:2014+A1:2018

Applicant's Specified Age Group for Testing: For 3 years of age and over

<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	P
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	P
4.10	Parts moving against each other	P
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	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	P
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for Children under 36 Months	
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
5.5	Liquid filled toys	NA

Test results are only responsible for delivered samples. This test report is issued by technology center and is intended for your exclusive use. This report includes all the tests required by you and test result thereof based upon the information that you provided. You have 30 days from data of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the competences of this report, the tests conducted and the correctness of the report contents.

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<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
5.6	Speed limitation of electrically-driven ride-on 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	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
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 sets	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

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<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Note:

P = Pass

NA = Not Applicable

Remark:

Additional information is according to the UK Toy Regulation 2011 and Toy Safety Directives 2009/48/EC requirement. This information also appears as a note within the EN 71 but is not standard requirements.

- Manufacturer's name and address was on the packaging only.
- Importer's name and address was on the packaging only.
- Product identification code was on the packaging only.
- CE-marking was on the packaging only.

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2. Flammability Test

As per European Standard on Safety of Toys EN 71-2:2020

<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
	General	P
4.1	The following materials shall not be present in toys — celluloid — highly flammable solids — materials with a piled surface which produce surface flash when a flame is applied to the tested material under the conditions described in 5.5 — toys shall not contain flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels (highly flammable liquid ,liquid having a flash point < 23°C and initial boiling point > 35°)	P
4.2	Toys to be worn on the head	NA
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and paperboard masks, eye masks, face masks), but excluding those items covered by 4.3	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA

Note:

P = Pass

NA = Not Applicable

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3. EN 71-3:2019+A1:2021 Migration of certain elements: 19 Toxic Elements Migration Test

Category (III): Scrapped-off toy material

Element	Limit (mg/kg)	MDL (mg/kg)	Result (mg/kg)					
			1	2	3	4	5	6
Aluminium (Al)	28130	25	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	5	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	5	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	5	ND	ND	ND	ND	ND	ND
Boron (B)	15000	25	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	5	ND	ND	ND	ND	ND	ND
Chromium (III) (Cr III)	460	5	ND	ND	ND	ND	ND	ND
Chromium (VI) (Cr VI)	0.053	0.025	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	5	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	25	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	5	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	25	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	5	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	5	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	5	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	25	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	5	ND	ND	ND	ND	ND	ND
Organic tin	12	5	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	25	ND	ND	ND	ND	ND	ND

Note:

- 1.mg/kg = Milligram per kilogram
- 2.ND=not detected

Remark:

- 1.Cr (III) and Organic tin contents were not directly determined and were derived from migration results of total Cr and Sn.
- 2.Organictintest result was expressed as Sn,If Sn less than organic tin limit, organic tin result reference to Sn; If Sn more than organic tin limit, organic tin tested by GC-MS.
- 3.Cr (VI)was tested by HPLC-ICP-MS, other tested by ICP-AES, And Cr (III) = total Cr–Cr (VI).

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

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Categories of various toy materials

Category I: Dry, brittle, powder like or pliable Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during playing. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of coloring pencils, chalk, crayons, modeling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

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4. Electric toys Test

As per European Standard on Safety of Toys EN IEC 62115:2020+A11:2020 (not include clause 19 Radiation, toxicity and similar hazards)

<u>Clause</u>	<u>Testing Items</u>	<u>Result</u>
7	Marking and instructions	P
8	Power input	N/A
9	Heating and abnormal operation	P
10	Electric strength	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	N/A
12	Mechanical strength	P
13	Construction	P
14	Protection of cords and wires	P
15	Components	P
16	Screws and connections	P
17	Clearance and creepage distances	P
18	Resistance to heat and fire	P

Note:

P = Pass

NA = Not Applicable

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5. Phthalates Content

Test Method: ISO 8124-6:2018

Test item	CAS No.	Result (%)						Reporting Limit (%)	Limit (%)
		Test components							
		(1)	(2)	(3)	(4)	(5)	(6)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	ND	0.002	0.1,SUM
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	ND	0.002	
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	ND	0.002	
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	ND	0.002	
Diisononyl phthalate (DINP)	68515-48-0	ND	ND	ND	ND	ND	ND	0.010	0.1, SUM
Didecyl phthalate(DIDP)	26761-40-0	ND	ND	ND	ND	ND	ND	0.010	
Dioctyl phthalate(DNOP)	117-84-0	ND	ND	ND	ND	ND	ND	0.002	

1. % = Percentage by weight;
2. 0.1% = 1000mg/kg;
3. MDL = Method Detection Lim it;
4. N.D. = Not Detected (<MDL).

End of Report