

# Test Report

Report No.: SFT24082060041E

Date: October 11, 2024

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Applicant: SHANTOU RAPIDPOWER TECHNOLOGY CO.,LTD  
Address: Linghai Industrial Area, Fengxiang Street, Chenghai District, Shantou City, Guangdong Province, China

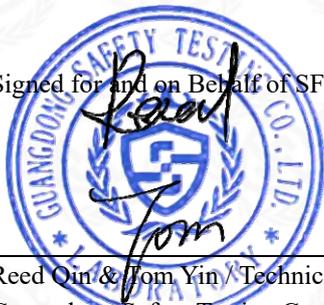
Sample Name: B/O TOYS  
Item No.: 8002,8003,8004,8006,8008,8009,8010,8011,8012,8013,8014,8015,8016,8018,8019,8020,8021,8022,8023,8024,8025,8026,8028,8029,8030,8031,8032,8033,8034,8035,8036,8038,8039,8040,A001,A002,A003,A005,A005S,A006,A008,A009,A010,A011,A012,A013,A015,A016,A018,A019,A020,A021,A022,A023,A025,A026,A028,A029,A030,A031,A032,A033,A035,A036,A038,A039,A050,A051,A052,A053,A055,A056,A058,A059,A060,A061,A062,A063,A065,A066,A068,A069,A080,A081,A082,A083,A085,A086,A088,A089,A090,A091,A092,A093,A095,A096,A098,A099,A100,A101,A102,A103,A105,A106,A108,A109,A111,A112,A113,A115,A116,A118,A119,A121,A122,A123,A125,A126,A128,A129,A130,A131,A132,A133,A135,A136,A138,A139,A150,A151,A152,A153,A155,A156,A001-B

Labeled Age Grading: 3+  
Age group assessed by lab: 3+  
Age group applied in testing: Over 3 years

The above sample(s) and information were provided by the client.

Sample Receiving Date: August 20, 2024  
Testing Period: From August 20, 2024 to October 10, 2024  
Test Requested: Select test(s) as requested by the client.  
Test Method(s): Please refer to next page(s).  
Test Result(s): Please refer to next page(s).

Signed for and on Behalf of SFT



Reed Qin & Tom Yin / Technical Manager  
Guangdong Safety Testing Co., Ltd.

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## SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
Mechanical and physical properties - European Standard EN 71-1:2014+A1: 2018	PASS
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	See Result
Flammability - European Standard EN 71-2: 2020	PASS
As specified by client, with reference to European Standard EN 71-3: 2019+A1:2021 to determine Migration of Certain Elements of the selected parts in the submitted sample(s).	PASS

**Test Result(s):** Please refer to next page(s).

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**Test Result(s):**
**Mechanical and physical properties - European Standard EN 71-1:2014+A1:2018**
Test method: EN 71-1:2014+A1:2018

Section	Testing Items	Assessment
4	General requirements	PASS
4.1	Material Cleanliness	PASS
4.2	Assembly	NA
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	NA
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	PASS
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA

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4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toys disguise costumes	NA
4.27	Flying toys	NA
5	Toy intended for children under 36 months	NA
5.1	General requirements	NA
5.1a	Small part requirement on toy & removable Components(Test method 8.2)	NA
5.1b	Torque test (Test method 8.3)	NA
	Tension test (Test method 8.4)	NA
	Drop test (Test method 8.5)	NA
	Tip over test (Test method 8.6)	NA
	Impact test (Test method 8.7)	NA
	Compression test (Test method 8.8)	NA
	Sharp edge (Test method 8.11)	NA
	Sharp point (Test method 8.12)	NA
	Tension test for magnet (Test method 8.34)	NA
5.1c	Potential hazardous metal points and wires with a cross section of 2mm or less	NA
5.1d	Large and bulky toys	NA
5.1e	Glued wooden toys and toys with glued on plastic decals plastic decals	NA
5.1f	The casing of toys intended for children too young to sit up unaided	NA
5.1g	Foam toys and toys containing accessible foam components	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
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

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5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	PASS
7.1	General	PASS
7.2	Toys not intended for children under 36 months	PASS
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
7.7.1	Toys with projectiles which are able to discharge an object other than that provide with the toy	NA
7.7.2	Toys capable of discharging a projectile with a kinetic energy greater than 0.08J	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.10.1	Roller skates, inline skates and skateboards	NA
7.10.2	Ride-on toys without a braking device	NA
7.10.3	Electrically-driven ride-on toys	NA
7.10.4	Instructions for use	NA
7.11	Toys otherwise 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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7.25	Flying toys	NA
7.25.1	Flying toys	NA
7.25.2	Remote controlled flying toys	NA
7.26	Improvised projectiles	NA

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

**Summary table:**

	On product	On packaging
Washing/Cleaning instruction	N/A	N/A
CE marking	Absent	Present
Manufacturer's name	Absent	Present
Manufacturer's address	Absent	Present
Importer's name	Absent	Absent
Importer's address	Absent	Absent
Sample ID	Absent	Present

Remark 1: Washing/Cleaning label: According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing: A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The toy must fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.

Remark 2: Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.

Remark 3: 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

Remark 4: 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.

Note / Key :

1. NA = Not Applicable.
2. NC = Not Conducted as per client's request.
3. Tests with (n) are not included in CNAS scope
4. Per the client's requirement, the testing age grading is over 3 years.

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## Flammability - European Standard EN 71-2: 2020

Test method: EN 71-2:2020

Section	Testing Items	Assessment
4	Requirements	PASS
4.1	General requirements	PASS
4.2	Toys to be worn on the head	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

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**As specified by client, with reference to European Standard EN 71-3: 2019+A1:2021 to determine Migration of Certain Elements of the selected parts in the submitted sample(s).**

Test method: EN 71-3:2019+A1:2021. Analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)/Inductively Coupled Plasma Mass Spectrophotometer (ICP-MS)/ Gas Chromatography-Mass Spectrometer.(GC-MS)

Class: Category III-Scraped-off toy material

Test Item	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)		
			Test Component(s)		
			1	2	3
Aluminium (Al)	5.0	28130	27	ND	ND
Antimony (Sb)	5.0	560	ND	ND	ND
Arsenic (As)	5.0	47	ND	ND	ND
Barium (Ba)	5.0	18750	ND	ND	ND
Boron (B)	5.0	15000	ND	ND	ND
Cadmium (Cd)	5.0	17	ND	ND	ND
Chromium III (Cr III)	2.0	460	ND	ND	ND
Chromium VI (Cr VI)	0.05	0.053	ND	ND	ND
Cobalt (Co)	5.0	130	ND	ND	ND
Copper (Cu)	5.0	7700	ND	ND	ND
Lead (Pb)	5.0	23	ND	ND	ND
Manganese (Mn)	5.0	15000	ND	ND	ND
Mercury (Hg)	5.0	94	ND	ND	ND
Nickel (Ni)	5.0	930	ND	ND	ND
Selenium (Se)	5.0	460	ND	ND	ND
Strontium (Sr)	5.0	56000	ND	ND	ND
Tin (Sn)	5.0	180000	10	ND	ND
Organic tin	5.0	12	ND	ND	ND
Zinc (Zn)	5.0	46000	7	ND	ND
Conclusion			PASS	PASS	PASS

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Test Item	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)		
			Test Component(s)		
			4	5	6
Aluminium (Al)	5.0	28130	ND	ND	5
Antimony (Sb)	5.0	560	ND	ND	ND
Arsenic (As)	5.0	47	ND	ND	ND
Barium (Ba)	5.0	18750	ND	ND	ND
Boron (B)	5.0	15000	ND	ND	ND
Cadmium (Cd)	5.0	17	ND	ND	ND
Chromium III (Cr III)	2.0	460	ND	ND	ND
Chromium VI (Cr VI)	0.05	0.053	ND	ND	ND
Cobalt (Co)	5.0	130	ND	ND	ND
Copper (Cu)	5.0	7700	ND	ND	ND
Lead (Pb)	5.0	23	ND	ND	ND
Manganese (Mn)	5.0	15000	ND	ND	ND
Mercury (Hg)	5.0	94	ND	ND	ND
Nickel (Ni)	5.0	930	ND	ND	ND
Selenium (Se)	5.0	460	ND	ND	ND
Strontium (Sr)	5.0	56000	ND	ND	ND
Tin (Sn)	5.0	180000	ND	ND	ND
Organic tin	5.0	12	ND	ND	ND
Zinc (Zn)	5.0	46000	38	ND	ND
Conclusion			PASS	PASS	PASS

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Test Item	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)		
			Test Component(s)		
			7	8	9
Aluminium (Al)	5.0	28130	ND	6	8
Antimony (Sb)	5.0	560	ND	ND	ND
Arsenic (As)	5.0	47	ND	ND	ND
Barium (Ba)	5.0	18750	ND	ND	ND
Boron (B)	5.0	15000	ND	ND	ND
Cadmium (Cd)	5.0	17	ND	ND	ND
Chromium III (Cr III)	2.0	460	ND	ND	ND
Chromium VI (Cr VI)	0.05	0.053	ND	ND	ND
Cobalt (Co)	5.0	130	ND	ND	ND
Copper (Cu)	5.0	7700	ND	ND	ND
Lead (Pb)	5.0	23	ND	ND	ND
Manganese (Mn)	5.0	15000	ND	ND	ND
Mercury (Hg)	5.0	94	ND	ND	ND
Nickel (Ni)	5.0	930	ND	ND	ND
Selenium (Se)	5.0	460	ND	ND	ND
Strontium (Sr)	5.0	56000	ND	ND	ND
Tin (Sn)	5.0	180000	ND	ND	ND
Organic tin	5.0	12	ND	ND	ND
Zinc (Zn)	5.0	46000	ND	ND	ND
Conclusion			PASS	PASS	PASS

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			Test Component(s)		
			10	-	-
Aluminium (Al)	5.0	28130	ND	-	-
Antimony (Sb)	5.0	560	ND	-	-
Arsenic (As)	5.0	47	ND	-	-
Barium (Ba)	5.0	18750	ND	-	-
Boron (B)	5.0	15000	ND	-	-
Cadmium (Cd)	5.0	17	ND	-	-
Chromium III (Cr III)	2.0	460	ND	-	-
Chromium VI (Cr VI)	0.05	0.053	ND	-	-
Cobalt (Co)	5.0	130	ND	-	-
Copper (Cu)	5.0	7700	ND	-	-
Lead (Pb)	5.0	23	ND	-	-
Manganese (Mn)	5.0	15000	ND	-	-
Mercury (Hg)	5.0	94	ND	-	-
Nickel (Ni)	5.0	930	ND	-	-
Selenium (Se)	5.0	460	ND	-	-
Strontium (Sr)	5.0	56000	ND	-	-
Tin (Sn)	5.0	180000	5	-	-
Organic tin	5.0	12	ND	-	-
Zinc (Zn)	5.0	46000	ND	-	-
Conclusion			PASS	-	-

Note / Key : ND= Not detected(&lt;MDL)

MDL=Method Detection Limit (mg/kg)

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyl tin cation content in mg/kg

Remark: ◇Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation unless further specified.

Tested part(s) was/were specified by client

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Test Component	Sample Description/Location
1	Cyan/black/white/grey/yellow coating(surface of dog & remote control)
2	White plastic(remote control & dog)
3	Black plastic(dog)
4	Translucent white plastic(light cover of dog)
5	Black soft plastic(button of remote control)
6	Black soft plastic(tire)
7	Blue plastic(beads)
8	Black soft plastic(USB big plug)
9	Black soft plastic(USB small plug)
10	Black soft plastic(USB wire jacket)

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## Photo of Sample



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

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