



Test Report

No.: W2306367

Date: 2023-06-03

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Applicant : GUANGDONG EDUKIDDO INNOVATIVE AND EDUCATION TECHNOLOGY CO.,LTD.
Address : RIGHT OF GUANGYI STREET OFFICE NORTH OF GUANGYI DENG FENG ROAD, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG, P.R. CHINA

Sample Description:

Name of Product / Item : TOY SERIES
Item No. : A997,997,A3135,3135,A907,907
Above sample information was submitted and/or identified by client
Quantity of Sample : 2 sets
Other Information : WJ20230523022
Labeled Age Grading : 18M+, 6M+
Requested Age Grading : As per package
Age Group Assessed As Per Age Guideline : Over 18 months, Over 6 months
Age Group Applied in Testing : Over 18 months, Over 6 months
Sample Receiving Date : 2023-05-26
Testing Period : 2023-05-26 TO 2023-06-03

TEST REQUESTED

CONCLUSION

European Standard on Safety of toys:

- EN 71-1:2014+A1:2018 Mechanical and Physical properties	PASS
- EN 71-2:2020 Flammability of Toys	PASS
- Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU)2018/725, (EU)2019/1922	PASS
EN 71-3:2019+A1:2021 Migration of certain elements	

British Standard on Safety of toys:

- BS EN 71-1:2014+A1:2018 Mechanical and Physical properties	PASS
- BS EN 71-2:2020 Flammability of Toys	PASS
- BS EN 71-3:2019+A1:2021 Migration of certain elements	PASS

**** AS REQUESTED BY THE APPLICANT, PLEASE REFER TO THE FOLLOWING PAGE(S) FOR DETAILS****

Signed for and on behalf of
Guangdong Vanjust Testing Technology
Co., Ltd

Nancy



Nancy Wang
Toy Laboratory Manager



scan to see the report

Guangdong Vanjust Testing Technology Co., Ltd
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This document cannot be reproduced except in full, without prior approval of our laboratory. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



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European Standard on Safety of Toys

▼ EN 71-1:2014+A1:2018 Mechanical and Physical Properties

As specified in European Standard on Safety of Toys - EN71 Part 1:2014+A1:2018

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	Pass
4.10	Parts moving against each other	
4.10.2	Driving mechanisms	Pass
4.20	Acoustics	Pass
	Elephant piano	L _{pA} : 72.5 dB L _{pC peak} :84.7 dB
	Tool table	L _{pA} : 69.2 dB L _{pC peak} :80.5dB
	Insect	L _{pA} : 62.3dB L _{pC peak} :74.9dB
5	Toys intended for children under 36 months	
5.1	General requirements	
5.1a	Small part requirement on toys & removable components (Test method 8.2)	Pass
5.1b	Torque test (Test method 8.3)	Pass
	Tension test (Test method 8.4)	Pass
	Drop test (Test method 8.5)	Pass
	Impact test (Test method 8.7)	Pass
	Compression test (Test method 8.8)	Pass
	Sharp edge (Test method 8.11)	Pass



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<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
	Sharp point (Test method 8.12)	Pass
5.4	Cords, chains and electrical cables in toys	Pass
5.8	Shape and size of certain toys	Pass
6	Packaging	Pass
7	Warnings, markings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold.)	
7.1	General	Pass

Note:

- Only applicable clauses were shown.

▼ **EN 71-2:2020 Flammability of Toys**

As specified in European Standard on Safety of Toys - EN 71 Part 2:2020

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4.1	General requirements	
	- Celluloid, materials with the same behavior in fire as celluloid	Pass
	- Highly flammable solids	Pass

Note:

- The gas used in flammability test is butane.
- Only applicable clauses were shown.



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▼ Labeling requirement

Washing/Cleaning instruction, CE mark, importer/manufacturer name and address, product identification

As specified in the Directive 2009/48/EC-Safety of toys

Summary table:

Requirement	Observation Result	Location
Washing/Clean instruction	Not Applicable	--
CE mark	Present	Packaging
Importer's Name & Address	Absent	--
Manufacturer's Name & Address	Absent	--
Product ID	Present	Packaging

Note:

1. According to Directive 2009/48/EC, 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 soaked. The manufacturer should, if applicable, provide instructions on how the toy must be cleaned.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer'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.
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:

- Only applicable clauses were shown.



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**Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738,
Commission Directive (EU)2018/725, (EU)2019/1922**

▼ EN 71-3:2019+A1:2021 Migration of certain elements

Method: EN 71-3:2019+A1:2021

Analysis was performed by ICP-OES, ICP-MS, IC-UV/VIS and GC-MS.

Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	1	2	3	4	5		
Aluminium (Al)	81	N/A	N/A	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N/A	N/A	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N/A	N/A	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N/A	N/A	N.D.	N.D.	50	18750
Boron (B)	N.D.	N/A	N/A	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N/A	N/A	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N/A	N/A	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N/A	N/A	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N/A	N/A	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N/A	N/A	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N/A	N/A	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N/A	N/A	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N/A	N/A	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N/A	N/A	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N/A	N/A	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N/A	N/A	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N/A	N/A	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N/A	N/A	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N/A	N/A	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N/A	N/A	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)						Reporting Limit (mg/kg)	Limit (mg/kg)
	6	7	8	9	10	11		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)							Reporting Limit (mg/kg)	Limit (mg/kg)
	12	13	14	15	16	17	18		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)							Reporting Limit (mg/kg)	Limit (mg/kg)
	19	20	21	22	23	24	25		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)							Reporting Limit (mg/kg)	Limit (mg/kg)
	26	27	28	29	30	31	32		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)						Reporting Limit (mg/kg)	Limit (mg/kg)
	33	34	35	36	37	38		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	6	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

Specimen Description:

- 1 multicolor coating (caterpillar, wheel, elephant harp) (sample weight: 64.4mg)
- 2 blue coating (switch)
- 3 black/white sticker (QC)
- 4 multicolor sticker (elephant harp)
- 5 dark yellow plastic (beaded frame)
- 6 orange plastic (bibs, button, accessories)
- 7 turquoise plastic (elephant harp, button)



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- 8 bright green plastic (elephant harp)
- 9 bright red plastic (flower, accessories, key, button, tool box, ball, cylinder, handles, screw)
- 10 light red plastic (cheek)
- 11 light turquoise plastic (elephant trunk)
- 12 light yellow plastic (stamen, caterpillar, screw, triangle, handle)
- 13 transparent plastic (ball, wheel)
- 14 dark purple plastic (button)
- 15 yellow plastic (button)
- 16 green soft plastic (beads)
- 17 turquoise soft plastic (beads)
- 18 orange soft plastic (beads)
- 19 dark red plastic (headset)
- 20 dark red plastic (tentacle)
- 21 light pink plastic (caterpillar)
- 22 light grass green plastic (caterpillar, tool box)
- 23 purple plastic (caterpillar)
- 24 blue plastic (wheel)
- 25 dark pink plastic (wheel)
- 26 dark yellow soft plastic (tyre)
- 27 multicolor sticker (tool box)
- 28 sky blue plastic (tool box)
- 29 gray plastic (tool box, tool)
- 30 light orange plastic (tool box)
- 31 dark blue plastic (tool box, cube, screw)
- 32 green plastic (handgrip)
- 33 purple plastic (heart shape, screw)
- 34 semi-transparent red plastic (tool box)
- 35 semi-transparent kelly plastic (tool box)
- 36 semi-transparent blue plastic (tool box)
- 37 white rope (flower)
- 38 black/white paper (instruction book)



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Note:

- N.D. = Not Detected (< Reporting limit)
- mg/kg = ppm = parts per million
- N/A = Not Applicable, indicates the test portion(s) is/are less than 10mg, therefore such components was/were not tested for migration of certain elements, as specified in the European standard on safety of toys EN 71-3:2019+A1:2021, clause 7 – selection of test portions.
- Where the test portion has a mass of between 10mg and 100mg, the quantity of the appropriate elements shall be calculated as if 100mg of the test portion had been used.
- #1 The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium (VI).
- #2 The migration of organic tin is expressed as tributyltin (TBT).

Organic tins tested under EN 71-3:2019+A1:2021
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)
Dimethyl tin (DMT)



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British Standard on Safety of Toys

▼ BS EN 71-1:2014+A1:2018 Mechanical and Physical Properties

As specified in European Standard on Safety of Toys –BS EN71 Part 1:2014+A1:2018

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	Pass
4.10	Parts moving against each other	
4.10.2	Driving mechanisms	Pass
4.20	Acoustics	Pass
	Elephant piano	L _{pA} : 72.5 dB L _{pC peak} :84.7 dB
	Tool table	L _{pA} : 69.2 dB L _{pC peak} :80.5dB
	Insect	L _{pA} : 62.3dB L _{pC peak} :74.9dB
5	Toys intended for children under 36 months	
5.1	General requirements	
5.1a	Small part requirement on toys & removable components (Test method 8.2)	Pass
5.1b	Torque test (Test method 8.3)	Pass
	Tension test (Test method 8.4)	Pass
	Drop test (Test method 8.5)	Pass
	Impact test (Test method 8.7)	Pass
	Compression test (Test method 8.8)	Pass
	Sharp edge (Test method 8.11)	Pass



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<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
	Sharp point (Test method 8.12)	Pass
5.4	Cords, chains and electrical cables in toys	Pass
5.8	Shape and size of certain toys	Pass
6	Packaging	Pass
7	Warnings, markings and instructions for use (Note: It is drawn to your attention that the warnings, precautions and instructions for use should be given in the national language(s) of the country where the product is sold.)	
7.1	General	Pass

Note:

- Only applicable clauses were shown.

▼ **BS EN 71-2:2020 Flammability of Toys**

As specified in European Standard on Safety of Toys – BS EN 71 Part 2:2020

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4.1	General requirements	
	- Celluloid, materials with the same behavior in fire as celluloid	Pass
	- Highly flammable solids	Pass

Note:

- The gas used in flammability test is butane.
- Only applicable clauses were shown.



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▼ Labeling requirement

Washing/Cleaning instruction, Name and postal address of Importer based in UK, manufacturer name and address, product identification

Summary table:

Requirement	Observation Result	Location
Washing/Clean instruction	Not Applicable	--
UKCA Mark	Present	Packaging
Name and postal address of Importer based in UK	Absent	--
Manufacturer 's Name & Address	Absent	--
Product ID	Present	Packaging

Note:

1. According to Toys (Safety) Regulations 2011, 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 manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.
2. The UKCA marking should be at least 5mm in height, unless a different minimum dimension is specified in the relevant legislation. The UKCA marking should be visibly, legibly and indelibly (From 1 January 2023, the UKCA marking must, in most cases, be affixed directly to the product.).
3. Importer must make sure that its name and address is marked on the toy or on a document accompanying the toy or packaging, as well as the manufacturer's details after 1 January 2021. Until 31 December 2022, UK importer can provide these details on the accompanying documentation rather than on the good itself.
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, the required information is provided on the packaging or in a document accompanying the toy.

Note:

- Only applicable clauses were shown.



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▼ BS EN 71-3:2019+A1:2021 Migration of certain elements

Method: BS EN 71-3: 2019+A1:2021

Analysis was performed by ICP-OES, ICP-MS, IC-UV/VIS and GC-MS.

Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)					Reporting Limit (mg/kg)	Limit (mg/kg)
	1	2	3	4	5		
Aluminium (Al)	81	N/A	N/A	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N/A	N/A	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N/A	N/A	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N/A	N/A	N.D.	N.D.	50	18750
Boron (B)	N.D.	N/A	N/A	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N/A	N/A	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N/A	N/A	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N/A	N/A	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N/A	N/A	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N/A	N/A	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N/A	N/A	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N/A	N/A	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N/A	N/A	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N/A	N/A	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N/A	N/A	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N/A	N/A	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N/A	N/A	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N/A	N/A	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N/A	N/A	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N/A	N/A	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)						Reporting Limit (mg/kg)	Limit (mg/kg)
	6	7	8	9	10	11		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)							Reporting Limit (mg/kg)	Limit (mg/kg)
	12	13	14	15	16	17	18		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)							Reporting Limit (mg/kg)	Limit (mg/kg)
	19	20	21	22	23	24	25		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)							Reporting Limit (mg/kg)	Limit (mg/kg)
	26	27	28	29	30	31	32		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000



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Tested Item(s)	Result (mg/kg)						Reporting Limit (mg/kg)	Limit (mg/kg)
	33	34	35	36	37	38		
Aluminium (Al)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	28130
Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	3	17
Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.05	--
Chromium (III) #1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	--	460
Chromium (VI)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.005	0.053
Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	23
Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	6	N.D.	5	930
Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	56000
Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.5	180000
Organic tin (TBT) #2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.2	12
Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	46000

Specimen Description:

- 1 multicolor coating (caterpillar, wheel, elephant harp) (sample weight: 64.4mg)
- 2 blue coating (switch)
- 3 black/white sticker (QC)
- 4 multicolor sticker (elephant harp)
- 5 dark yellow plastic (beaded frame)
- 6 orange plastic (bibs, button, accessories)
- 7 turquoise plastic (elephant harp, button)



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- 8 bright green plastic (elephant harp)
- 9 bright red plastic (flower, accessories, key, button, tool box, ball, cylinder, handles, screw)
- 10 light red plastic (cheek)
- 11 light turquoise plastic (elephant trunk)
- 12 light yellow plastic (stamen, caterpillar, screw, triangle, handle)
- 13 transparent plastic (ball, wheel)
- 14 dark purple plastic (button)
- 15 yellow plastic (button)
- 16 green soft plastic (beads)
- 17 turquoise soft plastic (beads)
- 18 orange soft plastic (beads)
- 19 dark red plastic (headset)
- 20 dark red plastic (tentacle)
- 21 light pink plastic (caterpillar)
- 22 light grass green plastic (caterpillar, tool box)
- 23 purple plastic (caterpillar)
- 24 blue plastic (wheel)
- 25 dark pink plastic (wheel)
- 26 dark yellow soft plastic (tyre)
- 27 multicolor sticker (tool box)
- 28 sky blue plastic (tool box)
- 29 gray plastic (tool box, tool)
- 30 light orange plastic (tool box)
- 31 dark blue plastic (tool box, cube, screw)
- 32 green plastic (handgrip)
- 33 purple plastic (heart shape, screw)
- 34 semi-transparent red plastic (tool box)
- 35 semi-transparent kelly plastic (tool box)
- 36 semi-transparent blue plastic (tool box)
- 37 white rope (flower)
- 38 black/white paper (instruction book)



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Note:

- N.D. = Not Detected (< Reporting limit)
- mg/kg = ppm = parts per million
- N/A = Not Applicable, indicates the test portion(s) is/are less than 10mg, therefore such components was/were not tested for migration of certain elements, as specified in the British standard on safety of toys BS EN 71-3:2019+A1:2021, clause 7 – selection of test portions.
- Where the test portion has a mass of between 10mg and 100mg, the quantity of the appropriate elements shall be calculated as if 100mg of the test portion had been used.
- #1 The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium (VI).
- #2 The migration of organic tin is expressed as tributyltin (TBT).

Organic tins tested under BS EN 71-3:2019+A1:2021
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DProT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)
Dimethyl tin (DMT)



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Remark:

1. Since the data and/or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and/or information, VITS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and/or conclusions arising therefrom. Testing results only apply to the sample as received.
2. If relevant standards do not specify decision rule(s), follow decision rule as below:
 - "Pass" means that the measured result is within the limits, even when extended by expanded uncertainty at a level of confidence of 95%.
 - "Fail" means that the measured result is beyond the limit, even when extended by expanded uncertainty at a level of confidence of 95%.



Sample Photo





Vanjust Testing authenticate the photo on original report only

*** End of Report ***