

Test Report

Number: GZHH00531726

Applicant: GUANGDONG BAOLI CULTURAL DEVELOPMENT
CO.,LTD.
NO.2 CROSS-WEST ROAD, FENGXIN
GANGKOU INDUSTRIAL SECTION,
FENGXIANG STREET, CHENGHAI ,SHANTOU ,
GUANGDONG PROVINCE,CHINA

Date: Apr 17, 2024

Attn: 冯岗

Sample Description:

Six (6) sets of submitted sample said to be :

Item Name : **Toy Electronic Organ**

Item No. : **3132C**

P. O. No. : 1812B 1504A 1504 1504B 1504C 1504D 2108 2108B 1601 1601B 、
801 、 1603 、 1707 、 1708 、 1807 、 2013 、 102B 、 802 、 901 、 1025 、 1037B 、
1037 、 1303B 、 1303C 、 1303D 、 1305C 、 1402 、 1403 、 1405B 、 1405 、
1504A 、 1504B 、 1505A 、 1601B 、 1601 、 1701B 、 1701 、 1704 、 1706 、
1712 、 1801 、 1802 、 1804B 、 1806 、 1902F 、 1902G 、 1902 、 2007 、 2012B 、
2106 、 2108 、 3002 、 3020 、 3032A 、 3032B 、 3037B 、 3037 、 5004 、 5006 、
5007 、 5009 1712B 、
3108 、 3132A 、 3132B 、 3132C 、 3132E 、 3232A 、 3232B 、 3232C 、 5003 、
1401 2308 2308B 901 2002 2006B 2106
1037 1037B 2102 2102B 102 102B 3002B 5009B 1701C 1712C 1909
1909B 1913

Remark : Above reference No. was submitted and/or identified by the client and it was
not verified by the laboratory.

Labelled Age Group : "36M+"

Appropriate Age Grading for : Over 3 Years

Testing

Packaging Provided by : Yes (Artwork)

Applicant

Country of Destination : US

Country of Origin : China

Date Sample Received : Mar 25, 2024 & Apr 07, 2024

Testing Period : Mar 25, 2024 ~ Apr 17, 2024

To be continued



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Sample Description:



Tests conducted:

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

To be continued



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Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Submitted sample(s)	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass
	15 U.S.C. §2063(a)(5) (CPSA)	Pass
	Consumer Product Safety Act Section 14(a) (5)	Pass
	<u>Standard - U.S. ASTM F963-23</u>	
	Physical and mechanical tests	Pass
	Flammability test of materials other than textile materials	Pass
	<u>Standard</u>	
	EN71-1:2014+A1:2018 for mechanical and physical properties	Pass
	EN 71-2: 2020 Flammability test	Pass
	<u>Standard/Testing Item</u>	
Tested component(s) of submitted samples	U.S. ASTM F963-23 on Phthalate content	Pass
Submitted samples	U.S. ASTM F963-23 on soluble Cadmium content test	Not Applicable
Tested component(s) of submitted samples	U.S. ASTM F963-23 on soluble heavy elements test	Pass
	U.S. ASTM F963-23 on total Lead content in surface coating	Pass
	U.S. ASTM F963-23 on total Lead content in non-surface coating	Pass
	EN 71-3:2019+A1:2021 on migration of certain elements	Pass

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines


Victor T.J. Wang
Assistant General Manager



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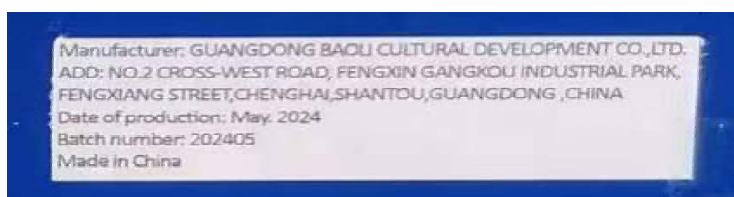
Tests Conducted

1 Tracking Label Assessment

As per consumer product safety Act section 14(a) (5), 15 U.S.C. §2063(a)(5) (CPSA) and Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products

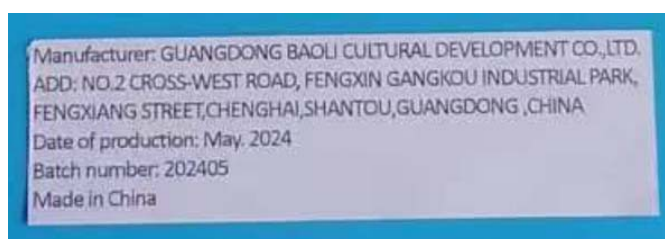
Tracking label found on the packaging:

Name of manufacturer / importer / private labeler:	GUANGDONG BAOLI CULTURAL DEVELOPMENT CO., LTD
Location of production:	NO.2 CROSS-WEST ROAD, FENGXIN GANGKOU INDUSTRIAL PARK, FENGXIANG STREET, CHENGHAI, SHANTOU, GUANGDONG, CHINA
Date code:	May,2024



Tracking label found on the product:

Name of manufacturer / importer / private labeler:	GUANGDONG BAOLI CULTURAL DEVELOPMENT CO., LTD
Location of production:	NO.2 CROSS-WEST ROAD, FENGXIN GANGKOU INDUSTRIAL PARK, FENGXIANG STREET, CHENGHAI, SHANTOU, GUANGDONG, CHINA
Date code:	May,2024



Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.



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Tests Conducted

2 Physical and Mechanical Tests

Test Standard : ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations :

Test	FHSA	Parameter
Drop test	Section 1500.53(b)	4 X 3 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	P
4.3.7	Stuffing materials(10X magnification check on contaminations)	NA
4.5	Sound-producing toys	P
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	P
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	P
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	P
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA



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Section	Testing Items	Assessment
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	YoYo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labelling requirement	
	-Tracking label	P
	-Safety labelling	P
6	Instructional literature	P
7	Producer's markings	
7.1	- Name of producer/distributor (Package)	Yes
	- Address	No
7.2	Battery powered ride on toys	NA
7.3	Toy chests	NA
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA
7.3.3	Model number	NA

Remark : The submitted samples were undergone the tests in accordance with section 8.5 through section 8.18 and 8.20 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Abbreviation: P = Pass NA = Not Applicable

Remark : The producer's/distributor's name was found on the packaging. However as specified in Section 7.1 of ASTM F963-23, the final product or its packaging must also be marked with the address/name.

= The results of section 5.1.2 for tracking label was referred to the correspondence test item.

3 Flammability test

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Sample	Ignition Point	Burn Length (inch)	Time (sec)	Burn Rate (inch/sec)	Limit (inch/sec)
Leg	End	2.0	60.00	0.03	0.1

The submitted toy samples were tested, the above result only showed the most severe burn rate of the samples.



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Tests Conducted

4 Physical and Mechanical Tests

As per European Standard on Safety of toys EN71-1:2014+A1:2018

Clause	Testing Items	Assessment
4	General requirements	
4.1	Material	P
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	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	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	P
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 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
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



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Clause	Testing Items	Assessment
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, inlineskates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to 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
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Remark: P = Pass NA = Not Applicable

= Age warning statement and indication of hazard was found on the packaging.

Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall 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.

	Toy	Packaging
Manufacturer's name	Absent	Present
Manufacturer's address	Absent	Absent
Importer's name	Absent	Absent
Importer's address	Absent	Absent
Product identification code	Absent	Present
CE-marking	Absent	Present



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5 Flammability Test

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

Clause	Testing Items	Assessment
4.1	General requirements	P
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

Remark: P = Pass NA = Not Applicable

6 Phthalate Content (U.S. ASTM F963-23)

As per Section 4.3.8 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-C1001-09.4 was used and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Item	CAS No.	Result					Units	D.L.	Limit
		2+3+4	5+6+7	8+9+10	11+12+13	14+15			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	ND	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	ND	ND	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	ND	%	0.01	0.1



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Test Item	CAS No.	Result					Units	D.L.	Limit
		16+17	18	19	-	-			
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	-	-	%	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	-	-	%	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	-	-	%	0.01	0.1
Di-isononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	-	-	%	0.01	0.1
Di-isobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	-	-	%	0.01	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	-	-	%	0.01	0.1
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	ND	ND	-	-	%	0.01	0.1
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	-	-	%	0.01	0.1

Remarks:

D.L. = Detection Limit

ND = Not Detected

Tested Components: See component list in the last section of this report.

The result of tested component(s) (19) is based on dry weight of testing sample.

7 Soluble Cadmium (Cd) content in Metal (small parts) (U.S. ASTM F963-23)

With reference to Section 4.3.5.2(2)(d) and 8.3.5.5(3) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-E1004-11 was used and soluble cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Assessment: As no metallic toys or metallic toy components which are small parts were found in the submitted samples, no soluble Cadmium testing has been performed for U.S. ASTM F963-23 on soluble Cadmium content.



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8 Heavy Elements Analysis (U.S. ASTM F963-23)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Non-modelling clay

Test Item	Result					Units	D.L.	Limit
	2	3	4	5	6			
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	5	1000
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	5	90
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	75
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	5	60
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	5	500
Chromium (Cr)	ND	ND	ND	ND	ND	mg/kg	5	60
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	5	60
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	2.5	25
Test Item	Result					Units	D.L.	Limit
	7	8	9	10	11			
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	5	1000
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	5	90
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	75
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	5	60
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	5	500
Chromium (Cr)	ND	ND	ND	ND	ND	mg/kg	5	60
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	5	60
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	2.5	25
Test Item	Result					Units	D.L.	Limit
	12	13	14	15	16			
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	5	1000
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	5	90
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	75
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	5	60
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	5	500
Chromium (Cr)	ND	ND	ND	ND	ND	mg/kg	5	60
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	5	60
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	2.5	25



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Test Item	Result					Units	D.L.	Limit
	17	18	-	-	-			
Barium (Ba)	ND	6.6	-	-	-	mg/kg	5	1000
Lead (Pb)	ND	ND	-	-	-	mg/kg	5	90
Cadmium (Cd)	ND	ND	-	-	-	mg/kg	5	75
Antimony (Sb)	ND	ND	-	-	-	mg/kg	5	60
Selenium (Se)	ND	ND	-	-	-	mg/kg	5	500
Chromium (Cr)	ND	ND	-	-	-	mg/kg	5	60
Mercury (Hg)	ND	ND	-	-	-	mg/kg	5	60
Arsenic (As)	ND	ND	-	-	-	mg/kg	2.5	25

Remarks:

D.L. = Detection Limit

ND = Not Detected

The analytical results were adjusted by subtracting analytical correction factor.

Tested Components: See component list in the last section of this report.

9 Total Lead (Pb) Content in Surface Coating (U.S. ASTM F963-23)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Test Item	Result					Units	D.L.	Limit
	19	-	-	-	-			
Lead (Pb)	ND	-	-	-	-	mg/kg	10	90

Remarks:

D.L. = Detection Limit

ND = Not detected

Tested Components: See component list in the last section of this report.

The result of tested component(s) (19) is based on dry weight of testing sample.

10 Total Lead (Pb) Content in Non-Surface Coating (U.S. ASTM F963-23)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3 were used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry and/or Atomic Absorption Spectrometry.

Test Item	Result					Units	D.L.	Limit
	2+3+4	5+6+7	8+9+10	11+12+13	14+15			
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	100

Test Item	Result					Units	D.L.	Limit
	16+17	18	20	21	22			
Lead (Pb)	ND	ND	ND	67	30	mg/kg	10	100



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Remarks:

D.L. = Detection Limit

ND = Not Detected

Tested Components: See component list in the last section of this report.

11 19 Toxic Element Migration Test (EN 71-3:2019+A1:2021)

With reference to EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Test Item	Result					Units	D.L.	Limit
	2	3	4	5	6			
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000



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Test Item	Result					Units	D.L.	Limit
	7	8	9	10	11			
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000
Test Item	Result					Units	D.L.	Limit
	12	13	14	15	16			
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000
Tin (Sn)	4.5	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	NDA	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000



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Tests Conducted

Test Item	Result					Units	D.L.	Limit
	17	18	-	-	-			
Aluminium (Al)	ND	545	-	-	-	mg/kg	300	28130
Antimony (Sb)	ND	ND	-	-	-	mg/kg	10	560
Arsenic (As)	ND	ND	-	-	-	mg/kg	10	47
Barium (Ba)	ND	ND	-	-	-	mg/kg	10	18750
Boron (B)	ND	ND	-	-	-	mg/kg	50	15000
Cadmium (Cd)	ND	ND	-	-	-	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	-	-	-	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	-	-	-	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	-	-	-	mg/kg	10	130
Copper (Cu)	ND	ND	-	-	-	mg/kg	10	7700
Lead (Pb)	ND	ND	-	-	-	mg/kg	10	23
Manganese (Mn)	ND	ND	-	-	-	mg/kg	10	15000
Mercury (Hg)	ND	ND	-	-	-	mg/kg	10	94
Nickel (Ni)	ND	ND	-	-	-	mg/kg	10	930
Selenium (Se)	ND	ND	-	-	-	mg/kg	10	460
Strontium (Sr)	ND	ND	-	-	-	mg/kg	100	56000
Tin (Sn)	6.6	ND	-	-	-	mg/kg	2.5	180000
Organic tin++	ND Δ	ND	-	-	-	mg/kg	5	12
Zinc (Zn)	ND	ND	-	-	-	mg/kg	100	46000

Remarks:

D.L. = Detection Limit

++ = Unless the test results were marked with " Δ ", Organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected

= The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

 Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN 71-3:2019+A1:2021.


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Tests Conducted

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 play. 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 colouring pencils, chalk, crayons, modelling 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).

Tested Components: See component list in the last section of this report.



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Tests Conducted

Component List

No.	Test Component Description(s)
(1)	@ White coating on plastic (letter of piano of both styles).
(2)	Bright blue plastic (stool, pedestal of stool, body of piano of blue style).
(3)	Dark yellow plastic (pillar of stool of both styles).
(4)	Matt blue plastic (body of microphone of blue style).
(5)	Matt light blue plastic (back of piano, holder of blue style).
(6)	Light yellow plastic (switch, button of piano of both style).
(7)	Transparent purple plastic (lid of light of piano of both style).
(8)	White plastic (body, key of piano of both style).
(9)	Bright black plastic (key of piano of both style).
(10)	Dull yellow plastic (top of microphone, button, hander of microphone of both style).
(11)	Yellow soft plastic (covering wire of microphone of both style).
(12)	Yellow soft plastic (plug of microphone of both style).
(13)	Bright yellow plastic (spindle of both style).
(14)	Bright pink plastic (stool, pedestal of stool, body of piano of pink style).
(15)	Matt pink plastic (back of piano, holder of pink style).
(16)	Matt dark pink plastic (body of microphone of pink style).
(17)	Black plastic (washer of plug of microphone of both styles).
(18)	White paper label with transparent film and inaccessible coating (sticker of both styles).
(19)	White wet paint (part used of letter of piano of both styles).
(20)	Sliver color metal (screw of battery box of both style).
(21)	Sliver color metal (base of plug of both style).
(22)	Sliver color metal (screw of battery box of both style).

@: Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch. The testing data and result issued by this report are just for scientific research, teaching, internal quality control, product research and development etc. on reference only in the territory of the People's Republic of China.



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