

## TEST REPORT

**APPLICANT** : LOONEY LABS  
**ADDRESS** : 4920 NIAGAR ROAD, SUITE 405 COLLEGE PARK,  
MD 20740  
**SAMPLE DESCRIPTION** : LOONEY LABS PYRAMID ARCADE GAME  
**STYLE / ITEM NO.** : LOO-074  
**PO NO.** : 2050  
**MANUFACTURER** : TAI FAT BAKELITE IND. LTD  
**COUNTRY OF ORIGIN** : CHINA  
**COUNTRY OF DESTINATION** : US  
**AGE REQUESTED ON APPLICATION FORM** : 8+  
**LABELED AGE GRADE** : 8+  
**AGE GRADE APPLIED IN TESTING** : OVER 8 YEARS  
**SAMPLE RECEIVED DATE** : AUG. 22, 2016; AUG. 29, 2016  
**TEST PERIOD** : AUG. 25, 2016 TO SEP. 01, 2016  
**RESULT SUMMARY** : PLEASE REFER TO NEXT PAGE(S)

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

SIGNED FOR AND ON BEHALF OF  
EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO. LTD.



Jamie Zhang  
Toy Physical Team Leader



Harry Chen  
Assistant Lab Manager



Coco Luo  
Assistant Lab Manager



This test report is valid for the tested samples only. Without permission of the test center this test report is not permitted to be duplicated in extracts.  
This test report does not entitle to carry any safety mark on this or similar products.

**RESULT SUMMARY**

<b>TEST REQUESTED</b>	<b>RESULT</b>
- EN 71 – 1: 2014 Mechanical and physical properties	PASS
- EN 71 – 2: 2011 + A1: 2014 Flammability	PASS
- EN 71 – 3: 2013 + A1: 2014 Migration of Certain Elements	PASS
- Phthalates according to Entry 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).	PASS
- In accordance with ASTM F963-11 Standard Consumer Safety Specification for Toy Safety:	-
Physical and Mechanical Test	PASS
Flammability Test	PASS
Total Lead Content and Migration of Certain Elements Test	PASS
- Total Lead Content according to US Consumer Product Safety Improvement Act 2008 (CPSIA).	PASS
- Phthalates according to US Consumer Product Safety Improvement Act 2008 (CPSIA).	PASS
- Phthalates according to California Proposition 65, Sacramento Superior Court, 07AS04683 / Alameda Superior Court, BG07350969, RG08367601, RG07351032 and RG08378050.	PASS

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**Material list**

Testing material No.	Component	Material	Colour
1a	Printing on book	Printing	Multi-color
1b	Book	Paper	White
2	Staple of book	Metal	Silvery
3	Coating on bag	Coating	White
4	Bag	Textile	Purple
5	String of bag	Textile	White
6	Plastic board	Plastic	White
7a	Coating on world war 5 board	Printing	Multi-color
7b	World war 5 board	Paper/glue	White and gray/glue
8a	Printing on zark city cards	Printing	Black and white
8b	Printing on cards	Printing	Multi-color
8c	Zark city cards	Paper	White and bluish violet
9a	Printing on box of zark city cards	Printing	Black and white
9b	Box of zark city cards	Paper /glue	White and beige /clear
10a	Printing on game board	Printing	Multi-color
10b	Surface of game board	Paper	White and gray
11	Film of sticker	Plastic /coating	Clear /multi-color
12	Sticker	Paper/glue	White /clear
13	Coating on dice	Coating	White
14	Coating on dice	Coating	Black
15	Coating on dice	Coating	Purple
16	Coating on dice	Coating	Red
17	Coating on dice	Coating	Sky blue
18	Coating on dice	Coating	Green
19	Coating on dice	Coating	Yellow
20	Dice	Plastic	Black
21	Dice	Plastic	White
22	Token	Metal	Silvery
23	Stars	Plastic	Black
24	Stars	Plastic	White
25	Stars	Plastic	Transparent yellow
26	Stars	Plastic	Transparent deep blue
27	Stars	Plastic	Transparent light blue
28	Stars	Plastic	Transparent purple
29	Stars	Plastic	Transparent green
30	Stars	Plastic	Transparent orange
31	Stars	Plastic	Transparent red
32	Stars	Plastic	Transparent
33	Tray	Plastic	Black
34a	Printing on box	Printing	Multi-color
34b	Surface of box	Paper/glue	White and gray/clear

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**EN 71 – 1: 2014 Safety of Toys - Mechanical and physical properties**

Clause	Requirement	Result
<b>4</b>	<b>General requirements</b>	
4.1	Material cleanliness	P
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	N/A
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A
4.14.1	Toys which a child can enter	N/A
4.14.2	Masks and helmets	N/A
4.15.1	Toys propelled by a child or by other means	N/A
4.15.2	Toy bicycles	N/A
4.15.3	Rocking horses and similar toys	N/A
4.15.4	Toys not propelled by a child	N/A
4.15.5	Toy scooters	N/A

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

 4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

Clause	Requirement	Result
4.16	Heavy immobile toys	N/A
4.17.1	Projectiles general	N/A
4.17.2	Projectile toys without stored energy	N/A
4.17.3	Projectile toys with stored energy	N/A
4.17.4	Bows and arrows	N/A
4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23.1	Magnets general	N/A
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	N/A
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	N/A
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
<b>5</b>	<b>Toy intended for children under 36 months</b>	
5.1	General requirements	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

Clause	Requirement	Result
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped toys	N/A
5.13	Suction cups	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
<b>6</b>	<b>Packaging</b>	P
<b>7</b>	<b>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. Only English was reviewed)</b>	
7.1	General	P
7.2	Toys not intended for children under 36 months	N/A
7.3	Latex balloons	N/A
7.4	Aquatic toys	N/A
7.5	Functional toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7.1	Toys with projectiles which are able to discharge an object other than that provided with the toy	N/A
7.7.2	Toys capable of discharging a projectile with a kinetic energy greater than 0.08 J	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10.1	Roller skates, inline skates and skateboards	N/A
7.10.2	Ride-on toys without a braking device	N/A
7.10.3	Electrically-driven ride-on toys	N/A
7.10.4	Instructions for use	N/A
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	N/A

\*\*\*TO BE CONTINUED\*\*\*

Clause	Requirement	Result
7.12	Liquid-filled teethers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toy bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy Scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.21	Toys with electrical cables exceeding 300 mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A

Note: P = Pass N/A = Not Applicable

The Toys Safety Directive 2009/48/EC contains marking and labeling requirements with respect to CE marking, importer's & manufacturer's name and address, product identification and washing instruction of the toy. These are not part of the EN 71 requirements but are legally required:

Markings and information required by Directive 2009/48/EC		Location	Result
1	CE mark	Packaging	Present
2	Importer's name and address	Packaging	Present
	Manufacturer's name and address	Packaging	Present
3	Product identification	Packaging	Present
4	Washing/Cleaning instruction	/	Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**EN 71 - 2: 2011 + A1: 2014 Safety of Toys – Flammability**

Clause	Requirement	Result
<b>4</b>	<b>Requirements</b>	
4.1	General requirements	P
4.2	Toys to be worn on the head	
4.2.2	Beards, moustaches, wigs etc., made from hair, pile or material with similar features(e.g. free hanging ribbons, paper, cloth strands or other flowing elements), which protrude 50 mm or more from the surface of the toy	N/A
4.2.3	Beards, moustaches, wigs etc., made from hair, pile or material with similar features(e.g. free hanging ribbons, paper, cloth strands or other flowing elements), which protrude less than 50 mm from the surface of the toy	N/A
4.2.4	Full or partial moulded head masks	N/A
4.2.5	Flowing elements of toys to be worn on the head(except those covered by 4.2.2 and 4.2.3), hoods, head-dresses etc. and masks not covered by 4.2.4 which partially or fully cover the head(e.g. fabric and cardboard masks, eye masks, face masks), but excluding those items covered by 4.3	N/A
4.3	Toy disguise costumes and toys intended to be worn by a child in play	N/A
4.4	Toys intended to be entered by a child	N/A
4.5	Soft-filled toys	N/A

Note: P = Pass    N/A = Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)



**EN 71-3:2013 + A1: 2014 - Migration of Certain Elements**

Test method : With reference to EN 71-3:2013 + A1: 2014 Migration of certain elements.  
 General Elements analysis was performed by ICP-MS.  
 Soluble Chromium(VI) analysis was performed by HPLC-ICP-MS.  
 Soluble Organic Tin analysis was performed by GC-MS.

Element	Limit(mg/kg Category III)	MDL (mg/kg)	Material Test Result (mg/kg)				
			1(a+b)	3 (*1) (30.3mg)	4	5	6
Soluble Aluminium (Al)	70000	10	N.D.	308	39	19	N.D.
Soluble Antimony (Sb)	560	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	47	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	18750	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Boron (B)	15000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	17	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium III (Cr III)	460	5	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D.
Soluble Chromium VI (Cr VI)	0.2	0.2	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D.
Soluble Cobalt (Co)	130	10	N.D.	12	N.D.	N.D.	N.D.
Soluble Copper(Cu)	7700	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Lead (Pb)	160	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Manganese (Mn)	15000	10	13	24	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	94	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Nickel (Ni)	930	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	460	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Strontium (Sr)	56000	10	65	28	10	N.D.	N.D.
Soluble Tin (Sn)	180000	4.9	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Organic Tin	12	0.1	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>
Soluble Zinc (Zn)	46000	10	N.D.	51	11	N.D.	N.D.

Element	Limit(mg/kg Category III)	MDL (mg/kg)	Material Test Result (mg/kg)				
			7(a+b)	8(a+b+c)	9(a+b)	10(a+b)	11 (*1) (92.4mg)
Soluble Aluminium (Al)	70000	10	859	326	3.3x10 <sup>3</sup>	511	286
Soluble Antimony (Sb)	560	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	47	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	18750	10	17	N.D.	11	17	N.D.
Soluble Boron (B)	15000	10	15	N.D.	N.D.	201	N.D.
Soluble Cadmium (Cd)	17	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium III (Cr III)	460	5	7 <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	45 <sup>Δ</sup>	N.D. <sup>Δ</sup>
Soluble Chromium VI (Cr VI)	0.2	0.2	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>
Soluble Cobalt (Co)	130	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Copper(Cu)	7700	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Lead (Pb)	160	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Manganese (Mn)	15000	10	68	17	43	76	13
Soluble Mercury (Hg)	94	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Nickel (Ni)	930	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	460	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Strontium (Sr)	56000	10	119	72	102	111	N.D.
Soluble Tin (Sn)	180000	4.9	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Organic Tin	12	0.1	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>
Soluble Zinc (Zn)	46000	10	37	N.D.	20	18	18

\*\*\*TO BE CONTINUED\*\*\*

Eurofins Testing Technology (Shenzhen) Co. Ltd.

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

Element	Limit(mg/kg Category III)	MDL (mg/kg)	Material Test Result (mg/kg)				
			12	13 (*1) (19.9mg)	14(*2)	15(*2)	16(*2)
Soluble Aluminium (Al)	70000	10	2.5x10 <sup>2</sup>	165	-	-	-
Soluble Antimony (Sb)	560	10	N.D.	N.D.	-	-	-
Soluble Arsenic (As)	47	10	N.D.	N.D.	-	-	-
Soluble Barium (Ba)	18750	10	16	455	-	-	-
Soluble Boron (B)	15000	10	N.D.	N.D.	-	-	-
Soluble Cadmium (Cd)	17	10	N.D.	N.D.	-	-	-
Soluble Chromium III (Cr III)	460	5	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	-	-	-
Soluble Chromium VI (Cr VI)	0.2	0.2	N.D. <sup>Δ</sup>	N.D. <sup>Δ</sup>	-	-	-
Soluble Cobalt (Co)	130	10	N.D.	N.D.	-	-	-
Soluble Copper(Cu)	7700	10	N.D.	N.D.	-	-	-
Soluble Lead (Pb)	160	10	N.D.	N.D.	-	-	-
Soluble Manganese (Mn)	15000	10	25	N.D.	-	-	-
Soluble Mercury (Hg)	94	10	N.D.	N.D.	-	-	-
Soluble Nickel (Ni)	930	10	N.D.	N.D.	-	-	-
Soluble Selenium (Se)	460	10	N.D.	N.D.	-	-	-
Soluble Strontium (Sr)	56000	10	16	12	-	-	-
Soluble Tin (Sn)	180000	4.9	N.D.	N.D.	-	-	-
Soluble Organic Tin	12	0.1	--	--	-	-	-
Soluble Zinc (Zn)	46000	10	N.D.	66	-	-	-

Element	Limit(mg/kg Category III)	MDL (mg/kg)	Material Test Result (mg/kg)				
			17(*2)	18(*2)	19(*2)	20	21
Soluble Aluminium (Al)	70000	10	-	-	-	80	N.D.
Soluble Antimony (Sb)	560	10	-	-	-	N.D.	N.D.
Soluble Arsenic (As)	47	10	-	-	-	N.D.	N.D.
Soluble Barium (Ba)	18750	10	-	-	-	N.D.	N.D.
Soluble Boron (B)	15000	10	-	-	-	N.D.	N.D.
Soluble Cadmium (Cd)	17	10	-	-	-	N.D.	N.D.
Soluble Chromium III (Cr III)	460	5	-	-	-	N.D. <sup>Δ</sup>	N.D.
Soluble Chromium VI (Cr VI)	0.2	0.2	-	-	-	N.D. <sup>Δ</sup>	N.D.
Soluble Cobalt (Co)	130	10	-	-	-	N.D.	N.D.
Soluble Copper(Cu)	7700	10	-	-	-	51	N.D.
Soluble Lead (Pb)	160	10	-	-	-	N.D.	N.D.
Soluble Manganese (Mn)	15000	10	-	-	-	N.D.	N.D.
Soluble Mercury (Hg)	94	10	-	-	-	N.D.	N.D.
Soluble Nickel (Ni)	930	10	-	-	-	N.D.	N.D.
Soluble Selenium (Se)	460	10	-	-	-	N.D.	N.D.
Soluble Strontium (Sr)	56000	10	-	-	-	N.D.	N.D.
Soluble Tin (Sn)	180000	4.9	-	-	-	N.D.	N.D.
Soluble Organic Tin	12	0.1	-	-	-	--	--
Soluble Zinc (Zn)	46000	10	-	-	-	61	N.D.

\*\*\*TO BE CONTINUED\*\*\*

Eurofins Testing Technology (Shenzhen) Co. Ltd.

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

Element	Limit(mg/kg Category III)	MDL (mg/kg)	Material Test Result (mg/kg)				
			23	24	25	26	27
Soluble Aluminium (Al)	70000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	560	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	47	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	18750	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Boron (B)	15000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	17	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium III (Cr III)	460	5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium VI (Cr VI)	0.2	0.2	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cobalt (Co)	130	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Copper(Cu)	7700	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Lead (Pb)	160	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Manganese (Mn)	15000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	94	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Nickel (Ni)	930	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	460	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Strontium (Sr)	56000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Tin (Sn)	180000	4.9	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Organic Tin	12	0.1	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>
Soluble Zinc (Zn)	46000	10	N.D.	N.D.	N.D.	N.D.	N.D.

Element	Limit(mg/kg Category III)	MDL (mg/kg)	Material Test Result (mg/kg)				
			28	29	30	31	32
Soluble Aluminium (Al)	70000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	560	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Arsenic (As)	47	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Barium (Ba)	18750	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Boron (B)	15000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	17	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium III (Cr III)	460	5	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Chromium VI (Cr VI)	0.2	0.2	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Cobalt (Co)	130	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Copper(Cu)	7700	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Lead (Pb)	160	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Manganese (Mn)	15000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	94	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Nickel (Ni)	930	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Selenium (Se)	460	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Strontium (Sr)	56000	10	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Tin (Sn)	180000	4.9	N.D.	N.D.	N.D.	N.D.	N.D.
Soluble Organic Tin	12	0.1	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>	-- <sup>^</sup>
Soluble Zinc (Zn)	46000	10	N.D.	N.D.	N.D.	N.D.	N.D.

\*\*\*TO BE CONTINUED\*\*\*

Eurofins Testing Technology (Shenzhen) Co. Ltd.

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

Element	Limit(mg/kg Category III)	MDL (mg/kg)	Material Test Result (mg/kg)	
			33	34(a+b)
Soluble Aluminium (Al)	70000	10	N.D.	1.9x10 <sup>3</sup>
Soluble Antimony (Sb)	560	10	N.D.	N.D.
Soluble Arsenic (As)	47	10	N.D.	N.D.
Soluble Barium (Ba)	18750	10	N.D.	32
Soluble Boron (B)	15000	10	N.D.	217
Soluble Cadmium (Cd)	17	10	N.D.	N.D.
Soluble Chromium III (Cr III)	460	5	N.D.	7 <sup>Δ</sup>
Soluble Chromium VI (Cr VI)	0.2	0.2	N.D.	N.D. <sup>Δ</sup>
Soluble Cobalt (Co)	130	10	N.D.	N.D.
Soluble Copper(Cu)	7700	10	N.D.	N.D.
Soluble Lead (Pb)	160	10	N.D.	N.D.
Soluble Manganese (Mn)	15000	10	N.D.	105
Soluble Mercury (Hg)	94	10	N.D.	N.D.
Soluble Nickel (Ni)	930	10	N.D.	N.D.
Soluble Selenium (Se)	460	10	N.D.	N.D.
Soluble Strontium (Sr)	56000	10	N.D.	92
Soluble Tin (Sn)	180000	4.9	N.D.	N.D.
Soluble Organic Tin	12	0.1	-- <sup>^</sup>	-- <sup>^</sup>
Soluble Zinc (Zn)	46000	10	N.D.	74

Note: - 1 mg/kg = 1 ppm = 0.0001%

- N.D. = Not Detected

- MDL = Method Detection Limit

- Unless specified, determination of Chromium (III) and Chromium (VI) was based on elemental analysis.

- The reported soluble organic tin value was calculated by summation of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, Monoctyl tin, Dioctyl tin, Dipropyl tin, Diphenyl tin and Triphenyl tin.

- <sup>^</sup> Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN71-3: 2013 + A1: 2014.

Remark:

\*1. The weight of sample marked (\*1) available was less than 100mg, but greater than 10mg, so result was calculated as if 100mg of the sample was available.

\*2. The weight of sample marked (\*2) available was less than 10mg, so the test for soluble heavy metal content was not performed.

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**Phthalates (REACH)**

Test method : Extraction by organic solvent, determination by GC-MS.

Limit : See below - according to Entry 51 and 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).

Detection limit : 0.005% per substance

A: For toys and childcare articles:

Test No.			Phthalates-1	Phthalates-2	Phthalates-3	Phthalates-4
Material No.			1a+3+7a	8a+8b+9a	10a+13+14	15+16+17
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	0.009	0.011	N.D.	N.D.
Sum (DBP + BBP + DEHP)	--	%	0.009	0.011	N.D.	N.D.
<b>Limit (sum)</b>	--	%	0.1	0.1	0.1	0.1

B: Additional requirements for toys and childcare articles, which can be placed in the mouth by children:

Test No.			Phthalates-1	Phthalates-2	Phthalates-3	Phthalates-4
Material No.			1a+3+7a	8a+8b+9a	10a+13+14	15+16+17
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.	N.D.	N.D.
Sum (DNOP+ DIDP+ DINP)	--	%	N.D.	N.D.	N.D.	N.D.
<b>Limit (sum)</b>	--	%	0.1	0.1	0.1	0.1

\*\*\*TO BE CONTINUED\*\*\*

Eurofins Testing Technology (Shenzhen) Co. Ltd.

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

A: For toys and childcare articles:

Test No.			Phthalates-5	Phthalates-6	Phthalates-7	Phthalates-8
Material No.			18+19+34a	6+11+12	20+21	23+24+25
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.
Sum (DBP + BBP + DEHP)	--	%	N.D.	N.D.	N.D.	N.D.
<b>Limit (sum)</b>	--	%	0.1	0.1	0.1	0.1

B: Additional requirements for toys and childcare articles, which can be placed in the mouth by children:

Test No.			Phthalates-5	Phthalates-6	Phthalates-7	Phthalates-8
Material No.			18+19+34a	6+11+12	20+21	23+24+25
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.	N.D.	N.D.
Sum (DNOP+ DIDP+ DINP)	--	%	N.D.	N.D.	N.D.	N.D.
<b>Limit (sum)</b>	--	%	0.1	0.1	0.1	0.1

A: For toys and childcare articles:

Test No.			Phthalates-9	Phthalates-10	Phthalates-11	Phthalates-12
Material No.			26+27+28	29+30+31	32+33	7b+9b+34b
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.
Sum (DBP + BBP + DEHP)	--	%	N.D.	N.D.	N.D.	N.D.
<b>Limit (sum)</b>	--	%	0.1	0.1	0.1	0.1

B: Additional requirements for toys and childcare articles, which can be placed in the mouth by children:

Test No.			Phthalates-9	Phthalates-10	Phthalates-11	Phthalates-12
Material No.			26+27+28	29+30+31	32+33	7b+9b+34b
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.	N.D.	N.D.
Sum (DNOP+ DIDP+ DINP)	--	%	N.D.	N.D.	N.D.	N.D.
<b>Limit (sum)</b>	--	%	0.1	0.1	0.1	0.1

Note: - 1 mg/kg = 1 ppm = 0.0001%  
 - N.D. = Not Detected

\*\*\*TO BE CONTINUED\*\*\*

Eurofins Testing Technology (Shenzhen) Co. Ltd.

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**ASTM F963-11, Standard Consumer Safety Specification for Toy Safety**

Section	Requirement	Result
4	Safety Requirements	
4.1	Material Quality	P
4.2	Flammability	P
4.3	Toxicology	
4.3.1	Hazardous Substances	N/A
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.4	Cosmetics	N/A
4.3.5	Total Lead Content and Migration of Certain Elements (See data table for detailed results.)	P
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, and Powders	N/A
4.3.7	Stuffing Materials(Visual Inspection)	N/A
4.3.8	DEHP(DOP)	N/A
4.4	Electrical/Thermal Energy	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	N/A
4.7	Accessible Edges	P
4.8	Projections	N/A
4.9	Accessible Points	P
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Plastic Film	P
4.13	Folding Mechanisms and Hings	
4.13.1	Folding Mechanisms	N/A
4.13.2	Hing-Line Clearance	N/A
4.14	Cords, Straps, and Elastics	
4.14.1	Cords, Straps, and Elastics in Toys	N/A
4.14.2	Self Retracting Pull Cords	N/A

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

 4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

Section	Requirement	Result
4.14.3	Pull Toys	N/A
4.14.4	Strings and Lines for Flying Devices	N/A
4.14.5	Cords on Toy Bags Intended for Children Up to 18 Months	N/A
4.15	Stability and Over-Load Requirements	
4.15.1	Stability of Ride-On Toys and Toy Seats	N/A
4.15.2	Sideways Stability Requirements	N/A
4.15.3	Fore and Aft Stability	N/A
4.15.4	Stability of Stationary Floor Toys	N/A
4.15.5	Overload Requirements for Ride-On Toys and Toy Seats	N/A
4.15.6	Wheeled Ride-On Toys	N/A
4.16	Confined Spaces	
4.16.1	Ventilation	N/A
4.16.2	Closures	N/A
4.16.3	Toys that Enclose the Head	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearance, and Accessibility of Mechanisms	
4.18.1	Accessible Clearances for Moveable Segments	N/A
4.18.2	Circular Holes in Rigid Materials	N/A
4.18.3	Chains and Belts	N/A
4.18.4	Inaccessibility of Mechanisms	N/A
4.18.5	Winding Keys	N/A
4.18.6	Coil Springs	N/A
4.19	Simulated Protective Devices(such as helmets, hats, and goggles)	N/A
4.20	Pacifiers	N/A
4.20.1	Pacifiers Nitrosamine Content	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)



<b>Section</b>	<b>Requirement</b>	<b>Result</b>
4.25	Battery-Operated Toys	N/A
4.25.10	Battery-Powered Ride-On Toys	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.29	Art Materials (Label review only)	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys with Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
<b>5</b>	<b>Labeling Requirements</b>	
5.2	Age Grading Labeling	N/A
5.3	Safety Labeling Requirements	N/A
5.4	Aquatic Toys	N/A
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled By and Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges or Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	N/A
5.12	Toy Caps	N/A

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

Section	Requirement	Result
5.13	Art Materials	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	N/A
5.16	Promotional Materials	P
5.17	Magnets	N/A
6	Instructional Literature	
6.1	Definition and Description	P
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled By a Adult	N/A
6.5	Battery-Operated Toys	N/A
6.6	Toys in Contact with Food	N/A
7	Producer's Markings	
7.1	Producer's Markings	P
7.2	Battery-Powered Ride-on Toys	N/A
8	Test methods	
8.5	Normal Use Testing	P
8.7.1	Drop Test	N/A
8.7.2	Tip over Test for Large, Bulky Toys	N/A
8.7.3	Tumble Test for Wheeled Toys	N/A
8.7.4	Impact Test for Toys that Cover the Face	N/A
8.8	Torque Tests for Removal of Components	N/A
8.9	Tension Test for Removed of Components	N/A
8.9.1	Tension Test for Seams in Stuffed Toys and Beanbag Type Toys	N/A
8.10	Compression Test	N/A
8.11	Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal	N/A
8.12	Flexure Test	N/A
8.13	Test for Mouth-Actuated Toys	N/A

Note: P = Pass    F = Fail    N/A = Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**ASTM F963-11 4.3.5.1(1), Total Lead Content in Paint and Similar Surface-coating Materials**

Test method : CPSC-CH-E1003-09.1  
 The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : 90 mg/kg – according to ASTM F963-11 Standard Consumer Safety Specification for Toy Safety.

Detection Limit : 10 mg/kg

Test No.	Material No.	Test result (mg/kg)
Pb-1	1a+3+7a	N.D.
Pb-2	8a+8b+9a	N.D.
Pb-3	10a+13+14	N.D.
Pb-4	15+16+17	N.D.
Pb-5	18+19+34a	N.D.

**ASTM F963-11 4.3.5.2(2)(a), Total Lead Content in Accessible Component Parts**

Test method : CPSC-CH-E1001-08.3; CPSC-CH-E1002-08.3  
 The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : 100 mg/kg – according to ASTM F963-11 Standard Consumer Safety Specification for Toy Safety.

Detection Limit : 10 mg/kg

Test No.	Material No.	Test result (mg/kg)
Pb-6	6+11+12	N.D.
Pb-7	20+21	N.D.
Pb-8	23+24+25	N.D.
Pb-9	26+27+28	N.D.
Pb-10	29+30+31	N.D.
Pb-11	32+33	N.D.
Pb-12	7b+9b+34b	N.D.
Pb-13	2	N.D.
Pb-14	22	82

Note: - 1 mg/kg = 1 ppm = 0.0001%  
 - N.D. = Not Detected

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**ASTM F963-11 4.3.5.1(2), Migration of Certain Elements in Paint and Similar Surface-coating Materials**

Test method : As per ASTM F963-11, soluble toxic element contents are determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Detection limit : 2.5 mg/kg for each of the 8 soluble toxic elements

Test No.	Material No.	Testing element								
		As	Ba	Cd	Cr	Hg	Pb	Sb	Se	
		Limit (mg/kg)								
		25	1000	75	60	60	90	60	500	
Test result (mg/kg)										
1	1a	N.D.	17	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2	3 (30.3mg) (*3)	N.D.	6.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3	7a	N.D.	6.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4	8a	N.D.	3.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5	8b	N.D.	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
6	9a	N.D.	4.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
7	10a	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
8	13 (19.9mg) (*3)	N.D.	455	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
9	14 (*4)	-	-	-	-	-	-	-	-	-
10	15 (*4)	-	-	-	-	-	-	-	-	-
11	16 (*4)	-	-	-	-	-	-	-	-	-
12	17 (*4)	-	-	-	-	-	-	-	-	-
13	18 (*4)	-	-	-	-	-	-	-	-	-
14	19 (*4)	-	-	-	-	-	-	-	-	-
15	34a	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note: - 1 mg/kg = 1 ppm = 0.0001%

- N.D. = Not Detected

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**ASTM F963-11 4.3.5.2(2)(b), Migration of Certain Elements in Accessible Component Parts**

Test method : As per ASTM F963-11, soluble toxic element contents are determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Detection limit : 2.5 mg/kg for each of the 8 soluble toxic elements

Test No.	Material No.	Testing element							
		As	Ba	Cd	Cr	Hg	Pb	Sb	Se
		Limit (mg/kg)							
		25	1000	75	60	60	90	60	500
Test result (mg/kg)									
16	4	N.D.	4.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
17	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
18	6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
19	7b	N.D.	12	N.D.	14	N.D.	N.D.	N.D.	N.D.
20	9b	N.D.	33	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
21	11 (92.4mg) (*3)	N.D.	7.5	N.D.	N.D.	N.D.	N.D.	4.0	N.D.
22	12	N.D.	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
23	20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
24	21	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
25	23	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
26	24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
27	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
28	26	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
29	27	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
30	28	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
31	29	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
32	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
33	31	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
34	32	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
35	33	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
36	34b	N.D.	18	N.D.	9.0	N.D.	N.D.	N.D.	N.D.

Note: - 1 mg/kg = 1 ppm = 0.0001%  
 - N.D. = Not Detected

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**Remark:**

\*3. The weight of sample marked (\*3) available was less than 100mg, but greater than 10mg, so result was calculated as if 100mg of the sample was available.

\*4. The weight of sample marked (\*4) available was less than 10mg, so the test for soluble heavy metal content was not performed.

**Total Lead Content (CPSIA)**

Test method : CPSC-CH-E1001-08.3; CPSC-CH-E1002-08.3; CPSC-CH-E1003-09.1  
The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : For surface coating materials: 90 mg/kg  
For non-surface coating (substrate): 100 mg/kg  
- according to US Consumer Product Safety Improvement Act 2008 (CPSIA Sec.101).

Detection limit : 10 ppm

Test No.	Material No.	Test result (mg/kg)
Pb-1	1a+3+7a	N.D.
Pb-2	8a+8b+9a	N.D.
Pb-3	10a+13+14	N.D.
Pb-4	15+16+17	N.D.
Pb-5	18+19+34a	N.D.
Pb-6	6+11+12	N.D.
Pb-7	20+21	N.D.
Pb-8	23+24+25	N.D.
Pb-9	26+27+28	N.D.
Pb-10	29+30+31	N.D.
Pb-11	32+33	N.D.
Pb-12	7b+9b+34b	N.D.
Pb-13	2	N.D.
Pb-14	22	82

Note: - 1 mg/kg = 1 ppm = 0.0001%  
- N.D. = Not Detected

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China  
Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**Phthalates (CPSIA)**

Test method : CPSIA Sec.108, CPSC-CH-C1001-09.3.

Limit : 0.1% per substance - according to US Consumer Product Safety Improvement Act 2008 (CPSIA).

Detection limit : 0.005% per substance

A: For toys and childcare articles:

Test No.			Phthalates-1	Phthalates-2	Phthalates-3	Phthalates-4
Material No.			1a+3+7a	8a+8b+9a	10a+13+14	15+16+17
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	0.009	0.011	N.D.	N.D.

B: Additional requirements for toys and childcare articles, which can be placed in the mouth by children:

Test No.			Phthalates-1	Phthalates-2	Phthalates-3	Phthalates-4
Material No.			1a+3+7a	8a+8b+9a	10a+13+14	15+16+17
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.	N.D.	N.D.

A: For toys and childcare articles:

Test No.			Phthalates-5	Phthalates-6	Phthalates-7	Phthalates-8
Material No.			18+19+34a	6+11+12	20+21	23+24+25
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.

B: Additional requirements for toys and childcare articles, which can be placed in the mouth by children:

Test No.			Phthalates-5	Phthalates-6	Phthalates-7	Phthalates-8
Material No.			18+19+34a	6+11+12	20+21	23+24+25
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.	N.D.	N.D.

\*\*\*TO BE CONTINUED\*\*\*

Eurofins Testing Technology (Shenzhen) Co. Ltd.

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

A: For toys and childcare articles:

Test No.			Phthalates-9	Phthalates-10	Phthalates-11	Phthalates-12
Material No.			26+27+28	29+30+31	32+33	7b+9b+34b
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.

B: Additional requirements for toys and childcare articles, which can be placed in the mouth by children:

Test No.			Phthalates-9	Phthalates-10	Phthalates-11	Phthalates-12
Material No.			26+27+28	29+30+31	32+33	7b+9b+34b
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.	N.D.	N.D.

Note: - 1 mg/kg = 1 ppm = 0.0001%

- N.D. = Not Detected

\*\*\*TO BE CONTINUED\*\*\*

**Eurofins Testing Technology (Shenzhen) Co. Ltd.**

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)



**Phthalates (California Proposition 65)**

Test method : CPSIA Sec.108, CPSC-CH-C1001-09.3.

Limit : 0.1% per substance - according to California Proposition 65, Sacramento Superior Court, 07AS04683 / Alameda Superior Court, BG07350969, RG08367601, RG07351032 and RG08378050.

Detection Limit : 0.005 % per substance

Test No.			Phthalates-1	Phthalates-2	Phthalates-3	Phthalates-4
Material No.			1a+3+7a	8a+8b+9a	10a+13+14	15+16+17
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	0.009	0.011	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	N.D.	N.D.	N.D.	N.D.

Test No.			Phthalates-5	Phthalates-6	Phthalates-7	Phthalates-8
Material No.			18+19+34a	6+11+12	20+21	23+24+25
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	N.D.	N.D.	N.D.	N.D.

Test No.			Phthalates-9	Phthalates-10	Phthalates-11	Phthalates-12
Material No.			26+27+28	29+30+31	32+33	7b+9b+34b
Parameter	CAS No.	Unit	Test result	Test result	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	N.D.	N.D.	N.D.	N.D.

Note: - 1 mg/kg = 1 ppm = 0.0001%

- N.D. = Not Detected

\*\*\*TO BE CONTINUED\*\*\*

Eurofins Testing Technology (Shenzhen) Co. Ltd.

4/F, Building# 3, Runheng Dingfeng Industrial Park, No.1 Liuxian 3rd Road, Bao'an District, Shenzhen, P.R. China

 Tel.: +86 755 8358 5700 • Fax: +86 755 8358 5701 • Email: info.hk@eurofins.com • Website: [www.eurofins.com](http://www.eurofins.com) / [www.pt.eurofins.com](http://www.pt.eurofins.com)

**Other Information / Remark:**

N/A

**Photo Attachment****LOONEY LABS PYRAMID ARCADE GAME**

\*\*\*END OF THE REPORT\*\*\*