



CMA Testing and Certification Laboratories

廠商會檢定中心

TEST REPORT

Report No : AU0011849(1)

Date: 18 Mar 2016

Application No : LU006311(0)

Applicant : YOSHIRITSU CO., LTD.
1563 KOSHIBE, OYODO YOSHINO, NARA 638-0803 JAPAN

Sample Description : One hundred and twenty six (126) submitted samples stated to be used for :

Name of Parts :

- > - LaQ RED No.1-7
- > - LaQ BLUE No.1-7
- > - LaQ YELLOW No.1-7
- > - LaQ GREEN No.1-7
- > - LaQ PINK No.1-7
- > - LaQ SKY BLUE No.1-7
- > - LaQ ORANGE No.1-7
- > - LaQ LIME No.1-7
- > - LaQ WHITE No.1-7
- > - LaQ BLACK No.1-7
- > - LaQ BROWN No.1-7
- > - LaQ GRAY No.1-7
- > - LaQ CLEAR No.1-7
- > - LaQ CLEAR RED No.1-7
- > - LaQ CLEAR BLUE No.1-7
- > - LaQ CLEAR YELLOW No.1-7
- > - LaQ HAMACRON CONSTRUCTOR WHEEL
- > - LaQ HAMACRON CONSTRUCTOR SHAFT
- > - LaQ HAMACRON CONSTRUCTOR MINI WHEEL
- > - LaQ HAMACRON CONSTRUCTOR MINI SHAFT
- > - LaQ SWEET COLLECTION HEADBAND
- > - Blister Case ORANGE
- > - Blister Case BLUE
- > - Blister Case PINK
- > - Blister Case LIME
- > - Plastic Container

Item Name

- (A) LaQ BASIC 211
- (B) LaQ BASIC 801
- (C) LaQ MATHEMATICS
- (D) LaQ NUMBERS AND SHAPES

Promotion Name

LaQ PLAY DAY EVENT PARTS (25,000pcs)

Country of Origin : Japan

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature :

Cheung Chok Ming
Deputy Manager
Toys and Material Division

Wan Leong Hang
Deputy Manager
Toys and Material Division

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Report No : AU0011849(1)

Date: 18 Mar 2016

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Date Received : 22 Feb 2016.
11 Mar 2016.

Test Period : 29 Feb 2016 to 03 Mar 2016.
11 Mar 2016 to 15 Mar 2016.

Test Requested : I. Test in accordance with EN71 : Part 1 : 2014 - Physical and Mechanical Properties;
II. Test in accordance with EN71 : Part 2 : 2011 + A1 : 2014 – Flammability test;
III. Test in accordance with EN71 : Part 3 : 2013 + A1 : 2014 - Migration of certain elements (Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium (III), Chromium (VI), Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin, Organic Tin and Zinc).
IV. Test in accordance with ASTM F963-11 Standard of Consumer Safety Specification for Toy Safety :
- Physical and Mechanical Tests;
- Flammability test;
- Heavy Elements Test (Clause 4.3.5).
V. Lead content in accordance with U.S. Consumer Product Safety Improvement Act of 2008 – Sec. 101 : Children's Products Containing Lead; Lead Paint Rule.
VI. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012
- Cadmium content (formerly Directive 91/338/EEC).
VII. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII
- Phthalates contents (formerly Directive 2005/84/EC).
VIII. Phthalates contents in accordance with U.S. Consumer Product Safety Improvement Act of 2008 - Sec. 108 : Prohibition on Sale of Certain Products Containing Specified Phthalates.

For and on behalf of
CMA Industrial Development Foundation Limited

Authorized Signature :

Cheung Chok Ming
Deputy Manager
Toys and Material Division

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Deputy Manager
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Test Method : I, II & III. As stated in above specifications. Heavy metal analysis was determined by Atomic Absorption Spectrophotometry and/or Inductively Coupled Plasma Spectrometry (ICP-OES) and/or Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and/or Liquid Chromatograph-Inductively Coupled Plasma Mass Spectrometry (LC-ICP-MS).

IV. As stated in the above specification. Acid digestion followed by Atomic Absorption Spectrophotometry analysis and/or Inductively Coupled Plasma Spectrometry (ICP-OES) analysis for heavy elements analysis. Diluted acid extraction followed by Inductively Coupled Plasma Spectrometry (ICP-OES) analysis for soluble heavy element analysis.

V & VI. Acid digestion followed by Atomic Absorption Spectrophotometry and/or Inductively Coupled Plasma Spectrometry (ICP-OES) analysis.

VII & VIII. Phthalate analysis was determined by Gas Chromatography.

Test Result : Refer to the results on page 5 to 24.

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Conclusion :	<u>Test Item</u>	<u>Result</u>
I.	EN71 : Part 1 : 2014	Passed
II.	EN71 : Part 2 : 2011 + A1 : 2014	Passed
III.	EN71 : Part 3 : 2013+ A1 : 2014	Passed
IV.	ASTM F963-11 - Physical and Mechanical Tests - Heavy Elements Test (Clause 4.3.5)	Passed Passed
V.	Lead content in accordance with U.S. Consumer Product Safety Improvement Act of 2008 - Sec. 101 for substrate materials.	Passed
VI.	Cadmium content in accordance with Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012.	Passed
VII.	Phthalates contents in accordance with Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII.	Passed
VIII.	Phthalates contents in accordance with U.S. Consumer Product Safety Improvement Act of 2008 - Sec. 108 : Prohibition on Sale of Certain Products Containing Specified Phthalates	Passed

Remark : The submitted samples were requested by the client to be tested in composite form.
The results for composite sample are calculated based on the component with the
least weight.

For and on behalf of
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Test Result :

Labelled age group : Item "A", "B" and "C" : for ages 5 years and up;
Item "D" : for ages 3 years and up

Tested age group : For ages 3 years and up

I. EN71 : Part 1 : 2014 (for Item "A", "C" and "D" only)

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4	General requirements	
4.1	Material cleanliness	C
4.7	Edges	C
4.8	Points and metallic wires	C
6	Packaging	C
7	Warnings, markings and instructions for use	
7.1	General	C
7.2	Toys not intended for children under 36 months	C

I. EN71 : Part 1 : 2014 (for Item "B" only)

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4	General requirements	
4.1	Material cleanliness	C
4.7	Edges	C
4.8	Points and metallic wires	C
4.9	Protruding parts	C
6	Packaging	C
7	Warnings, markings and instructions for use	
7.1	General	C
7.2	Toys not intended for children under 36 months	C



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II. EN71 : Part 2 : 2011 + A1 : 2014

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.1	General requirements	C

Note : No cellulose nitrate and material with same behaviour in fire was detected

* Abbreviation : C = Complied



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Test Result :

III. EN 71 : Part 3 : 2013 + A1 : 2014

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		1	2	3	4	5	6
Aluminium (Al)	70,000	<100	<100	<100	<100	<100	<100
Antimony (Sb)	560	<5	<5	<5	<5	<5	<5
Arsenic (As)	47	<5	<5	<5	<5	<5	<5
Barium (Ba)	18,750	<20	<20	<20	<20	<20	<20
Boron (B)	15,000	<100	<100	<100	<100	<100	<100
Cadmium (Cd)	17	<5	<5	<5	<5	<5	<5
Chromium (III)	460	<1	<1	<1	<1	<1	<1
Chromium (VI)	0.2	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Cobalt (Co)	130	<5	<5	<5	<5	<5	<5
Copper (Cu)	7,700	<5	<5	<5	<5	<5	<5
Lead (Pb)	160	<5	<5	<5	<5	<5	<5
Manganese (Mn)	15,000	<100	<100	<100	<100	<100	<100
Mercury (Hg)	94	<5	<5	<5	<5	<5	<5
Nickel (Ni)	930	<5	<5	<5	<5	<5	<5
Selenium (Se)	460	<5	<5	<5	<5	<5	<5
Strontium (Sr)	56,000	<100	<100	<100	<100	<100	<100
Tin (Sn)	180,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Organic tin [#]	12	<8	<8	<8	<8	<8	<8
Zinc (Zn)	46,000	<100	<100	<100	<100	<100	<100



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III. EN 71 : Part 3 : 2013 + A1 : 2014

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		7	8	9	10	11	12
Aluminium (Al)	70,000	<100	<100	<100	<100	<100	<100
Antimony (Sb)	560	<5	<5	<5	<5	<5	<5
Arsenic (As)	47	<5	<5	<5	<5	<5	<5
Barium (Ba)	18,750	<20	<20	<20	<20	<20	<20
Boron (B)	15,000	<100	<100	<100	<100	<100	<100
Cadmium (Cd)	17	<5	<5	<5	<5	<5	<5
Chromium (III)	460	<1	<1	<1	<1	<1	<1
Chromium (VI)	0.2	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Cobalt (Co)	130	<5	<5	<5	<5	<5	<5
Copper (Cu)	7,700	<5	<5	<5	<5	<5	<5
Lead (Pb)	160	<5	<5	<5	<5	<5	<5
Manganese (Mn)	15,000	<100	<100	<100	<100	<100	<100
Mercury (Hg)	94	<5	<5	<5	<5	<5	<5
Nickel (Ni)	930	<5	<5	<5	<5	<5	<5
Selenium (Se)	460	<5	<5	<5	<5	<5	<5
Strontium (Sr)	56,000	<100	<100	<100	<100	<100	<100
Tin (Sn)	180,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Organic tin [#]	12	<8	<8	<8	<8	<8	<8
Zinc (Zn)	46,000	<100	<100	<100	<100	<100	<100



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Test Result :

III. EN 71 : Part 3 : 2013 + A1 : 2014

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		13	14	15	16	17	18
Aluminium (Al)	70,000	<100	<100	<100	<100	<100	<100
Antimony (Sb)	560	<5	<5	<5	<5	<5	<5
Arsenic (As)	47	<5	<5	<5	<5	<5	<5
Barium (Ba)	18,750	<20	<20	<20	<20	<20	<20
Boron (B)	15,000	<100	<100	<100	<100	<100	<100
Cadmium (Cd)	17	<5	<5	<5	<5	<5	<5
Chromium (III)	460	<1	<1	<1	<1	<1	<1
Chromium (VI)	0.2	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Cobalt (Co)	130	<5	<5	<5	<5	<5	<5
Copper (Cu)	7,700	<5	<5	<5	<5	<5	<5
Lead (Pb)	160	<5	<5	<5	<5	<5	<5
Manganese (Mn)	15,000	<100	<100	<100	<100	<100	<100
Mercury (Hg)	94	<5	<5	<5	<5	<5	<5
Nickel (Ni)	930	<5	<5	<5	<5	<5	<5
Selenium (Se)	460	<5	<5	<5	<5	<5	<5
Strontium (Sr)	56,000	<100	<100	<100	<100	<100	<100
Tin (Sn)	180,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Organic tin [#]	12	<8	<8	<8	<8	<8	<8
Zinc (Zn)	46,000	<100	<100	<100	<100	<100	<100



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Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		19	20	21	22	23	24
Aluminium (Al)	70,000	<100	<100	<100	<100	<100	<100
Antimony (Sb)	560	<5	<5	<5	<5	<5	<5
Arsenic (As)	47	<5	<5	<5	<5	<5	<5
Barium (Ba)	18,750	<20	<20	<20	<20	<20	<20
Boron (B)	15,000	<100	<100	<100	<100	<100	<100
Cadmium (Cd)	17	<5	<5	<5	<5	<5	<5
Chromium (III)	460	<1	<1	<1	<1	<1	<1
Chromium (VI)	0.2	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Cobalt (Co)	130	<5	<5	<5	<5	<5	<5
Copper (Cu)	7,700	<5	<5	<5	<5	<5	<5
Lead (Pb)	160	<5	<5	<5	<5	<5	<5
Manganese (Mn)	15,000	<100	<100	<100	<100	<100	<100
Mercury (Hg)	94	<5	<5	<5	<5	<5	<5
Nickel (Ni)	930	<5	<5	<5	<5	<5	<5
Selenium (Se)	460	<5	<5	<5	<5	<5	<5
Strontium (Sr)	56,000	<100	<100	<100	<100	<100	<100
Tin (Sn)	180,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Organic tin [#]	12	<8	<8	<8	<8	<8	<8
Zinc (Zn)	46,000	<100	<100	<100	<100	<100	<100



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Test Result :

III. EN 71 : Part 3 : 2013 + A1 : 2014

Category III – Scraped-off toy material

Element	Migration limit (mg/kg)	Result (mg/kg)					
		Sample					
		25	26	27	28	29	30
Aluminium (Al)	70,000	<100	<100	<100	<100	<100	<100
Antimony (Sb)	560	<5	<5	<5	<5	<5	<5
Arsenic (As)	47	<5	<5	<5	<5	<5	<5
Barium (Ba)	18,750	<20	<20	<20	<20	<20	<20
Boron (B)	15,000	<100	<100	<100	<100	<100	<100
Cadmium (Cd)	17	<5	<5	<5	<5	<5	<5
Chromium (III)	460	<1	<1	<1	<1	<1	<1
Chromium (VI)	0.2	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Cobalt (Co)	130	<5	<5	<5	<5	<5	<5
Copper (Cu)	7,700	<5	<5	<5	<5	<5	<5
Lead (Pb)	160	<5	<5	<5	<5	<5	<5
Manganese (Mn)	15,000	<100	<100	<100	<100	<100	<100
Mercury (Hg)	94	<5	<5	<5	<5	<5	<5
Nickel (Ni)	930	<5	<5	<5	<5	<5	<5
Selenium (Se)	460	<5	<5	<5	<5	<5	<5
Strontium (Sr)	56,000	<100	<100	<100	<100	<100	<100
Tin (Sn)	180,000	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Organic tin [#]	12	<8	<8	<8	<8	<8	<8
Zinc (Zn)	46,000	<100	<100	<100	<100	<100	542

- Note :
- All results are in mg/kg
 - < denotes less than
 - ≥ denotes greater than or equal to
 - For samples of migrated chromium content lower than migration limit of chromium (VI), no speciation test for chromium (III) and chromium (VI) were conducted. The results were derived from that of total chromium
 - For samples of migrated tin content calculated as tributyl tin lower than migration limit of organic tin, no organic tin test was conducted. Organic tin results were derived from that of total tin
 - [#]Organic tin compounds under investigation are limited to methyltin, butyltin, dibutyltin, tributyltin, tetrabutyltin, monoctyltin, dioctyltin, dipropyltin, diphenyltin and triphenyltin. Other organic tin compounds may also be present in toys



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Category III – Scraped-off toy material

Sample	Description	Sample Weight
1	Red plastic of red parts	≥100 mg
2	Blue plastic of blue parts	≥100 mg
3	Yellow plastic of yellow parts	≥100 mg
4	Green plastic of green parts	≥100 mg
5	Pink plastic of pink parts	≥100 mg
6	Sky blue plastic of sky blue parts	≥100 mg
7	Orange plastic of orange parts	≥100 mg
8	Lime plastic of lime parts	≥100 mg
9	White plastic of white parts	≥100 mg
10	Black plastic of black parts	≥100 mg
11	Brown plastic of brown parts	≥100 mg
12	Grey plastic of grey parts	≥100 mg
13	Clear plastic of clear parts	≥100 mg
14	Clear red plastic of clear red parts	≥100 mg
15	Clear blue plastic of clear blue parts	≥100 mg
16	Clear yellow plastic of clear yellow parts	≥100 mg
17	Grayish blue plastic of wheels	≥100 mg
18	Bright black plastic of shaft	≥100 mg
19	Dull white plastic of wheel of mini wheel	≥100 mg
20	Black soft plastic of tires of mini wheel	≥100 mg
21	Bright black plastic of mini shaft	≥100 mg
22	Dull white plastic of headband	≥100 mg
23	Bright pink plastic of pink case	≥100 mg
24	Bright orange plastic of orange case	≥100 mg
25	Bright blue plastic of blue case	≥100 mg
26	Bright lime plastic of lime case	≥100 mg
27	Clear sky blue plastic of cover of box	≥100 mg
28	Clear plastic of body of box	≥100 mg
29	Dull white plastic of locks of box	≥100 mg
30	Clear plastic laminated on white paper of sticker on box	≥100 mg



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Labelled age group : Item "A", "B" and "C" : for ages 5 years and up;
Item "D" : for ages 3 years and up

Tested age group : Item "A", "B" and "C" : for ages 5 years and up;
Item "D" : for ages 3 years and up

IV. ASTM F963-11

a. Physical and Mechanical Tests (for item "A", "C" and "D" only)

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.1	Material Quality – Visual Inspection	C
4.6.3	Toys intended for children ≥ 3 years but < 6 years 16 CFR 1500.19 Small objects labeling requirement	C
4.7	Accessible edges 16 CFR 1500.49 Sharp metal or glass edges	C
4.9	Accessible points 16 CFR 1500.48 Sharp points	C
4.12	Plastic film	C
5	Labeling requirements	
5.3	Safety labeling requirements	C
5.11	Small objects, small balls, marbles, and balloons 16 CFR 1500.19	C
5.16	Promotional materials	C
7	Producer's markings	
7.1	Producer's markings	C



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IV. ASTM F963-11

a. Physical and Mechanical Tests (for item "B" only)

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.1	Material Quality – Visual Inspection	C
4.6.3	Toys intended for children ≥ 3 years but < 6 years 16 CFR 1500.19 Small objects labeling requirement.	C
4.7	Accessible edges 16 CFR 1500.49 Sharp metal or glass edges	C
4.8	Projections	C
4.9	Accessible points 16 CFR 1500.48 Sharp points	C
4.12	Plastic film	C
4.17	Wheels, tires, and axles	C
5	Labeling requirements	
5.3	Safety labeling requirements	C
5.11	Small objects, small balls, marbles, and balloons 16 CFR 1500.19	C
5.16	Promotional materials	C
7	Producer's markings	
7.1	Producer's markings	C

Remark : The sample(s) were subjected to the use and abuse tests in according with Clause 8.7 Impact test, 8.8 Torque test, 8.9 Tension test, 8.10 Compression test and 8.12 Flexure test whichever was applicable.

Use and abuse test applied

Test	Test Parameters	16 CFR Reference
8.7.1 Drop Test	4 x 3 ft	1500.53(b)(3)
8.8 Torque Test	4 in-lbf	1500.53(e)
8.9 Tension Test	15 lbf	1500.53(f)
8.10 Compression Test	30 lbf	1500.53(g)



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IV. ASTM F963-11

b. Flammability Test

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.2	Flammability 16 CFR 1500.3 (c) (6) (vi)	C

Materials other than textiles

Test method : Annex A5 (16 CFR 1500.44)

The results of the burning rate of the most severe part = 0.03 in/sec.

The burning rate of the most severe part = 0.0 in/sec.
(Round off to the nearest tenth)

Note : Maximum permissible burning rate = 0.1 in/sec.



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IV. ASTM F963-11

c. Heavy Elements Test

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.3.5.2 (2)(a)	Toy substrate materials, total lead content	C

	<u>Test Item</u>
	Total Lead
Permissible Limit (ppm)	100(**)
Sample	
#31	<15
#32	<15
#33	<15
#34	<15
#35	<15
#36	<15
#37	<15
#38	<15
#39	<15
#40	<15

- Note :
- (***) 100 ppm limit applies to product produced on or after 14 Aug 2011
 - All results are in ppm
 - < denotes less than
 - # denotes composite sample



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Test Result :

IV. ASTM F963-11

c. Heavy Elements Test

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.3.5.2 (2)(a)	Toy substrate materials, total lead content	C

Sample	Description
#31	Red plastic of red parts + Blue plastic of blue parts + Yellow plastic of yellow parts
#32	Green plastic of green parts + Pink plastic of pink parts + Sky blue plastic of sky blue parts
#33	Orange plastic of orange parts + Lime plastic of lime parts + White plastic of white parts
#34	Black plastic of black parts + Brown plastic of brown parts + Grey plastic of grey parts
#35	Clear plastic of clear parts + Clear red plastic of clear red parts + Clear blue plastic of clear blue parts
#36	Clear yellow plastic of clear yellow parts + Grayish blue plastic of wheels + Bright black plastic of shaft
#37	Dull white plastic of wheel of mini wheel + Black soft plastic of tires of mini wheel + Bright black plastic of mini shaft
#38	Dull white plastic of headband + Bright pink plastic of pink case + Bright orange plastic of orange case
#39	Bright blue plastic of blue case + Bright lime plastic of lime case + Clear plastic lamination of sticker on box
#40	Clear sky blue plastic of cover of box + Clear plastic of body of box + Dull white plastic of locks of box



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IV. ASTM F963-11

c. Heavy Elements Test

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.3.5.2 (2)(b)	Toy substrate materials, soluble heavy elements	C

	<u>Test Item</u>							
	As	Hg	Se	Cd	Sb	Pb	Cr	Ba
Maximum Permissible Level (ppm)	25	60	500	75	60	90	60	1000
Sample								
41	<5	<5	<5	<5	<5	<5	<5	<20
42	<5	<5	<5	<5	<5	<5	<5	<20
43	<5	<5	<5	<5	<5	<5	<5	<20
44	<5	<5	<5	<5	<5	<5	<5	<20
45	<5	<5	<5	<5	<5	<5	<5	<20
46	<5	<5	<5	<5	<5	<5	<5	<20
47	<5	<5	<5	<5	<5	<5	<5	<20
48	<5	<5	<5	<5	<5	<5	<5	<20
49	<5	<5	<5	<5	<5	<5	<5	<20
50	<5	<5	<5	<5	<5	<5	<5	<20
51	<5	<5	<5	<5	<5	<5	<5	<20
52	<5	<5	<5	<5	<5	<5	<5	<20
53	<5	<5	<5	<5	<5	<5	<5	<20
54	<5	<5	<5	<5	<5	<5	<5	<20
55	<5	<5	<5	<5	<5	<5	<5	<20
56	<5	<5	<5	<5	<5	<5	<5	<20
57	<5	<5	<5	<5	<5	<5	<5	<20
58	<5	<5	<5	<5	<5	<5	<5	<20
59	<5	<5	<5	<5	<5	<5	<5	<20
60	<5	<5	<5	<5	<5	<5	<5	<20
61	<5	<5	<5	<5	<5	<5	<5	<20
62	<5	<5	<5	<5	<5	<5	<5	<20
63	<5	<5	<5	<5	<5	<5	<5	<20
64	<5	<5	<5	<5	<5	<5	<5	<20
65	<5	<5	<5	<5	<5	<5	<5	<20
66	<5	<5	<5	<5	<5	<5	<5	<20
67	<5	<5	<5	<5	<5	<5	<5	<20
68	<5	<5	<5	<5	<5	<5	<5	<20
69	<5	<5	<5	<5	<5	<5	<5	<20
70	<5	<5	<5	<5	<5	<5	<5	<20



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c. Heavy Elements Test

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.3.5.2 (2)(b)	Toy substrate materials, soluble heavy elements	C

- Note :
- All results are in ppm
 - ppm denotes part per million by weight
 - < denotes less than
 - ≥ denotes greater than or equal to
 - As = Arsenic; Hg = Mercury; Se = Selenium; Cd = Cadmium; Sb = Antimony; Pb = Lead; Cr = Chromium; Ba = Barium

Sample	Description	Sample Weight
41	Red plastic of red parts	≥100 mg
42	Blue plastic of blue parts	≥100 mg
43	Yellow plastic of yellow parts	≥100 mg
44	Green plastic of green parts	≥100 mg
45	Pink plastic of pink parts	≥100 mg
46	Sky blue plastic of sky blue parts	≥100 mg
47	Orange plastic of orange parts	≥100 mg
48	Lime plastic of lime parts	≥100 mg
49	White plastic of white parts	≥100 mg
50	Black plastic of black parts	≥100 mg
51	Brown plastic of brown parts	≥100 mg
52	Grey plastic of grey parts	≥100 mg
53	Clear plastic of clear parts	≥100 mg
54	Clear red plastic of clear red parts	≥100 mg
55	Clear blue plastic of clear blue parts	≥100 mg
56	Clear yellow plastic of clear yellow parts	≥100 mg
57	Grayish blue plastic of wheels	≥100 mg
58	Bright black plastic of shaft	≥100 mg
59	Dull white plastic of wheel of mini wheel	≥100 mg
60	Black soft plastic of tires of mini wheel	≥100 mg
61	Bright black plastic of mini shaft	≥100 mg
62	Dull white plastic of headband	≥100 mg
63	Bright pink plastic of pink case	≥100 mg
64	Bright orange plastic of orange case	≥100 mg
65	Bright blue plastic of blue case	≥100 mg



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Test Result :

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c. Heavy Elements Test

<u>Clause</u>	<u>Title/Description</u>	<u>Remark*</u>
4.3.5.2 (2)(b)	Toy substrate materials, soluble heavy elements	C

Sample	Description	Sample Weight
66	Bright lime plastic of lime case	≥100 mg
67	Clear sky blue plastic of cover of box	≥100 mg
68	Clear plastic of body of box	≥100 mg
69	Dull white plastic of locks of box	≥100 mg
70	Clear plastic laminated on white paper of sticker on box	≥100 mg

* Abbreviation : C = Complied



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Test Result :

V. Lead content in accordance with U.S. Consumer Product Safety Improvement Act of 2008 – Sec. 101 : Children’s Products Containing Lead; Lead Paint Rule

For materials and substrate

	Test Item
	Total Lead
Permissible Limit (mg/kg)	100(*)
Sample	
#71	<15
#72	<15
#73	<15
#74	<15
#75	<15
#76	<15
#77	<15
#78	<15
#79	<15
#80	<15

- Note :
- (*) 100 ppm limit applies to product produced on or after 14 Aug 2011
 - All results are in mg/kg
 - < denotes less than
 - # denotes composite sample

Sample	Description
#71	Red plastic of red parts + Blue plastic of blue parts + Yellow plastic of yellow parts
#72	Green plastic of green parts + Pink plastic of pink parts + Sky blue plastic of sky blue parts
#73	Orange plastic of orange parts + Lime plastic of lime parts + White plastic of white parts
#74	Black plastic of black parts + Brown plastic of brown parts + Grey plastic of grey parts
#75	Clear plastic of clear parts + Clear red plastic of clear red parts + Clear blue plastic of clear blue parts
#76	Clear yellow plastic of clear yellow parts + Grayish blue plastic of wheels + Bright black plastic of shaft
#77	Dull white plastic of wheel of mini wheel + Black soft plastic of tires of mini wheel + Bright black plastic of mini shaft
#78	Dull white plastic of headband + Bright pink plastic of pink case + Bright orange plastic of orange case
#79	Bright blue plastic of blue case + Bright lime plastic of lime case + Clear plastic lamination of sticker on box
#80	Clear sky blue plastic of cover of box + Clear plastic of body of box + Dull white plastic of locks of box



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Test Result :

VI. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII, Entry 23 and its amendment Regulation (EU) No. 494/2011 and No. 835/2012 - Cadmium content (formerly Directive 91/338/EEC).

For plastic material

	<u>Test item</u>
	Total Cadmium
Maximum permissible level (mg/kg)	100
Sample	
#81	<5
#82	<5
#83	<5
#84	<5
#85	<5
#86	<5
#87	<5
#88	<5
#89	<5
#90	<5

Note :
 • All results are in mg/kg
 • < denotes less than
 • # denotes composite sample

Sample	Description
#81	Red plastic of red parts + Blue plastic of blue parts + Yellow plastic of yellow parts
#82	Green plastic of green parts + Pink plastic of pink parts + Sky blue plastic of sky blue parts
#83	Orange plastic of orange parts + Lime plastic of lime parts + White plastic of white parts
#84	Black plastic of black parts + Brown plastic of brown parts + Grey plastic of grey parts
#85	Clear plastic of clear parts + Clear red plastic of clear red parts + Clear blue plastic of clear blue parts
#86	Clear yellow plastic of clear yellow parts + Grayish blue plastic of wheels + Bright black plastic of shaft
#87	Dull white plastic of wheel of mini wheel + Black soft plastic of tires of mini wheel + Bright black plastic of mini shaft
#88	Dull white plastic of headband + Bright pink plastic of pink case + Bright orange plastic of orange case
#89	Bright blue plastic of blue case + Bright lime plastic of lime case + Clear plastic lamination of sticker on box
#90	Clear sky blue plastic of cover of box + Clear plastic of body of box + Dull white plastic of locks of box



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Test Result :

VII & VIII. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII - Phthalates contents and U.S. Consumer Product Safety Improvement Act of 2008 - Sec. 108

Sample	Test Item					
	DEHP	DBP	BBP	DINP	DIDP	DNOP
#91	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#92	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#93	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#94	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#95	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#96	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#97	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#98	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#99	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#100	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Requirement of Regulation (EC) No. 1907/2006, Annex XVII

1. Concentration of DEHP, DBP and BBP of plasticized materials in toys and childcare articles shall not exceed 0.1% by weight.
2. Concentration of DINP, DIDP and DNOP of plasticized materials in toys and childcare articles which can be placed in the mouth by children shall not exceed 0.1% by weight.

Requirement of CPSIA

It shall be unlawful for any person to manufacture for sale, offer for sale, distribute in commerce, or import into the United States :

1. Any children's toy or child care article that contains concentrations of more than 0.1% of DEHP, DBP or BBP.
2. Any children's toy that can be placed in a child's mouth or child care article that contains concentrations of more than 0.1% of DINP, DIDP or DNOP.

- Note :
- All results are in % w/w
 - % w/w denotes percentage by weight
 - < denotes less than
 - # denotes composite sample
 - DEHP = Di (2-ethylhexyl) Phthalate; DBP = Dibutyl Phthalate; BBP = Butyl Benzyl Phthalate; DINP = Diisononyl Phthalate; DIDP = Diisodecyl Phthalate; DNOP = Di-n-octyl Phthalate



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Application No : LU006311(0)

Test Result :

VII & VIII. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, Annex XVII
- Phthalates contents and U.S. Consumer Product Safety Improvement Act of 2008 - Sec. 108

Sample	Description
#91	Red plastic of red parts + Blue plastic of blue parts + Yellow plastic of yellow parts
#92	Green plastic of green parts + Pink plastic of pink parts + Sky blue plastic of sky blue parts
#93	Orange plastic of orange parts + Lime plastic of lime parts + White plastic of white parts
#94	Black plastic of black parts + Brown plastic of brown parts + Grey plastic of grey parts
#95	Clear plastic of clear parts + Clear red plastic of clear red parts + Clear blue plastic of clear blue parts
#96	Clear yellow plastic of clear yellow parts + Grayish blue plastic of wheels + Bright black plastic of shaft
#97	Dull white plastic of wheel of mini wheel + Black soft plastic of tires of mini wheel + Bright black plastic of mini shaft
#98	Dull white plastic of headband + Bright pink plastic of pink case + Bright orange plastic of orange case
#99	Bright blue plastic of blue case + Bright lime plastic of lime case + Clear plastic lamination of sticker on box
#100	Clear sky blue plastic of cover of box + Clear plastic of body of box + Dull white plastic of locks of box



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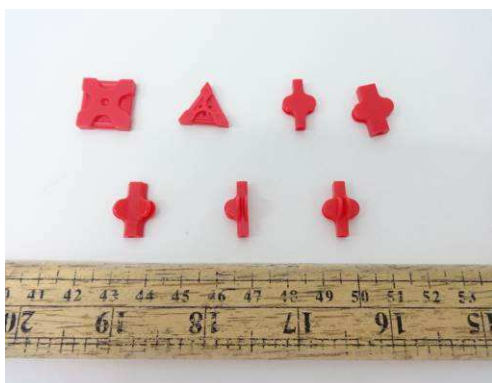
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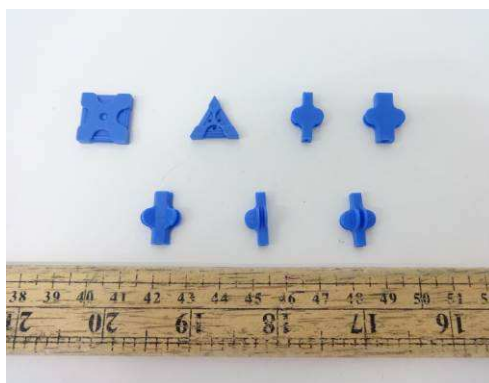
Date: 18 Mar 2016

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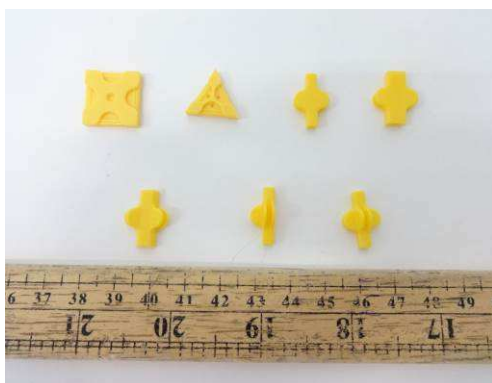
Appendix



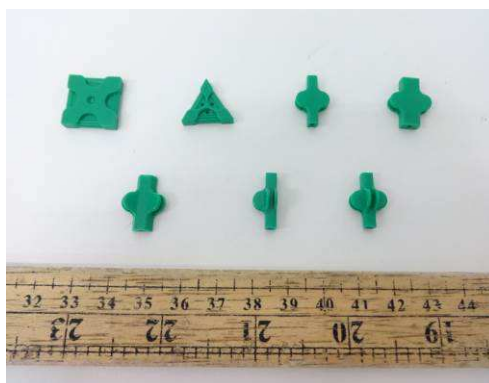
LaQ RED No.1-7



LaQ BLUE No.1-7



LaQ YELLOW No.1-7



LaQ GREEN No.1-7



LaQ PINK No.1-7



LaQ SKY BLUE No.1-7



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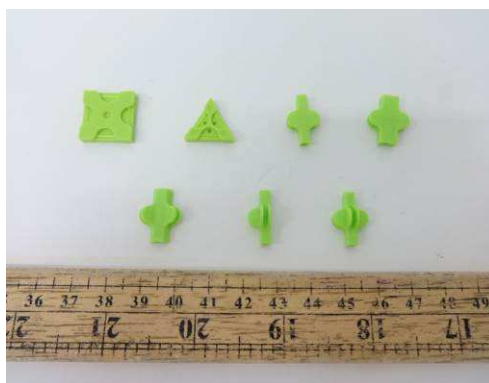
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LaQ ORANGE No.1-7



LaQ LIME No.1-7



LaQ WHITE No.1-7



LaQ BLACK No.1-7



LaQ BROWN No.1-7



LaQ GRAY No.1-7



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LaQ CLEAR No.1-7



LaQ CLEAR RED No.1-7



LaQ CLEAR BLUE No.1-7



LaQ CLEAR YELLOW No.1-7



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LaQ HAMACRON CONSTRUCTOR WHEEL



LaQ HAMACRON CONSTRUCTOR SHAFT



LaQ HAMACRON CONSTRUCTOR MINI WHEEL



LaQ HAMACRON CONSTRUCTOR MINI SHAFT



LaQ SWEET COLLECTION HEADBAND



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Blister Case ORANGE



Blister Case BLUE



Blister Case PINK



Blister Case LIME



Plastic Container



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(A)



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(B)



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(B)



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(C)



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