



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

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

Sample Description : One hundred and twenty-one (121) 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
- > - LaQ Blister Case PINK
- > - LaQ Blister Case BLUE
- > - LaQ Blister Case ORANGE
- > - LaQ Blister Case LIME

Item Name

- (A) LaQ Build Up Robot LAPIS
- (B) LaQ Build Up Robot ALEX
- (C) LaQ Build Up Robot JADE

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

Page 1 of 30



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

Date Received : 17 Oct 2015.

Test Period : 23 Oct 2015 to 27 Oct 2015.

- 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;  
- 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).

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

Page 2 of 30



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

Test Requested : 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.

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 21.

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

Page 3 of 30



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

Conclusion	Test Item	Result
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
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 : (i) 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.

(ii) Sample No. 1-22, 27-35, 38-59, 64-72, 75-83, 86-94 of this report were stated by the client that they were identical to sample No. 1-22, 23-31, 32-53, 54-62, 63-71, 72-80 respectively of Report No. AT0040023(9).

The heavy metal/total lead/total cadmium/phthalates contents results of sample No. 1-22, 27-35, 38-59, 64-72, 75-83, 86-94 of this report were transferred from sample No. 1-22, 23-31, 32-53, 54-62, 63-71, 72-80 respectively of Report No. AT0040023(9) issued on 11 Aug 2015.

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

Page 4 of 30



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## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

Test Result :

Labelled age group : For ages 7 years and up

Tested age group : For ages 3 years and up

I. EN71 : Part 1 : 2014 (For item A to C 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

II. EN71 : Part 2 : 2011 + A1 : 2014 (For item A to C only)

<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 REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

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 <sup>#</sup>	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					
		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 <sup>#</sup>	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 <sup>#</sup>	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			
		19	20	21	22
Aluminium (Al)	70,000	<100	<100	<100	<100
Antimony (Sb)	560	<5	<5	<5	<5
Arsenic (As)	47	<5	<5	<5	<5
Barium (Ba)	18,750	<20	<20	<20	<20
Boron (B)	15,000	<100	<100	<100	<100
Cadmium (Cd)	17	<5	<5	<5	<5
Chromium (III)	460	<1	<1	<1*	<1
Chromium (VI)	0.2	<0.15	<0.15	<0.15*	<0.15
Cobalt (Co)	130	<5	<5	<5	<5
Copper (Cu)	7,700	<5	<5	<5	<5
Lead (Pb)	160	<5	<5	<5	<5
Manganese (Mn)	15,000	<100	<100	<100	<100
Mercury (Hg)	94	<5	<5	<5	<5
Nickel (Ni)	930	<5	<5	<5	<5
Selenium (Se)	460	<5	<5	<5	<5
Strontium (Sr)	56,000	<100	<100	<100	<100
Tin (Sn)	180,000	<2.5	<2.5	<2.5	<2.5
Organic tin <sup>#</sup>	12	<8	<8	<8	<8
Zinc (Zn)	46,000	<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			
		23	24	25	26
Aluminium (Al)	70,000	<100	<100	<100	<100
Antimony (Sb)	560	<5	<5	<5	<5
Arsenic (As)	47	<5	<5	<5	<5
Barium (Ba)	18,750	<20	<20	<20	<20
Boron (B)	15,000	<100	<100	<100	<100
Cadmium (Cd)	17	<5	<5	<5	<5
Chromium (III)	460	<1	<1	<1	<1
Chromium (VI)	0.2	<0.15	<0.15	<0.15	<0.15
Cobalt (Co)	130	<5	<5	<5	<5
Copper (Cu)	7,700	<5	<5	<5	<5
Lead (Pb)	160	<5	<5	<5	<5
Manganese (Mn)	15,000	<100	<100	<100	<100
Mercury (Hg)	94	<5	<5	<5	<5
Nickel (Ni)	930	<5	<5	<5	<5
Selenium (Se)	460	<5	<5	<5	<5
Strontium (Sr)	56,000	<100	<100	<100	<100
Tin (Sn)	180,000	<2.5	<2.5	<2.5	<2.5
Organic tin <sup>#</sup>	12	<8	<8	<8	<8
Zinc (Zn)	46,000	<100	<100	<100	<100

- 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
  - \*Chromium (VI) test was conducted. Chromium (III) result was calculated by subtracting Chromium (VI) result from Chromium result
  - <sup>#</sup>Organic tin compounds under investigation are limited to methyltin, butyltin, dibutyltin, tributyltin, tetrabutyltin, mono-octyltin, dioctyltin, dipropyltin, diphenyltin and triphenyltin. Other organic tin compounds may also be present in toys.



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Test Result :

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Category III – Scraped-off toy material

Sample	Description	Sample Weight
1	Red plastic of red parts	≥100 mg
2	Lime plastic of lime parts	≥100 mg
3	Yellow plastic of yellow parts	≥100 mg
4	Sky blue plastic of sky blue parts	≥100 mg
5	Clear yellow plastic of clear yellow parts	≥100 mg
6	Pink plastic of pink parts	≥100 mg
7	Clear blue plastic of clear blue parts	≥100 mg
8	Brown plastic of brown parts	≥100 mg
9	Clear red plastic of clear red parts	≥100 mg
10	White plastic of white parts	≥100 mg
11	Grey plastic of grey parts	≥100 mg
12	Black plastic of black parts	≥100 mg
13	Clear plastic of clear parts	≥100 mg
14	Blue plastic of blue parts	≥100 mg
15	Orange plastic of orange parts	≥100 mg
16	Bright black plastic of shaft of wheels	≥100 mg
17	Dull white plastic of wheel hub of wheel	≥100 mg
18	Dull black soft plastic of tire of wheels	≥100 mg
19	Bright black plastic of large shaft	≥100 mg
20	Dark blue plastic of large wheels	≥100 mg
21	White plastic of headband	≥100 mg
22	Green plastic of green parts	≥100 mg
23	Lime plastic of lime case	≥100 mg
24	Orange plastic of orange case	≥100 mg
25	Blue plastic of blue case	≥100 mg
26	Pink plastic of pink case	≥100 mg



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Test Result :

Labelled age group : For ages 7 years and up

Tested age group : For ages 7 years and up

IV. ASTM F963-11

### a. Physical and Mechanical Tests (For item A to C only)

Clause	Title/Description	Remark*
4.1	Material Quality – Visual Inspection	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	
5.16	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)



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Test Result :

IV. ASTM F963-11

### **b. Flammability Test (For item A to C only)**

<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 = 0.01 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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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

	<u>Test Item</u>
	Total Lead
Permissible Limit (ppm)	100(**)
Sample	
#27	<15
#28	<15
#29	<15
#30	<15
#31	<15
#32	<15
33	<15
#34	<15
#35	<15
#36	<15
#37	<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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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
#27	Red plastic of red parts + Lime plastic of lime parts + Yellow plastic of yellow parts
#28	Sky blue plastic of sky blue parts + Clear yellow plastic of clear yellow parts + Pink plastic of pink parts
#29	Clear blue plastic of clear blue parts + Brown plastic of brown parts + Clear red plastic of clear red parts
#30	White plastic of white parts + Grey plastic of grey parts + Black plastic of black parts
#31	Clear plastic of clear parts + Blue plastic of blue parts + Orange plastic of orange parts
#32	Bright black plastic of shaft of wheels + Dull white plastic of wheel hub of wheel
33	Dull black soft plastic of tire of wheels
#34	Bright black plastic of large shaft + Dark blue plastic of large wheels
#35	White plastic of headband + Green plastic of green parts
#36	Lime plastic of lime case + Orange plastic of orange case
#37	Blue plastic of blue case + Pink plastic of pink case



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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)(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								
38	<5	<5	<5	<5	<5	<5	<5	<20
39	<5	<5	<5	<5	<5	<5	<5	<20
40	<5	<5	<5	<5	<5	<5	<5	<20
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





# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

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)(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
38	Red plastic of red parts	≥100 mg
39	Lime plastic of lime parts	≥100 mg
40	Yellow plastic of yellow parts	≥100 mg
41	Sky blue plastic of sky blue parts	≥100 mg
42	Clear yellow plastic of clear yellow parts	≥100 mg
43	Pink plastic of pink parts	≥100 mg
44	Clear blue plastic of clear blue parts	≥100 mg
45	Brown plastic of brown parts	≥100 mg
46	Clear red plastic of clear red parts	≥100 mg
47	White plastic of white parts	≥100 mg
48	Grey plastic of grey parts	≥100 mg
49	Black plastic of black parts	≥100 mg
50	Clear plastic of clear parts	≥100 mg
51	Blue plastic of blue parts	≥100 mg
52	Orange plastic of orange parts	≥100 mg
53	Bright black plastic of shaft of wheels	≥100 mg
54	Dull white plastic of wheel hub of wheel	≥100 mg
55	Dull black soft plastic of tire of wheels	≥100 mg
56	Bright black plastic of large shaft	≥100 mg
57	Dark blue plastic of large wheels	≥100 mg
58	White plastic of headband	≥100 mg
59	Green plastic of green parts	≥100 mg
60	Lime plastic of lime case	≥100 mg
61	Orange plastic of orange case	≥100 mg
62	Blue plastic of blue case	≥100 mg
63	Pink plastic of pink case	≥100 mg

\* Abbreviation : C = Complied



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

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

	<u>Test Item</u>
	Total Lead
Permissible Limit (mg/kg)	100(*)
Sample	
#64	<15
#65	<15
#66	<15
#67	<15
#68	<15
#69	<15
70	<15
#71	<15
#72	<15
#73	<15
#74	<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
#64	Red plastic of red parts + Lime plastic of lime parts + Yellow plastic of yellow parts
#65	Sky blue plastic of sky blue parts + Clear yellow plastic of clear yellow parts + Pink plastic of pink parts
#66	Clear blue plastic of clear blue parts + Brown plastic of brown parts + Clear red plastic of clear red parts
#67	White plastic of white parts + Grey plastic of grey parts + Black plastic of black parts
#68	Clear plastic of clear parts + Blue plastic of blue parts + Orange plastic of orange parts
#69	Bright black plastic of shaft of wheels + Dull white plastic of wheel hub of wheel
70	Dull black soft plastic of tire of wheels
#71	Bright black plastic of large shaft + Dark blue plastic of large wheels
#72	White plastic of headband + Green plastic of green parts
#73	Lime plastic of lime case + Orange plastic of orange case
#74	Blue plastic of blue case + Pink plastic of pink case



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

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	
#75	<5
#76	<5
#77	<5
#78	<5
#79	<5
#80	<5
81	<5
#82	<5
#83	<5
#84	<5
#85	<5

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

Sample	Description
#75	Red plastic of red parts + Lime plastic of lime parts + Yellow plastic of yellow parts
#76	Sky blue plastic of sky blue parts + Clear yellow plastic of clear yellow parts + Pink plastic of pink parts
#77	Clear blue plastic of clear blue parts + Brown plastic of brown parts + Clear red plastic of clear red parts
#78	White plastic of white parts + Grey plastic of grey parts + Black plastic of black parts
#79	Clear plastic of clear parts + Blue plastic of blue parts + Orange plastic of orange parts
#80	Bright black plastic of shaft of wheels + Dull white plastic of wheel hub of wheel
81	Dull black soft plastic of tire of wheels
#82	Bright black plastic of large shaft + Dark blue plastic of large wheels
#83	White plastic of headband + Green plastic of green parts
#84	Lime plastic of lime case + Orange plastic of orange case
#85	Blue plastic of blue case + Pink plastic of pink case



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

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
#86	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#87	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#88	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#89	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#90	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
#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

### 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



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

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
#86	Red plastic of red parts + Lime plastic of lime parts + Yellow plastic of yellow parts
#87	Sky blue plastic of sky blue parts + Clear yellow plastic of clear yellow parts + Pink plastic of pink parts
#88	Clear blue plastic of clear blue parts + Brown plastic of brown parts + Clear red plastic of clear red parts
#89	White plastic of white parts + Grey plastic of grey parts + Black plastic of black parts
#90	Clear plastic of clear parts + Blue plastic of blue parts + Orange plastic of orange parts
#91	Bright black plastic of shaft of wheels + Dull white plastic of wheel hub of wheel
92	Dull black soft plastic of tire of wheels
#93	Bright black plastic of large shaft + Dark blue plastic of large wheels
#94	White plastic of headband + Green plastic of green parts
#95	Lime plastic of lime case + Orange plastic of orange case
#96	Blue plastic of blue case + Pink plastic of pink case



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### 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**



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



**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**



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



**LaQ CLEAR No.1-7**



**LaQ CLEAR RED No.1-7**



**LaQ CLEAR BLUE No.1-7**



**LaQ CLEAR YELLOW No.1-7**





# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



**LaQ HAMACRON CONSTRUCTOR WHEEL**



**LaQ HAMACRON CONSTRUCTOR SHAFT**



**LaQ HAMACRON CONSTRUCTOR MINI WHEEL**



**LaQ HAMACRON CONSTRUCTOR MINI SHAFT**



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



**LaQ SWEET COLLECTION HEADBAND**



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



**LaQ Blister Case PINK**



**LaQ Blister Case BLUE**



**LaQ Blister Case ORANGE**



**LaQ Blister Case LIME**



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



(A)



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



(B)



# CMA Testing and Certification Laboratories

廠商會檢定中心

## TEST REPORT

Report No : AT0068128(3)

Date : 05 Nov 2015

Application No : LT043157(9)

### Appendix



(C)

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