



## STC Test Report

**Date** : 2013-12-02  
**No.** : HP264669

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- Applicant (YOC004)** : Yoshiritsu Co Ltd  
1563 Koshibe Oyodo Yoshino Nara  
638-0803 Japan  
  
Attn: Mo Saeki
- Description of Samples** : Three sets of submitted sample said to be:  
**NO.1. LAQBASIC 5000** (see attached photo)  
COUNTRY OF ORIGIN: JAPAN  
AGE GRADING: 5 YEARS OLD AND UP
- Date Samples Received** : 2013-11-18
- Date Tested** : 2013-11-18 to 2013-11-26
- Investigation Requested** : European Standard for Safety of Toys  
- EN71-1:2011  
- EN71-2:2011  
- EN71-3:2013
- Conclusions** : EN71-1:2011  
Apart from clause 7.1, the submitted sample complied with the test requirement.
- EN71-2:2011  
The submitted sample complied with the test requirement.
- EN71-3:2013  
The submitted sample complied with the test requirement.

WONG Wing-cheung, Benny  
CNAS Approved Signatory



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### AGE GRADING:

The sample was appropriately age graded with the marking of "Ages 5+".

### AGE GRADING FOR TESTING:

5 years and up.

### Test Results :

#### 3.1 EN71-1:2011 - Part 1: Mechanical and physical properties

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4	<u>General requirements</u>	
4.1	Materials cleanliness	Pass
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
7	<u>Markings and instructions for use</u>	*
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Pass

\* = The manufacturer or his authorized representative or the importer into the community shall in a visible, easily legible and indelible form affix his name and/or trade name and/or mark and address on the toy or on its packaging.

#### 2.2 EN71-2:2011 - Part 2: Flammability

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	Pass

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- 2.3 EN71-3 :2013 – Part 3: Migration of certain elements  
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer  
and Inductively Coupled Plasma Mass Spectrometry

Category III: Scraped-off toy material (see Note)

### Polymeric material

- (a) Block (#1) : black ABS
- (b) Block (#1) : white ABS
- (c) Block (#1) : red ABS
- (d) Block (#1) : blue ABS
- (e) Block (#1) : yellow ABS
- (f) Block (#1) : green ABS
- (g) Block (#1) : pink ABS
- (h) Block (#1) : sky blue ABS
- (i) Block (#1) : lime ABS
- (j) Block (#1) : orange ABS
- (k) Block (#1) : black POM
- (l) Block (#1) : white POM
- (m) Block (#1) : red POM
- (n) Block (#1) : blue POM
- (o) Block (#1) : yellow POM
- (p) Block (#1) : green POM
- (q) Block (#1) : pink POM
- (r) Block (#1) : sky blue POM
- (s) Block (#1) : lime POM
- (t) Block (#1) : orange POM
- (u) Wheel (#1) : black
- (v) Wheel (#1) : white
- (w) Axle of wheel : (#1) : dark black
- (x) Wheel (#1) : light blue
- (y) Cover of box (#1) : transparent blue
- (z) Box (#1) : transparent
- (aa) Lock of box (#1) : white
- (ab) Sticker (#1) : transparent plastic laminated on white paper sticker with yellow/red/blue/green/black multicolor coating at the base

### Paper and board

- (ac) Sticker (#1) : white paper sticker

### Coating material

- (ad) Instruction guide book (#1): red/orange/yellow/blue/green multicolor coating

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Elements	Result (mg/kg)			Limit(mg/kg)
	a	b	c	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	ND	0.3	ND	180000
Organic tin	ND	0.3	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	d	e	f	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	ND	ND	ND	180000
Organic tin	ND	ND	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	g	h	i	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	ND	ND	ND	180000
Organic tin	ND	ND	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	j	k	l	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	ND	ND	ND	180000
Organic tin	ND	ND	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	m	n	o	
Aluminium	ND	5.6	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	ND	ND	0.2	180000
Organic tin	ND	ND	0.2	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	p	q	r	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	ND	ND	ND	180000
Organic tin	ND	ND	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	s	t	u	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	ND	0.2	ND	180000
Organic tin	ND	0.2	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	v	w	x	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	0.2	ND	ND	180000
Organic tin	0.2	ND	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	y	z	aa	
Aluminium	ND	ND	ND	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	ND	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	ND	ND	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	ND	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	ND	ND	ND	56000
Tin	0.2	ND	ND	180000
Organic tin	0.2	ND	ND	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)			Limit(mg/kg)
	ab	ac	ad	
Aluminium	196.8	445.4	13.9	70000
Antimony	ND	ND	ND	560
Arsenic	ND	ND	ND	47
Barium	ND	ND	5.7	18750
Boron	ND	ND	ND	15000
Cadmium	ND	ND	ND	17
Chromium(III)	0.3	0.3	ND	460
Chromium (VI)	ND	ND	ND	0.2
Cobalt	ND	ND	ND	130
Copper	ND	ND	ND	7700
Lead	ND	ND	ND	160
Manganese	ND	ND	11.6	15000
Mercury	ND	ND	ND	94
Nickel	ND	ND	ND	930
Selenium	ND	ND	ND	460
Strontium	58.0	56.2	33.9	56000
Tin	ND	ND	ND	180000
Organic tin	ND	ND	ND	12
Zinc	1205.1	1176.3	ND	46000

Remark: ND = Not detected (see Table A )  
mg/kg = milligram per kilogram

The Chromium content was reported as Chromium (III) and Chromium (VI). Whenever the result of Chromium exceeded the limit of Chromium (III) and Chromium (VI), confirmation test was performed.

The Tin content was reported as Organic tin unless specified.

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Elements	Limit of Detection (mg/kg)
Aluminium	5
Antimony	5
Arsenic	5
Barium	5
Boron	5
Cadmium	2.5
Chromium(III)	0.2
Chromium (VI)	0.2
Cobalt	5
Copper	5
Lead	5
Manganese	5
Mercury	5
Nickel	5
Selenium	5
Strontium	5
Tin	0.2
Organic tin	0.2
Zinc	5

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

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### Appendix for Photos of the Submitted Sample



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