



STC Test Report

Date : 2013-11-29
No. : HP264334

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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.15 KOCALINI (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
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
Authorized Signatory
Toys & Children's Products Department
For and on behalf of
The Hong Kong Standards and Testing Centre Ltd.

The Hong Kong Standards and Testing Centre Ltd.

10 Dai Wang Street, Taipo Industrial Estate, N.T., Hong Kong
Tel: (852) 26661888 Fax: (852) 26644353 E-mail: hkstc@hkstc.org Homepage: www.hkstc.org

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AGE GRADING:

The sample was age graded with th marking of “8+”; However, the applicant requested it be tested according to the age grade of 5 years and up.

AGE GRADING FOR TESTING:

5+.

Test Results :

(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

(2) EN71-2:2011 - Part 2: Flammability

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

(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 : transparent PC
- (b) Block : pink PC
- (c) Block : skyblue PC
- (d) Block : lime PC
- (e) Block : black PC
- (f) Plastic sheet : transparent PET
- (g) Plastic sheet : black PET
- (h) Plastic sheet : white PET

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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	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)
	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
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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)
	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	0.2	ND	0.9	180000
Organic tin	0.2	ND	0.9	12
Zinc	ND	ND	ND	46000

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Elements	Result (mg/kg)		Limit(mg/kg)
	g	h	
Aluminium	7.7	ND	70000
Antimony	ND	ND	560
Arsenic	ND	ND	47
Barium	ND	ND	18750
Boron	ND	ND	15000
Cadmium	ND	ND	17
Chromium(III)	ND	ND	460
Chromium (VI)	ND	ND	0.2
Cobalt	ND	ND	130
Copper	ND	ND	7700
Lead	ND	ND	160
Manganese	ND	ND	15000
Mercury	ND	ND	94
Nickel	ND	ND	930
Selenium	ND	ND	460
Strontium	ND	ND	56000
Tin	ND	0.4	180000
Organic tin	ND	0.4	12
Zinc	ND	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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Table A. Detection limit	
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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