



STC Test Report

Date : 2008-07-30
No. : HP185621

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Applicant (YOC004) : Yoshiritsu Co Ltd
1513 Koshibe Oyodo Yoshinio
Nara 638-0803 Japan

Attn: Mo Saeki

Description of Samples : One set of submitted sample said to be:
LAQ FREESTYLE PALLET (see attached photo)
COUNTRY OF ORIGIN: JAPAN

Date Samples Received : 2008-03-05

Date Tested : 2008-03-05 to 2008-04-15

Investigation Requested : GB 6675-2003: National Safety Technical Code for Toys:
- Annex A: safety aspects related to mechanical and physical properties
- Annex B: flammability
- Annex C: migration of certain elements

Conclusions : GB 6675-2003 Annex A: safety aspects related to mechanical and physical properties
The submitted sample complied with the test requirement.

GB 6675-2003 Annex B: flammability
The submitted sample complied with the test requirement.

GB 6675-2003 Annex C: migration of certain elements
The submitted sample complied with the test requirement.

WONG Wing-cheung, Benny
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 appropriately age graded with the marking of "5 YEARS AND UP".

AGE GRADING FOR TESTING:

60 months and up.

Test Results :

(1) GB 6675:2003 Annex A: Physical and Mechanical Tests

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
A.4	<u>Requirements</u>	
A.4.1	Normal use	Pass
A.4.2	Reasonably foreseeable abuse	Pass*
A.4.3	<u>Material</u>	
A.4.3.1	Material quality	Pass
A.4.4.2	For children from 37 months up to and including 72 months	Pass
A.4.6	<u>Edges</u>	
A.4.6.4	Edges on moulded toys	Pass
A.4.7	<u>Points</u>	
A.4.7.1	Accessible sharp points	Pass
A.C.2	<u>Safety-labelling guidelines</u>	
A.C.2.2	Age grading	Pass
A.C.2.3	Small toys and toys containing small parts	Pass
A.C.4	Manufacturer's marking	Pass

* = Reasonably foreseeable abuse test:

<u>Applicable clause</u>	<u>Description</u>	<u>Test Condition</u>
5.24.2	Drop test	93 ± 5 cm 4 times
5.24.5	Torque test	0.45 N.m ± 0.02 N.m or 180°
5.24.6.1	Tension test	70 ± 2 N
5.24.6.2	Integrity test for stuffed toys	70 ± 2 N
5.24.7	Compression test	136 ± 2 N

(2) GB 6675:2003 Annex B: Flammability

<u>Applicable Clause</u>	<u>Description</u>	<u>Result</u>
B.4.1	General	Pass

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(3) GB 6675:2003 Annex C: Migration of certain elements

Method used: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Polymeric material

- (a) Base block: bluish grey
- (b) Puzzle pieces: red
- (c) Puzzle pieces: yellow
- (d) Puzzle pieces: blue
- (e) Puzzle pieces: green
- (f) Puzzle pieces: pink
- (g) Puzzle pieces: orange
- (h) Puzzle pieces: sky blue
- (i) Puzzle pieces: light green
- (j) Puzzle pieces/joint: black
- (k) Puzzle pieces: ivory white
- (l) Tyres: soft, black
- (m) Wheels: white

Paper and board

- (n) Paper sheet: white paper with black/dark grey/light grey printing
- (o) Leaflet: white paper with green/blue/red multicolour printing
- (p) Booklet: white paper with dark blue/yellow/red multicolour printing
- (q) Instruction sheet: white paper with orange/black/yellow multicolour printing
- (r) Instruction book: white paper with dark blue/brown/green multicolour printing
- (s) Sticker: white paper with/dark blue/black/yellow/multicolor printing

	a	b	c	Limit
Soluble lead.....	<2mg/kg	<2mg/kg	<2mg/kg	90mg/kg
Soluble cadmium.....	<2mg/kg	<2mg/kg	<2mg/kg	75mg/kg
Soluble chromium.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble barium.....	<2mg/kg	<2mg/kg	<2mg/kg	1000mg/kg
Soluble antimony.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble arsenic.....	<2mg/kg	<2mg/kg	<2mg/kg	25mg/kg
Soluble mercury.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble selenium.....	<2mg/kg	<2mg/kg	<2mg/kg	500mg/kg

	d	e	f	Limit
Soluble lead.....	<2mg/kg	<2mg/kg	<2mg/kg	90mg/kg
Soluble cadmium.....	<2mg/kg	<2mg/kg	<2mg/kg	75mg/kg
Soluble chromium.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble barium.....	<2mg/kg	<2mg/kg	<2mg/kg	1000mg/kg
Soluble antimony.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble arsenic.....	<2mg/kg	<2mg/kg	<2mg/kg	25mg/kg
Soluble mercury.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble selenium.....	<2mg/kg	<2mg/kg	<2mg/kg	500mg/kg

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	<u>g</u>	<u>h</u>	<u>i</u>	<u>Limit</u>
Soluble lead.....	<2mg/kg	<2mg/kg	<2mg/kg	90mg/kg
Soluble cadmium.....	<2mg/kg	<2mg/kg	<2mg/kg	75mg/kg
Soluble chromium.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble barium.....	<2mg/kg	<2mg/kg	<2mg/kg	1000mg/kg
Soluble antimony.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble arsenic.....	<2mg/kg	<2mg/kg	<2mg/kg	25mg/kg
Soluble mercury.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble selenium.....	<2mg/kg	<2mg/kg	<2mg/kg	500mg/kg

	<u>j</u>	<u>k</u>	<u>l</u>	<u>Limit</u>
Soluble lead.....	<2mg/kg	<2mg/kg	<2mg/kg	90mg/kg
Soluble cadmium.....	<2mg/kg	<2mg/kg	<2mg/kg	75mg/kg
Soluble chromium.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble barium.....	<2mg/kg	<2mg/kg	<2mg/kg	1000mg/kg
Soluble antimony.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble arsenic.....	<2mg/kg	<2mg/kg	<2mg/kg	25mg/kg
Soluble mercury.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble selenium.....	<2mg/kg	<2mg/kg	<2mg/kg	500mg/kg

	<u>m</u>	<u>n</u>	<u>o</u>	<u>Limit</u>
Soluble lead.....	<2mg/kg	<2mg/kg	<2mg/kg	90mg/kg
Soluble cadmium.....	<2mg/kg	<2mg/kg	<2mg/kg	75mg/kg
Soluble chromium.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble barium.....	<2mg/kg	4mg/kg	4mg/kg	1000mg/kg
Soluble antimony.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble arsenic.....	<2mg/kg	<2mg/kg	<2mg/kg	25mg/kg
Soluble mercury.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble selenium.....	<2mg/kg	<2mg/kg	<2mg/kg	500mg/kg

	<u>p</u>	<u>q</u>	<u>r</u>	<u>Limit</u>
Soluble lead.....	<2mg/kg	<2mg/kg	<2mg/kg	90mg/kg
Soluble cadmium.....	<2mg/kg	<2mg/kg	<2mg/kg	75mg/kg
Soluble chromium.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble barium.....	4mg/kg	9mg/kg	5mg/kg	1000mg/kg
Soluble antimony.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble arsenic.....	<2mg/kg	<2mg/kg	<2mg/kg	25mg/kg
Soluble mercury.....	<2mg/kg	<2mg/kg	<2mg/kg	60mg/kg
Soluble selenium.....	<2mg/kg	<2mg/kg	<2mg/kg	500mg/kg

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	<u>s</u>	<u>Limit</u>
Soluble lead.....	<2mg/kg	90mg/kg
Soluble cadmium.....	<2mg/kg	75mg/kg
Soluble chromium.....	<2mg/kg	60mg/kg
Soluble barium.....	<2mg/kg	1000mg/kg
Soluble antimony.....	<2mg/kg	60mg/kg
Soluble arsenic.....	<2mg/kg	25mg/kg
Soluble mercury.....	<2mg/kg	60mg/kg
Soluble selenium.....	<2mg/kg	500mg/kg

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

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Appendix for Photos of the Submitted Sample



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