

16942



BUREAU VERITAS

CONSUMER PRODUCTS SERVICES DIVISION

TOMY UK LIMITED

Technical Report: (8513)233-0321  
Date Received: August 21, 2013

September 09, 2013  
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JOHNSON SU / JOHNSON SU  
TOMY (SHENZHEN) LTD  
BLOCK B, 11/F, WEJINDU CUSTOMS DECLARATION  
BLDG  
NO 1028 SOUTH DONGMEN ROAD  
SHENZHEN, GUANGDONG  
CHINA

Sample Description: POPOID SET  
1.) EDUCATION 140 SET  
2.) EDUCATION 70 PC SET  
3.) ANIMAL SET + MAN  
4.) SMALL ANIMAL SET

Vendor: N/A  
Manufacturer: N/A

Sample Size: 12  
Style No(s): T5224P, T5235P,  
T5257P, T5268P

Buyer: N/A  
Labeled Age Grade: NOT PRESENT  
Appropriate Age Grade: NOT REQUESTED  
Client Specified Age Grade: NOT SPECIFIED

SKN/SKU No.: N/A  
PO No.: N/A  
Ref #: N/A  
Country of Origin: NO INFORMATION

Tested Age Grade: N/A  
UPC Code: N/A

Assortment No.: N/A  
Test Starting Date: AUGUST 21,2013  
Test Finished Date: SEPTEMBER 09,2013

EXECUTIVE SUMMARY:

The sample(s) MEET the following requirement(s):

- The migration of certain elements requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2013.

BUREAU VERITAS SHENZHEN CO.,LTD

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AC/kg

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**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2011, CR 14379:2002 "Classification of toys-Guidelines" prepared by Technical Committee CEN TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).	
Note :	The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
Note :	If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

**MIGRATION OF CERTAIN ELEMENTS (European Standard EN 71 Part 3: 2013)**

Test Method : European Standard EN 71 Part 3: 2013, Annex E.

Class: Category III - Scraped off toy material

Sample Identity	Color	Location	Style
A.	Black coating	Facial feature	1,2,3,4
B.	Yellow plastic	Body	1,2,3,4
C.	Soft yellow plastic	Limbs	1,2,3,4
D.	Green plastic	Head	3,4
E.	Orange plastic	Body	3,4
F.	Black/ green printed white paper sticker	Paper sticker	3
G.	Bright blue plastic	Head shoes & body	1,2,3,4
H.	Blue plastic	Limbs	1,2,3,4
I.	Light blue plastic	Limbs	1,2,3,4
J.	Red plastic	Head wheel shoes & body	1,2,3,4
K.	Soft red plastic	Limbs	1,2,3,4
L.	White plastic	Head & body	1,2,3
M.	Bright white plastic	Hands	1,2,3







**RESULTS:**

**MIGRATION OF CERTAIN ELEMENTS (European Standard EN 71 Part 3: 2013)**

Test Method : European Standard EN 71 Part 3: 2013, Annex E.

Class: Category III - Scraped off toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Sample ID					
		M.	-	-	-	-	-
Aluminium (Al)	70000	2	-	-	-	-	-
Arsenic (As)	47	LT 2	-	-	-	-	-
Boron (B)	15000	LT 2	-	-	-	-	-
Barium (Ba)	18750	LT 2	-	-	-	-	-
Cadmium (Cd)	17	LT 2	-	-	-	-	-
Cobalt (Co)	130	LT 2	-	-	-	-	-
Chromium III (Cr III)	460	LT 0.15	-	-	-	-	-
Chromium VI (Cr VI)	0.2		-	-	-	-	-
Copper (Cu)	7700	16	-	-	-	-	-
Mercury (Hg)	94	LT 2	-	-	-	-	-
Manganese (Mn)	15000	LT 2	-	-	-	-	-
Nickel (Ni)	930	LT 2	-	-	-	-	-
Lead (Pb)	160	LT 2	-	-	-	-	-
Antimony (Sb)	560	LT 2	-	-	-	-	-
Selenium (Se)	460	LT 2	-	-	-	-	-
Tin (Sn)	180000	3	-	-	-	-	-
Organic tin	12	7	-	-	-	-	-
Strontium (Sr)	50000	LT 2	-	-	-	-	-
Zinc (Zn)	46000	40	-	-	-	-	-
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		Pass	-	-	-	-	-

mg/kg = milligrams per kilogram (ppm=parts per million) LT = Less Than  
 \* = Average of duplicate analysis FR = Failed Result  
 Organic tin = migration of total organic tin is expressed as tributyl tin cation content in mg/kg  
 # = Verified results (see note)

**Remark:**

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.

**Note:**

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: In house Ion-chromatography analysis
- Organic tin: EN71 part 3:2013, Annex G by Gas Chromatography – Mass Spectroscopy analysis.



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**RESULTS:**



END OF REPORT