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British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**Test Report**

Number: HKGH01642099

Applicant: NEAT-OH! INTERNATIONAL, LLC  
790 W FRONTAGE ROAD SUITE 303  
NORTHFIELD  
IL 60093  
USA  
Attn: ELAN FELDMAN

Date: May 24, 2014

Submitted sample said to be :  
Item Name

- : (1) Neat-Oh!® Everyday Princess Series™ Emma Doll & Bean Bag Chair
- : (2) Neat-Oh!® Everyday Princess Series™ Sophie Doll & Bean Bag Chair
- : (3) Neat-Oh!® Everyday Princess Series™ Haley Doll & Bean Bag Chair

Item No.

: A1838XX, A1839XX, A1840XX

Quantity

: 6 sets

Labelled Age Group

: "3+"

Packaging Provided

: Yes

Manufacturer

: Shanghai Stanly Home-Deco Manufacturing Company Limited

Country of Origin

: China



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To be continued

For and on behalf of :  
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung  
Vice President





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**Conclusion:**

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

<u>Requirement</u>	<u>Result</u>
(1) EN71-1 : 2011 - Mechanical and Physical properties	Pass
(2) EN71-2 : 2011 - Flammability test	Pass
(3) EN71-3 : 2013 - Migration of certain elements	Pass
(4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 835/2012 - Cadmium content requirement	Pass
(5) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) - Phthalates content	Pass
(6) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment no. 552/2009 and 126/2013 (formerly known as Directive 2002/61/EC) - Azocolourants content requirement	Pass

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For and on behalf of :  
Intertek Testing Services HK Ltd.

Angel Y.F. Cheung  
Vice President



**Test Report**

Number: HKGH01642099

Tests Conducted

(1) Mechanical and Physical Test

Test Standard : European Standard on Safety of toys EN71-1 : 2011.

Age group for testing : Ages over 3 years.

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	Toys intended for children under 36 months	
5.1	General requirements for children under 36 months	P (For plush ball)
5.2	Soft-filled toys and soft-filled parts of a toy	P (For plush ball)
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA





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Clause	Testing items	Assessment
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P#
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inlineskates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA

Remark : P = Pass

NA = Not Applicable

Note: The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.

# = Age warning statement, graphical symbol and the indication of hazard was found on the packaging.

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**Test Report**

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Tests Conducted

(3) 19 Toxic Element Migration Test

Test Standard : EN71-3:2013

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Limit (mg/kg)
	(7)	(8)	(9)	(10)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	13	< 10	< 10	180000
Organic tin **	< 2.0	< 2.0 $\Delta$	< 2.0	< 2.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(11)	(12)	(13)	(14)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	22	< 10	180000
Organic tin **	< 2.0	< 2.0	2.6 $\Delta$	< 2.0	12
Zinc (Zn)	< 100	360	< 100	< 100	46000

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Element	Result (mg/kg)				Limit (mg/kg)
	(15)	(16)	(17)	(18)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	19	< 10	< 10	< 10	180000
Organic tin **	2.7Δ	< 2.0	< 2.0	< 2.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(19)	(20)	(21)	(22)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin **	< 2.0	< 2.0	< 2.0	< 2.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

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Element	Result (mg/kg)				Limit (mg/kg)
	(23)	(24)	(25)	(26)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	30	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin **	< 2.0	< 2.0	< 2.0	< 2.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(27)	(28)	(29)	(30)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin **	< 2.0	< 2.0	< 2.0	< 2.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

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Element	Result (mg/kg)				Limit (mg/kg)
	(31)	(32)	(33)	(34)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	12	180000
Organic tin **	< 2.0	< 2.0	< 2.0	2.1Δ	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)					Limit (mg/kg)
	(35)	(36)	(37)	(38)	(39)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	29	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	180000
Organic tin **	4.0Δ	< 2.0	< 2.0	< 2.0	< 2.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	46000

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Tests Conducted

Remark : mg/kg = milligram per kilogram  
\*\* = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.  
- Organic tin test result was expressed as tributyl tin.  
- As per EC decision 2013/492/EU of 7 October 2013 and in accordance with the Court's Order of 15 May 2013 in case T-198/12R , the European Commission authorizes that the national provisions notified by the Federal Republic of Germany concerning limit values for Antimony (Sb) (60mg/kg), Arsenic (As) (25 mg/kg), Mercury (Hg) (60 mg/kg), Barium (Ba) (1000 mg/kg) and Lead (Pb) (90 mg/kg) in toys be maintained beyond 20 July 2013.  
Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

Tested Components :

- (1) @Brown coating on plastic (eyebrow of all style doll).
- (2) @Pale pink coating on plastic (eye shadow of all style doll).
- (3) @Black coating on plastic (eye ball of all style doll).
- (4) @White coating on plastic (eyes of all style doll).
- (5) @Pink coating on plastic (lip of all style doll).
- (6) @Light brown coating on plastic (face of all style doll).
- (7) Flesh color plastic (head of all style doll).
- (8) Pale flesh color plastic (hands and legs of all style doll).
- (9) Light flesh color plastic (upper body of all style doll).
- (10) Pink plastic (brush in red cloth doll style).
- (11) Light pink plastic (dryer in red cloth doll style).
- (12) White elastic band (head ornament of all style doll).
- (13) Transparent pink plastic (diving goggles and eyewear in green cloth doll style).
- (14) Pale pink plastic (shovel and fork in pink cloth doll style).
- (15) Green plastic (water bottle in pink cloth doll style).
- (16) Light gold color plastic string (hair of red cloth doll).
- (17) Gold color plastic string (hair of green cloth doll).
- (18) Brown plastic string (hair of pink cloth doll).
- (19) Translucent plastic (velcro hook of all style clothes).
- (20) Purple woven (ball in red cloth doll style).
- (21) Pink woven (ball in green cloth doll style).
- (22) Blue woven (ball in pink cloth doll style).
- (23) Red ribbon with red thread (head ornament in red cloth doll style).
- (24) Green ribbon with green thread (head ornament in green cloth doll style).
- (25) Orange ribbon (swimsuit in green cloth doll style).
- (26) Pink ribbon with pink thread (head ornament in pink cloth doll style).
- (27) Green mesh (swimsuit in green cloth doll style).
- (28) White mesh (all style clothes).
- (29) Yellow knit with orange thread (swimsuit in green cloth doll style).
- (30) Red fabric with red thread (upper cloth of red cloth doll).
- (31) Green fabric with green thread (upper cloth of green cloth doll).
- (32) Pink fabric with pink thread (upper cloth of pink cloth doll).
- (33) Beige fabric with beige thread (shorts of red cloth doll).
- (34) Purple fabric with purple thread (shorts of green cloth doll).
- (35) Light blue fabric with light blue thread (shorts of pink cloth doll).
- (36) Light purple fabric with light purple thread and printings (dress in red cloth doll style).
- (37) Light green fabric with light green thread (upper cloth in green cloth doll style).
- (38) Blue/ white fabric with blue thread (dress in pink cloth doll style).

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Tested Components :

- (39) White fabric (velcro loop of all style clothes).
- (40) Red coating on (upper cloth of red cloth doll).
- (41) Yellow coating on (upper cloth of red cloth doll).
- (42) Blue coating on (upper cloth of green cloth doll).
- (43) Dark blue coating on (upper cloth of green cloth doll).

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Date sample received : May 02, 2014 and May 14, 2014

Testing period : May 02, 2014 to May 20, 2014

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(4) Cadmium (Cd) Content

Test Method : Cadmium content requirement in Commission Regulation (EU) No. 835/2012 amending Annex XVII Item 23 of the REACH Regulation (EC) No. 1907/2006, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %
(1/2)	ND
(3/4)	ND
(5/6)	ND
(7/8/9)	ND
(10/11/12)	ND
(13/14/15)	ND
(16/17)	ND
(18/19)	ND
(20)	ND
(21/22)	ND
(23/24)	ND

Limit:

Category	Limit (%)
Wet paint	Not permitted
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

ND = Not detected (< 0.0005%)

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Tested Components :

- (1) Brown coating on plastic (eyebrow of all style doll).
- (2) Pale pink coating on plastic (eye shadow of all style doll).
- (3) Black coating on plastic (eye ball of all style doll).
- (4) White coating on plastic (eyes of all style doll).
- (5) Pink coating on plastic (lip of all style doll).
- (6) Red coating on plastic (face of all style doll).
- (7) Flesh color plastic (head of all style doll).
- (8) Pale flesh color plastic (hands and legs of all style doll).
- (9) Light flesh color plastic (upper body of all style doll).
- (10) Pink plastic (brush in red cloth doll style).
- (11) Light pink plastic (dryer in red cloth doll style).
- (12) White elastic band (head ornament of all style doll).
- (13) Transparent pink plastic (diving goggles and eyewear in green cloth doll style).
- (14) Pale pink plastic (shovel and fork in pink cloth doll style).
- (15) Green plastic (water bottle in pink cloth doll style).
- (16) Light gold color plastic string (hair of red cloth doll).
- (17) Gold color plastic string (hair of green cloth doll).
- (18) Brown plastic string (hair of pink cloth doll).
- (19) Translucent plastic (velcro hook of all style clothes).
- (20) Flesh color plastic with coatings (head of all style doll).
- (21) Red coating on (upper cloth of red cloth doll).
- (22) Yellow coating on (upper cloth of red cloth doll).
- (23) Blue coating on (upper cloth of green cloth doll).
- (24) Dark blue coating on (upper cloth of green cloth doll).

Date sample received : May 02, 2014, May 14, 2014 and May 15, 2014

Testing period : May 02, 2014 to May 20, 2014

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**Test Report**

Number: HKGH01642099

Tests Conducted

(5) Phthalate Content Test

Test Method : EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	Result (% , w/w)				Limit (% , w/w) (max.)
	(1/2/3)	(4/5/6)	(7/8/9)	(10/11/12)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	0.1

	Result (% , w/w)				Limit (% , w/w) (max.)
	(13/14/15)	(16/17)	(18/19)	(20/21/22)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	0.1

	Result (% , w/w)				Limit (% , w/w) (max.)
	(23/24)	(25/26)	(27/29)	(28/30)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	0.1

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**Test Report**

Number: HKGH01642099

Tests Conducted

	Result (% w/w)				Limit (% w/w) (max.)
	(31/32)	(33/34)	(35/36)	(37)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	0.1

	Result (% w/w)				Limit (% w/w) (max.)
	(38/39)	(40)	(41/42)	(43/44)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	--	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	--	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	--	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	--	<0.01	<0.01	0.1

Remark : The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) for phthalate content in toys and childcare articles.

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**Test Report**

Number: HKGH01642099

Tests Conducted

Tested components :

- (1) Brown coating on plastic (eyebrow of all style doll).
- (2) Pale pink coating on plastic (eye shadow of all style doll).
- (3) Black coating on plastic (eye ball of all style doll).
- (4) White coating on plastic (eyes of all style doll).
- (5) Pink coating on plastic (lip of all style doll).
- (6) Red blush on plastic (face of all style doll).
- (7) Flesh color plastic (head of all style doll).
- (8) Pale flesh color plastic (hands and legs of all style doll).
- (9) Light flesh color plastic (upper body of all style doll).
- (10) Pink plastic (brush in red cloth doll style).
- (11) Light pink plastic (dryer in red cloth doll style).
- (12) White elastic band (head ornament of all style doll).
- (13) Transparent pink plastic (diving goggles and eyewear in green cloth doll style).
- (14) Pale pink plastic (shovel and fork in pink cloth doll style).
- (15) Green plastic (water bottle in pink cloth doll style).
- (16) Light gold color plastic string (hair of red cloth doll).
- (17) Gold color plastic string (hair of green cloth doll).
- (18) Brown plastic string (hair of pink cloth doll).
- (19) Translucent plastic (velcro hook of all style clothes).
- (20) Purple woven (ball in red cloth doll style).
- (21) Pink woven (ball in green cloth doll style).
- (22) Blue woven (ball in pink cloth doll style).
- (23) Red ribbon with red thread (head ornament in red cloth doll style).
- (24) Green ribbon with green thread (head ornament in green cloth doll style).
- (25) Orange ribbon (swimsuit in green cloth doll style).
- (26) Pink ribbon with pink thread (head ornament in pink cloth doll style).
- (27) Green mesh (swimsuit in green cloth doll style).
- (28) White mesh (all style clothes).
- (29) Yellow knit with orange thread (swimsuit in green cloth doll style).
- (30) Red fabric with red thread (upper cloth of red cloth doll).
- (31) Green fabric with green thread (upper cloth of green cloth doll).
- (32) Pink fabric with pink thread (upper cloth of pink cloth doll).
- (33) Beige fabric with beige thread (shorts of red cloth doll).
- (34) Purple fabric with purple thread (shorts of green cloth doll).
- (35) Light blue fabric with light blue thread (shorts of pink cloth doll).
- (36) Light purple fabric with light purple thread and printings (dress in red cloth doll style).
- (37) Light green fabric with light green thread (upper cloth in green cloth doll style).
- (38) Blue/ white fabric with blue thread (dress in pink cloth doll style).
- (39) White fabric (velcro loop of all style clothes).
- (40) Dull white stuffing (balls of all style doll) (internal).
- (41) Red heat transfer coating on fabric (upper cloth of red cloth doll).
- (42) Yellow heat transfer coating on fabric (upper cloth of red cloth doll).
- (43) Blue heat transfer coating on fabric (upper cloth of green cloth doll).
- (44) Dark blue heat transfer coating on fabric (upper cloth of green cloth doll).

Date sample received : May 02, 2014 and May 13, 2014

Testing period : May 02, 2014 to May 16, 2014

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**Test Report**

Number: HKGH01642099

Tests Conducted

(6) Detection Of Amines Derived From Azocolourants and Azodyes

Test Method : By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis.

Test Standard : EN 14362-1 : 2012 for Textile Material  
EN ISO 17234-1: 2010 for Leather Material  
EN 14362-3 : 2012 & EN ISO 17234-2: 2011 for p-Aminoazobenzene

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>(1/2/3)</u>	<u>Result</u> <u>(4/6/8)</u>	<u>(5/7)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N
2.	Benzidine	92-87-5	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14.	p-Cresidine	120-71-8	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N
18.	o-Toluidine	95-53-4	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N
21.	o-Anisidine	90-04-0	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N

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 British Standards Institute

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 Hong Kong Toys Council

**Test Report**

Number: HKGH01642099

Tests Conducted

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>		
			<u>(9/10/11)</u>	<u>(12/13)</u>	<u>(14/15)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N
2.	Benzidine	92-87-5	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14.	p-Cresidine	120-71-8	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N
18.	o-Toluidine	95-53-4	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N
21.	o-Anisidine	90-04-0	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N

Remark : N = Not detected  
 Detection limit = 5 ppm  
 Requirement = 30 ppm (max.)  
 ppm = parts per million = mg/kg

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British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**Test Report**

Number: HKGH01642099

Tests Conducted

Tested components :

- (1) Pink woven (ball in green cloth doll style).
- (2) Blue woven (ball in pink cloth doll style).
- (3) Purple woven (ball in red cloth doll style).
- (4) Yellow knit (swimsuit in green cloth doll style).
- (5) Red fabric with (yellow, red, grey) heat transfer coatings (upper cloth of red cloth doll).
- (6) Red fabric (upper cloth of red cloth doll).
- (7) Green fabric with (blue, dark blue) heat transfer coatings (upper cloth of green cloth doll).
- (8) Green fabric (upper cloth of green cloth doll).
- (9) Pink fabric (upper cloth of pink cloth doll).
- (10) Beige fabric (shorts of red cloth doll).
- (11) Purple fabric (shorts of green cloth doll).
- (12) Light blue fabric (shorts of pink cloth doll).
- (13) Light purple fabric with printings (dress in red cloth doll style).
- (14) Light green fabric (upper cloth in green cloth doll style).
- (15) Blue/ white fabric (dress in pink cloth doll style).

Date sample received : May 02, 2014 and May 13, 2014

Testing period : May 02, 2014 to May 16, 2014

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End of report

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