

Hong Kong Government Recognized Service Supplier  
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute  
American Society for Testing and Materials  
British Standards Institute

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

**Test Report**

Number: HKGH01145240

Applicant: NEAT-OH! INTERNATIONAL, LLC  
790 FRONTAGE ROAD SUITE 303  
NORTHFIELD  
IL 60093  
USA  
Attn: WAYNE H ROTHSCHILD/ELLEN LAU

Date: May 09, 2011

**Sample Description:**

Twelve (12) pieces of submitted sample said to be :

- Item Name : **A1466XX Barbie Clutch**
- : **A1479XX Barbie Winter Bag**
- Labelled Age Group : "3+"
- Packaging Provided : Yes
- Vendor : Takepoint
- Country of Origin : China



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**Tests conducted:**

As requested by the applicant, refer to attached page(s) for details.

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To be continued

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

Karen S.C. Ng  
General Manager





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**Test Report**

Number: HKGH01145240

**Conclusion:**

Tested Samples  
Submitted samples

Standard

U.S. ASTM F963-08 Physical and mechanical tests

Result

Pass

U.S. ASTM F963-08 for flammability test of materials other than textile materials

Pass

U.S. ASTM F963-08 for flammability test of textile materials

Not Applicable

U.S. CFR Title 16 (CPSC Regulations)  
mechanical and physical tests  
1500.48 Sharp point  
1500.49 Sharp edge

Pass

U.S. CFR Title 16 (CPSC Regulations)  
Part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids

Pass

Tested components of submitted samples

U.S. ASTM F963-08 Section 4.3.7 for stuffing materials - loose filler of stuffed toys

Pass

U.S. ASTM F963-08 for toxic elements test

Pass

U.S. Code of Federal Regulations Title 16 CFR 1303 for total Lead content in surface coating

Pass

U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in surface coating

Pass

U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in non-surface coating materials (substrate)

Pass

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To be continued

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

Karen S.C. Ng  
General Manager





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**Test Report**

Number: HKGH01145240

Conclusion :

Tested Samples  
Tested components of  
submitted samples

Standard  
Lead content requirement in the Consent Judgement no.  
BG-350969 / RG-356892 settled by Superior Court of the  
State of California for the County of Alameda, for toys  
(designed for or reasonable used by children under six  
years of age) based on the California Proposition 65

Result  
See Details Enclosed

Phthalate content requirement in the consent judgement  
No. BG07350969 settled by superior court of the state of  
California for the county of Alameda, for toys (designed  
for or reasonable used by children under six years of age)  
based on the California Proposition 65

See details enclosed

U.S. Consumer Product Safety Improvement Act 2008  
Title I, Section 108 requirement on phthalate

Pass

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

Karen S.C. Ng  
General Manager



**Test Report**

Number: HKGH01145240

Tests Conducted

1 Physical And Mechanical Tests

As per the ASTM Standard Consumer Safety Specification for Toy Safety F963-08.

Applicant's specified age group for testing : Ages over 3 years.

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations : -

<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact test	Section 1500.53(b)	4 x 3.0 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleaningless)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Packaging film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices, such as helmets, hats and goggles	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA



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<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings - name of producer/distributor (toy and package) - address (toy and package)	Yes Yes

Remark : P = Pass

NA = Not applicable

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.18 and 8.20 through 8.25 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Date sample received : Apr 26, 2011

Testing period : Apr 26, 2011 to May 03, 2011

2 Flammability Test

As per Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-08.

<u>Sample</u>	<u>Ignition point</u>	<u>Burn length</u> (inch)	<u>Time</u> (sec)	<u>Burn rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Clutch	Edge	5.8	60	0.10	0.10

All styles of the submitted toy samples were tested, the above result only showed the most severe burn rate of the samples.

Date sample received : Apr 26, 2011

Testing period : Apr 26, 2011 to May 03, 2011

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3 Flammability Test

As per Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-08.

Assessment : Not Applicable

4 Stuffing Materials Test

As per A.O.A.C. Official Methods of Analysis, 15<sup>th</sup> ed Chapter 16, and U.S. Pennsylvania Regulation for Stuffed Toys Title 34, Chapter 47, Section 47.317.

Examination of objectionable matter of loose filler :

The tested components (1) (2) (3) of submitted sample were found to be free of objectionable matter originating from insect, bird, rodent or other animal infestation and of contaminants, such as splinters and metal clips.

Tested components :

- (1) White foam.
- (2) Whit sponge.
- (3) White plastic plate.

Date sample received : Apr 26, 2011 and Apr 30, 2011

Testing period : Apr 26, 2011 to May 05, 2011

5 Toxic Elements Analysis (Soluble Heavy Metals Content)

As per Section 4.3.5.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-08, acid extraction method was used and toxic elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result in ppm</u>	<u>Limit ppm</u>
Sol. Barium (Ba)	<5	1000
Sol. Lead (Pb)	<5	90
Sol. Cadmium (Cd)	<5	75
Sol. Antimony (Sb)	<5	60
Sol. Selenium (Se)	<5	500
Sol. Chromium (Cr)	<5	60
Sol. Mercury (Hg)	<5	60
Sol. Arsenic (As)	<2.5	25

Sol. = Soluble

< = Less than

ppm = parts per million

Tested Component: Coatings (black/white) on woven (sewn-in label).

Date sample received : Apr 26, 2011

Testing period : Apr 26, 2011 to May 06, 2011

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**Tests Conducted**

**6 Toxic Elements Analysis (Total Lead Content)**

As per Section 4.3.5.1 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-08, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u> (1/2)	<u>Result in ppm</u> <20	<u>Limit (ppm)</u> 90
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ppm = parts per million  
< = Less than

Tested Components :

- (1) Coatings (black/white) on woven (sewn-in label).
- (2) White coatings on satin (barbie logo).

Remark :

Since the sample weight of coating(s) of the tested component (2) was less than 10 mg, soluble heavy metals content analysis were not applicable.

Date sample received : Apr 26, 2011 and May 05, 2011

Testing period : Apr 26, 2011 to May 06, 2011

**7 Physical and Mechanical Test**

As per U.S. code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Applicant's specified age group for testing : Ages over 3 years.

	<u>No. of sample tested</u>	<u>Sharp point</u> (1500.48)	<u>Sharp edge</u> (1500.49)	<u>Small part</u> (1501)
As received	2	P	P	NA
Impact (1500.53(b))	1	P	P	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	P	NA
Tension (1500.53(f))	1	P	P	NA
Compression (1500.53(g))	1	P	P	NA

Remark : P = Pass  
NA = Not applicable

Date sample received : Apr 26, 2011

Testing period : Apr 26, 2011 to May 03, 2011

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8 Flammability Test

As per U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

<u>Sample</u>	<u>Ignition point</u>	<u>Burn length</u> (inch)	<u>Time</u> (sec)	<u>Burn rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Clutch	Edge	5.8	60	0.10	0.10

All styles of the toy sample were tested, the above result only showed the most severe burn rate.

Date sample received : Apr 26, 2011

Testing period : Apr 26, 2011 to May 03, 2011

9 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings (April 26, 2009), test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u> (1/2)	<u>Result in ppm</u> <20	<u>Limit in ppm</u> 90

ppm = mg/kg = milligram per kilogram

< = Less than

Tested Component :

- (1) Coatings (black/white) on woven (sewn-in label).
- (2) White coatings on satin (barbie logo).

Date sample received : Apr 26, 2011 to May 05, 2011

Testing period : Apr 26, 2011 to May 06, 2011

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Tests Conducted

10 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

As per Standard Operating Procedures for Determining Total Lead (Pb) in Children's Products, test methods CPSC-CH-E1002-08.1 and/or CPSC-CH-E1001-08.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit in ppm</u>
(1/2/4)	<20	300
(3)	<20	300
(5)	53	300
(6)	60	300
(7/8/9)	<20	300

As of August 14, 2011, the limit for total Lead content will be lowered to 100 ppm unless the CPSC determines that a limit of 100 ppm is not technologically feasible for a product or product category.

ppm = parts per million  
< = Less than

Tested Components :

- (1) Transparent plastic (small bag).
- (2) Purple elastic band (small bag).
- (3) Transparent plastic Sheet with inaccessible coatings and backing (small/big bags).
- (4) Transparent purple plastic (zipper teeth).
- (5) Silver colour metal (zipper head).
- (6) Silver colour metal (button).
- (7) Translucent white plastic (internal) (backing of small bag).
- (8) White foam (internal) (backing of small bag).
- (9) Translucent white foam (internal) (backing of big bag).

Date sample received : Apr 26, 2011  
Testing period : Apr 26, 2011 to May 05, 2011

11 CPSIA Normal and Reasonably Foreseeable Use and Abuse

With reference to U.S. Code of Federal Regulations Title 16 Part 1500.48, 1500.49, 1500.51, 1500.52 and 1500.53.

Applicant's specified age group for testing : Ages over 3 years.

Result : After testing, no internal component was exposed and accessible on the submitted samples.

Date sample received : Apr 26, 2011  
Testing period : Apr 26, 2011 to Apr 27, 2011

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Tests Conducted

12 Total Lead (Pb) content

With reference to US EPA method 3050B, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

<u>Tested Component</u>	<u>Result in %</u>	<u>Limit in %</u>
(1/2)	<0.002	0.009

(II) Non-surface coating

<u>Tested Component</u>	<u>Result in %</u>	<u>Limit in %</u>
(3/4/6)	<0.002	0.03
(5)	<0.002	0.03
(7/8)	<0.002	0.03
(9/10)	<0.002	0.03
(11/12)	<0.002	0.03
(13/14)	<0.002	0.03
(15)	0.005	0.03
(16)	0.006	0.03
(17/18/19)	<0.002	0.03

The above limit was quoted from the Consent Judgement no. BG-350969, RG-356892 / RG-356892 settled by Superior Court of the State of California for the County of Alameda, for toys based on the California Proposition 65.

Remark :

< = less than

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Tests Conducted

Tested Components :

- (1) Coatings (black/white) on woven (sewn-in label).
- (2) White coatings on satin (barbie logo).
- (3) Transparent plastic (small bag).
- (4) Purple elastic band (small bag).
- (5) Transparent plastic Sheet with inaccessible coatings and backing (small/big bags).
- (6) Transparent purple plastic (zipper teeth).
- (7) White embroidery thread (badge).
- (8) Purple embroidery thread (badge).
- (9) Purple satin (cover of small bag) with purple thread.
- (10) White woven excluding black/white coatings (sewn-in label).
- (11) Purple webbing with dark pink thread (edge of zipper).
- (12) Purple fabric (zipper tape).
- (13) Purple ribbon (big bag).
- (14) 7mm white plush (big bag).
- (15) Silver colour metal (zipper head).
- (16) Silver colour metal (button).
- (17) Translucent white plastic (internal) (backing of small bag).
- (18) White foam (internal) (backing of small bag).
- (19) Translucent white foam (internal) (backing of big bag).

Date sample received : Apr 26, 2011 and May 05, 2011

Testing period : Apr 26, 2011 to May 06, 2011

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Tests Conducted

13 Phthalate Content Test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(1/2)</u>	<u>(3/4)</u>	<u>(5/6)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DnHP)	<0.01	<0.01	<0.01	0.1

Remark: The above limit was quoted from the consent judgement No. BG07350969 settled by superior court of the state of California for the county of Alameda, for toys (designed for or reasonable used by children under six years of age) based on the California Proposition 65.

< = Less than

Tested Components :

- (1) Coatings (black/white) on woven (sewn-in label).
- (2) White coating on fabric (Barbie logo).
- (3) Transparent plastic (small bag).
- (4) Purple elastic band (small bag/ big bags).
- (5) Transparent plastic sheet with inaccessible coatings and backing (inside of bag).
- (6) Transparent purple plastic.

Date sample received : Apr 26, 2011 and Apr 30, 2011  
 Testing period : Apr 26, 2011 to May 04, 2011

14 Phthalate Content Test

As per Standard Operating Procedure for Determining Phthalates, test method CPSC-CH-C1001-09.3 was used and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (% w/w)</u>				<u>Limit (% w/w)</u>
	<u>(1/2)</u>	<u>(3/4)</u>	<u>(5/6)</u>	<u>(7/8/9)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--	0.1
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--	0.1

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Tests Conducted

Remark : The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

< = Less than

Tested Components :

- (1) Coatings (black/white) on woven (sewn-in label).
- (2) White coating on fabric (Barbie logo).
- (3) Transparent plastic (small bag).
- (4) Purple elastic band (small bag/ big bags).
- (5) Transparent plastic sheet with inaccessible coatings and backing (inside of bag).
- (6) Transparent purple plastic.
- (7) Translucent white plastic (backing of small bag) (internal).
- (8) White foam (backing of small bag) (internal).
- (9) Translucent white foam (backing of big bag) (internal).

Date sample received : Apr 26, 2011 and Apr 30, 2011

Testing period : Apr 26, 2011 to May 04, 2011

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End of report

