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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: HKGH01579949

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

Date: Dec 06, 2013

Sample Description:

Three (3) sets of submitted sample said to be :

- Item Name : Neat-oh! @Everyday Princess™ Lifesize Fairy Castle/ Neat-oh! @Knights Lifesize Play Castle
- Item No. : A1835XX/ A1836XX
- Labelled Age Group : "3+"
- Packaging Provided : Yes (Print Proof)
- Manufacturer : International Paper (Panyu GuangZhou) Packaging Co Ltd
- Country of Origin : China



Tests conducted:

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

To be continued

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

Angel Y.F. Cheung
Vice President





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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample sets	U.S. ASTM F963-11 for physical and mechanical tests	Pass

	U.S. ASTM F963-11 for Flammability Test of Materials other than textile materials	Pass
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Tested components of submitted sample sets	U.S. ASTM F963-11 for heavy elements test	Pass
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<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample sets	U.S. CFR Title 16 (CPSC Regulations) mechanical and physical tests	Pass

	1500.48 Sharp point	
	1500.49 Sharp edge	

	U.S. CFR Title 16 (CPSC Regulations) Part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids	Pass
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	U.S. Code of Federal Regulations Title 16 CFR 1303 for total Lead content in surface coating	Not Applicable
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	U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in surface coating	Not Applicable
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Tested components of submitted sample sets	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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	Illinois Lead Poisoning Prevention Act 410 ILCS 45 for total Lead content requirement	Pass
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To be continued

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Conclusion:

Tested Samples

Tested components of submitted sample sets

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

U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 108 for Phthalate content

Phthalate content requirement in the consent judgment No. BG-350969 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

Pass

See details enclosed

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Tests Conducted

1 Physical and Mechanical Tests

As per the ASTM Standard Consumer Safety Specification for Toy Safety F963-11.

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 : -

Test	FHSA	Parameter
Tip over test		3 times
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

Section	Testing items	Assessment
4.1	Material quality (visual check on cleanliness)	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	NA
4.12	Packaging film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps and elastics	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	P
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	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



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Section	Testing items	Assessment
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly 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 (package)	Yes Yes

Remark : P = Pass

NA= Not applicable

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.17 and 8.19 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Date sample received : Nov 25, 2013

Testing period : Nov 25, 2013 to Dec 02, 2013

2 Flammability Test

As per Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-11.

Result : Ignited but self-extinguished before burn rate could be determined

Date sample received : Nov 25, 2013

Testing period : Nov 25, 2013 to Dec 02, 2013



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Tests Conducted

3 Heavy Elements Analysis

As per Section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, acid extraction method was used and heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result in ppm</u>				<u>Limit</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>ppm</u>
Sol. Barium (Ba)	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	25

Sol. = Soluble
ppm = parts per million = mg/kg

Tested Components :

- (1) White / brown paper card with pink printing (castle).
- (2) White / brown paper card with reddish brown printing (castle).
- (3) White / brown paper card with blue printing (castle).
- (4) White / brown paper card with purple printing (castle).

Date sample received : Nov 25, 2013
Testing period : Nov 25, 2013 to Nov 29, 2013

4 Total Lead (Pb) Content in Non-Surface Coating

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.1, CPSC-CH-E1002-08.1 or/and CPSC-CH-E1003-09.1 was/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 (ppm)</u>
(1/2)	<20	100
(3/4)	<20	100

ppm = parts per million = mg/kg

Tested Components :

- (1) White / brown paper card with pink printing (castle).
- (2) White / brown paper card with reddish brown printing (castle).
- (3) White / brown paper card with blue printing (castle).
- (4) White / brown paper card with purple printing (castle).

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Tests Conducted

5 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.

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

Remark : P = Pass
NA = Not applicable

Date sample received : Nov 25, 2013
Testing period : Nov 25, 2013 to Dec 02, 2013

6 Flammability Test

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

Result: Ignited but self-extinguished before burn rate could be determined

Date sample received : Nov 25, 2013
Testing period : Nov 25, 2013 to Dec 02, 2013

7 Total Lead (Pb) Content in Surface Coating

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

Assessment : Since no scrapable surface coating was found on the submitted sample, the testing scope of CPSIA for total Lead content test was not applicable to the submitted sample.

Date sample received : Nov 25, 2013
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Tests Conducted

8 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)	<20	100
(3/4)	<20	100

ppm = parts per million = mg/kg

Tested Components :

- (1) White / brown paper card with pink printing (castle).
- (2) White / brown paper card with reddish brown printing (castle).
- (3) White / brown paper card with blue printing (castle).
- (4) White / brown paper card with purple printing (castle).

Date sample received : Nov 25, 2013

Testing period : Nov 25, 2013 to Nov 29, 2013

9 Total Lead (Pb) Content in Non-Surface Coating

As per Illinois Lead Poisoning Prevention Act 410 ILCS 45, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>	<u>Warning Statement Limit</u>	<u>Limit in %</u>
(1/2)	<0.002	<u>in %</u> --	0.01
(3/4)	<0.002	--	0.01

Tested Components :

- (1) White / brown paper card with pink printing (castle).
- (2) White / brown paper card with reddish brown printing (castle).
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- (4) White / brown paper card with purple printing (castle).

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10 Total Lead (Pb) content in Non-Surface Coating

By acid digestion method and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in %</u>	<u>Limit in %</u>
(1/2)	<0.002	0.01
(3/4)	<0.002	0.01

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

Tested Components :

- (1) White / brown paper card with pink printing (castle).
- (2) White / brown paper card with reddish brown printing (castle).
- (3) White / brown paper card with blue printing (castle).
- (4) White / brown paper card with purple printing (castle).

Date sample received : Nov 25, 2013
Testing period : Nov 25, 2013 to Nov 29, 2013

11 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>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	0.1
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	0.1

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.

Tested Components :

- (1) White / brown paper card with pink printing (castle).
- (2) White / brown paper card with reddish brown printing (castle).
- (3) White / brown paper card with blue printing (castle).
- (4) White / brown paper card with purple printing (castle).

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12 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>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DnHP)	<0.01	<0.01	0.1

Remark : The above limit was quoted from the consent judgment No. BG-350969 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.

Tested Components :

- (1) White / brown paper card with pink printing (castle).
- (2) White / brown paper card with reddish brown printing (castle).
- (3) White / brown paper card with blue printing (castle).
- (4) White / brown paper card with purple printing (castle).

Date sample received : Nov 25, 2013

Testing period : Nov 25, 2013 to Nov 29, 2013

End of report

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