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American National Standards Institute
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Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH01758034

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

Date: Feb 10, 2015

Attn: ELAN FELDMAN

Submitted sample said to be :
Item Name : Neat-Oh!® Barbie™ Full Size Play House With Sticker Sheet
Item No. : A2087XX
Quantity : 6 pieces
Labelled Age Group : "3+"
Packaging Provided : Yes
Manufacturer : Kaily Packaging Co. Ltd
Country of Origin : China



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) U.S. ASTM F963-11 for physical and Mechanical tests	Pass
(2) ASTM F963-11 for Flammability Test of Materials other than textile materials	Pass
(3) ASTM F963-11 - Soluble heavy elements test	Pass
(4) ASTM F963-11 - Total Lead content	Pass
(5) U.S. CFR Title 16 (CPSC Regulations) Part 1500.48, 1500.49 & 1501 - Sharp point, Sharp edge & Small part	Pass
(6) U.S. CFR Title 16 (CPSC Regulations) - Part 1500.3(c)(6)(vi) - Flammability test on rigid and pliable solids	Pass
(7) U.S. CFR Title 16 (CPSC Regulations) - Part 1303 - Total Lead content in surface coating	Not Applicable
U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in surface coating	Not Applicable
(8) U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in non-surface coating materials (substrate)	Pass
(9) California Proposition 65 for toys (designed for or reasonable used by children under six years of age), Consent Judgement no. BG-350969 / RG-356892 - Lead content	Pass
(10) U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 108 - Phthalate content	Pass
(11) California Proposition 65 for Toys (designed for or reasonable used by children under six years of age) , Consent judgment no. BG-350969 - Phthalate content	Pass
(12) Illinois Lead Poisoning Prevention Act 410 ILCS 45 - Total Lead content	Pass

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Tests Conducted

(1) Physical and Mechanical Tests

Test Standard : ASTM Standard Consumer Safety Specification for Toy Safety F963-11

Age group for testing : For 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
Drop 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

Clause	Requirement	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 of age	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	Projection	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and overload requirement	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	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
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





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Clause	Requirement	Assessment
4.35	Pompoms	NA
4.36	Hemispherical shaped objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
5	Labeling requirements	P
6	Instructional literature	P
7	Producer's marking	
	- Name of producer / distributor	Yes
	- Address	Yes

Abbreviation : 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 : Feb 06, 2015

Testing period : Feb 06, 2015 to Feb 09, 2015

(2) Flammability Tests

Test Standard : 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 : Feb 06, 2015

Testing period : Feb 06, 2015 to Feb 09, 2015



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Tests Conducted

(3) Heavy Elements Analysis

Test Method : Sections 8.3.2, 8.3.3, 8.3.4 and 8.3.5 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-11, acid extraction and analysed by Inductively Coupled Argon Plasma Spectrometry.

Elements	Result in ppm			Limit ppm
	(1)	(2)	(3)	
Sol. Barium (Ba)	<5	56	<5	1000
Sol. Lead (Pb)	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	25

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

Tested Components :

- (1) Paper label with plastic film (sticker).
- (2) Paper board with printings (house).
- (3) White paper sheet with black printing (instruction sheet).

Date sample received : Feb 06, 2015
 Testing period : Feb 06, 2015 to Feb 10, 2015

(4) Total Lead (Pb) Content in Non-surface coating

Test Method : Sections 4.3.5.1(1) and 4.3.5.2(2)(a) of the ASTM Standard Consumer Safety Specification for Toy Safety F963-11, CPSC-CH-E1001-08.1, CPSC-CH-E1002-08.1 or/and CPSC-CH-E1003-09.1, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit (ppm)
(1)	<20	100

ppm = parts per million = mg/kg

Tested Component : (1) Paper label with plastic film (sticker).

Date sample received : Feb 06, 2015
 Testing period : Feb 06, 2015 to Feb 10, 2015





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(5) Physical and Mechanical Test

Test Standard : 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.

Age group for testing : For Ages Over 3 Years

	<u>No. of sample tested</u>	<u>Sharp point (1500.48)</u>	<u>Sharp edge (1500.49)</u>	<u>Small part (1501)</u>
As Received	2	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

Date sample received : Feb 06, 2015
Testing period : Feb 06, 2015 to Feb 09, 2015

(6) Flammability Tests

Test Standard : 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 : Feb 06, 2015
Testing period : Feb 06, 2015 to Feb 09, 2015

(7) Total Lead (Pb) Content in Surface Coating

Test Method : Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, test method CPSC-CH-E1003-09.1, analysed by Inductively Coupled Argon Plasma Spectrometry.

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

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

Test Method : Standard Operating Procedures for Determining Total Lead (Pb) in Children's Products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	100

ppm = parts per million = mg/kg

Tested Component : (1) Paper label with plastic film (sticker).

Date sample received : Feb 06, 2015

Testing period : Feb 06, 2015 to Feb 10, 2015

(9) Total Lead (Pb) content in Non-surface coating

Test Method: Acid digestion and analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %	Limit in %
(1)	<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 Component : (1) Paper label with plastic film (sticker).

Date sample received : Feb 06, 2015

Testing period : Feb 06, 2015 to Feb 10, 2015



Test Report

Number: HKGH01758034

Tests Conducted

(10) Phthalate Content Test

Test Standard : 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.

Compounds	Result (% w/w)		Limit (% w/w) (max.)
	(1)	(2/3)	
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) Paper label with plastic film (sticker).
- (2) Paper board with printings (house).
- (3) White paper sheet with black printing (instruction sheet).

Date sample received : Feb 06, 2015
Testing period : Feb 06, 2015 to Feb 10, 2015



Test Report

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Tests Conducted

(11) Phthalate Content Test

Test method: Solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compound	Result (% w/w)		Limit (% w/w) (max.)
	(1)	(2/3)	
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
Diisononyl phthalate (DINP)	<0.01	<0.01	--

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) Paper label with plastic film (sticker).
- (2) Paper board with printings (house).
- (3) White paper sheet with black printing (instruction sheet).

Date sample received : Feb 06, 2015
Testing period : Feb 06, 2015 to Feb 10, 2015

(12) Total Lead (Pb) content in Non-surface coating

Test Method : Illinois Lead Poisoning Prevention Act 410 ILCS 45, acid digestion method and analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %	Warning Statement Limit in %	Limit in %
(1)	<0.002	--	0.01

Tested Component : (1) Paper label with plastic film (sticker).

Date sample received : Feb 06, 2015
Testing period : Feb 06, 2015 to Feb 10, 2015

End of report

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