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Members of :
American National Standards Institute
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British Standards Institute

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

Test Report

Number: HKGH01659836

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

Date: Jun 13, 2014

Submitted sample said to be :
Item Name : **Neat-Oh!® Farmland Barnyard Fort (Paper Product)**
Item No. : **A1870XX**
Quantity : 6 pieces
Labelled Age Group : "3+"
Packaging Provided : Yes
Mabufacturer : International Paper (Panyu GuangZhou) 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) ASTM F963-11 - Physical and mechanical tests	Pass
(2) ASTM F963-11 - 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) U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 108 - Phthalate content	Pass

To be continued

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Conclusion:

<u>Requirement</u>	<u>Result</u>
(10) California Proposition 65 for Toys (designed for or reasonable used by children under six years of age), Consent judgment no. BG-350969 - Phthalate content	See details enclosed
(11) 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	See details enclosed
(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 : 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



Test Report

Number: HKGH01659836

Tests Conducted

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 & package) - address (toy & 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 : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 11, 2014

(2) Flammability Test

Test Standard : Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-11.

Sample	Ignition point	Burn length (inch)	Time (sec)	Burn rate (inch/sec)	Limit (inch/sec)
Farmland barnyard fort	Edge	1.0	60	0.02	0.10

The submitted toy sample was tested, the above result only showed the most severe burn rate of the samples.

Date sample received : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 11, 2014



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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.

	Result in ppm		Limit ppm
	(1)		
Sol. Barium (Ba)	28		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
ppm = parts per million = mg/kg

Tested Component :

(1) Paper board with red/black printings (card board).

Date sample received : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 10, 2014

(4) Total Lead (Pb) Content

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.

(II) Non-surface coating

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

ppm = parts per million = mg/kg

Tested Component :

(1) Paper board with red/black printings (card board).

Date sample received : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 10, 2014



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Number: HKGH01659836

Tests Conducted

(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 : 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 : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 11, 2014

(6) Flammability Test

Test Standard : U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

Sample	Ignition point	Burn length (inch)	Time (sec)	Burn rate (inch/sec)	Limit (inch/sec)
Farmland barnyard fort	Edge	1.0	60	0.02	0.10

The toy sample was tested, the above result only showed the most severe burn rate.

Date sample received : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 11, 2014

(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.



Test Report

Number: HKGH01659836

Tests Conducted

(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-E1002-08.1 and/or CPSC-CH-E1001.08.1, 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 board with red/black printings (card board).

Date sample received : Jun 05, 2014

Testing period : Jun 05, 2014 to Jun 10, 2014

(9) 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.

Compound	Result (% w/w)	Limit (% w/w) (max.)
	(1)	
Dibutyl phthalate (DBP)	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	0.1
Di-n-octyl phthalate (DnOP)	<0.01	0.1
Diisodecyl phthalate (DIDP)	<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 Component :

(1) Paper board with red/black printings (card board).

Date sample received : Jun 05, 2014

Testing period : Jun 05, 2014 to Jun 10, 2014



Test Report

Number: HKGH01659836

Tests Conducted

(10) Phthalate Content Test

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

Compound	Result (% w/w)	Limit (% w/w) (max.)
	(1)	
Dibutyl phthalate (DBP)	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	0.1
Di-n-hexyl phthalate (DnHP)	<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 Component :

(1) Paper board with red/black printings (card board).

Date sample received : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 10, 2014

(11) Total Lead (Pb) content

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

(II) Non-surface coating

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 board with red/black printings (card board).

Date sample received : Jun 05, 2014
Testing period : Jun 05, 2014 to Jun 10, 2014





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(12) Total Lead (Pb) content

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

(II) Non-surface coating

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

Tested Component :

(1) Paper board with red/black printings (card board).

Date sample received : Jun 05, 2014

Testing period : Jun 05, 2014 to Jun 10, 2014

End of report

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