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

Test Report

Number: HKGH0175761902

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

- : (1) A1960XX Neat-Oh!® Splushy Splasher Bear
- : (2) A1961XX Neat-Oh!® Splushy Hopper Bunny
- : (3) A1963XX Neat-Oh!® Splushy Stomper Elephant
- : (4) A1964XX Neat-Oh!® Splushy Jumper Monkey

Quantity
Labelled Age Group
Packaging Provided
Country of Origin

- : 36 pieces
- : 2+
- : Yes
- : China



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 - Section 8.5.1 machine washing	See details enclosed
(3) ASTM F963-11 - Flammability test of materials other than textile materials	Pass
(4) ASTM F963-11 - Flammability test on textile materials	Pass
(5) ASTM F963-11 - Soluble heavy elements test	Pass
(6) ASTM F963-11 - Total Lead content	Pass
(7) ASTM F963-11 - Stuffing materials - fibre filler of stuffed toys	Pass
(8) U.S. Pennsylvania Regulation Section 47.317 - Stuffing material - fibre material of stuffed toys	Pass
(9) U.S. CFR Title 16 (CPSC Regulations) Part 1500.48, 1500.49 & 1501 - Sharp point, Sharp edge & Small part	Pass
(10) U.S. CFR Title 16 (CPSC Regulations) - Part 1500.3(c)(6)(vi) - Flammability test on rigid and pliable solids	Pass
(11) U.S. CFR Title 16 (CPSC Regulations) Part 1610 - Flammability Test on textile materials	Pass
(12) U.S. CFR Title 16 (CPSC Regulations) - Part 1303 - Total Lead content in surface coating U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in surface coating	Pass
(13) U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in non-surface coating materials (substrate)	Pass
(14) 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





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<u>Requirement</u>	<u>Result</u>
(15) U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 108 - Phthalate content	Pass
(16) 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
(17) Illinois Lead Poisoning Prevention Act 410 ILCS 45 - Total Lead content	Pass



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(1) Physical and Mechanical Tests

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

Age group for testing : Ages over 2 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>
Machine wash		--
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

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)	P
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	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	P



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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	P
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.

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 Testing period : Feb 05, 2015 to Feb 09, 2015

(2) Machine Washing

Test Standard : Section 8.5.1 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11.

Age group for testing : Ages over 2 years.

Observation :
 After washing, neither sharp point, sharp edge nor released small parts was found on the submitted samples.

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(3) 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)
Monkey	Head	3.5	60	0.06	0.10

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

Date sample received : Feb 05, 2015
Testing period : Feb 05, 2015 to Feb 09, 2015

(4) Flammability Test on textile materials

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

The fabric sample was tested and passed the requirements.

Tested component : Knit.

Date sample received : Feb 05, 2015
Testing period : Feb 05, 2015 to Feb 06, 2015

(5) 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	
	(1)	Limit ppm
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
ppm = parts per million = mg/kg

Tested Component : (1) Coatings (black, white) on woven (sewn in label).

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(6) 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.

(I) Surface coating

Tested Component	Result in ppm	Limit (ppm)
(1)	<20	90

(II) Non-surface coating

Tested Component	Result in ppm	Limit (ppm)
(2)	<20	100
(3)	<20	100
(4)	<20	100
(5)	<20	100

ppm = parts per million = mg/kg

Tested Components :

- (1) Coatings (black, white) on woven (sewn in label).
- (2) Multi- color printed knit with dotted pattern and green thread (outfit of monkey).
- (3) Multi- color printed knit with dotted pattern and yellow thread (outfit of bunny).
- (4) Reddish brown / dark red printed knit with dark red thread (outfit of elephant).
- (5) Multi- color printed knit with striped pattern and white thread (outfit of bear).

Date sample received : Feb 05, 2015

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(7) Stuffing Materials Test

Test Standard : A.O.A.C. Official Methods of Analysis, 15th ed Chapter 16, and U.S. Pennsylvania Regulation for Stuffed Toys Title 34, Chapter 47, Section 47.317.

Result of fibre filler :

No.	Test Item	Result	Requirement
		(1)	
1.	Materials that indicate prior use of a previous manufacturing process	Absent	Absent
2.	Dirt and foreign matter	< 0.1% (w/w)	< 1.0% (w/w)
3.	Oil and grease	0.1% (w/w)	1.0% (w/w) max.
4.	Lead (Pb) content	< 2 ppm	< 20 ppm
5.	Arsenic (As ₂ O ₃) content	< 1 ppm	< 2 ppm
6.	Ammonia (NH ₃) content	< 0.5% (w/w)	< 5.0% (w/w)
7.	Urea content	< 0.1% (w/w)	< 1.0% (w/w)
8.	Plastic or metal ornaments	Not applicable	Of safety design & prevent removal
9.	Stones or other materials having jagged or sharp edges	Absent	Absent
10.	Electrostatic charge	Complied	Not bearing electrostatic charge with adherence characteristics which when exposed could lodge in the windpipe
11.	Rate of surface burning	Complied	Burn rate – More than 3s for 12 in ²

Remark :
ppm = parts per million = mg/kg

Examination of objectionable matter of fibre :

The tested component (1) of submitted sample was 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 component : (1) White fibre.

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(8) U.S. Cleanliness Test on Stuffing Material – Pennsylvania

Test Standard : U.S. Pennsylvania Regulation for stuffed toys Title 34, Chapter 47, Section 47.317.

Item		Result Fibre	Limit
		(1)	
1.	Materials that indicate prior use of a previous manufacturing process	Absent	Absent
2.	Dirt and foreign matter	< 0.1% (w/w)	< 1.0% (w/w)
3.	Oil and grease	0.1% (w/w)	1.0% (w/w) max.
4.	Lead (Pb) content	< 2 ppm	< 20 ppm
5.	Arsenic (As ₂ O ₃) content	< 1 ppm	< 2 ppm
6.	Ammonia (NH ₃) content	< 0.5% (w/w)	< 5.0% (w/w)
7.	Urea content	< 0.1% (w/w)	< 1.0% (w/w)
8.	Plastic or metal ornaments	Not applicable	Of safety design & prevent removal
9.	Stones or other materials having jagged or sharp edges	Absent	Absent
10.	Electrostatic charge	Complied	Not bearing electrostatic charge with adherence characteristics which when exposed could lodge in the windpipe
11.	Rate of surface burning	Complied	Burn rate - more than 3s for 12 in ²

Remark :

ppm = parts per million = mg/kg

Tested component : (1) White fibre.

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(9) 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 2 years.

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

Remark : P = Pass
 NA = Not applicable

Date sample received : Feb 05, 2015
 Testing period : Feb 05, 2015 to Feb 09, 2015

(10) 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)
Monkey	Head	3.5	60	0.06	0.10

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

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(11) Flammability Test on Textile Materials

Test Standard : U.S. Code of Federal Regulations Title 16 Part 1610 standard for the Flammability of clothing textiles.

The fabric sample was tested and classified as Class 1.

Class 1 Normal flammability

Tested Component : Knit.

Date sample received : Feb 05, 2015

Testing period : Feb 05, 2015 to Feb 06, 2015

(12) 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.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	90

ppm = parts per million = mg/kg

Tested Component : (1) Coatings (black, white) on woven (sewn in label).

Date sample received : Feb 05, 2015

Testing period : Feb 05, 2015 to Feb 06, 2015





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(13) 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
(2)	<20	100
(3)	<20	100
(4)	<20	100

ppm = parts per million = mg/kg

Tested Components :

- (1) Multi- color printed knit with dotted pattern and green thread (outfit of monkey).
- (2) Multi- color printed knit with dotted pattern and yellow thread (outfit of bunny).
- (3) Reddish brown / dark red printed knit with dark red thread (outfit of elephant).
- (4) Multi- color printed knit with striped pattern and white thread (outfit of bear).

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(14) Total Lead (Pb) content

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

(I) Surface coating

Tested Component	Result in %	Limit in %
(1)	<0.002	0.009

(II) Non-surface coating

Tested Component	Result in %	Limit in %
(2)	<0.002	0.01
(3)	<0.002	0.01
(4)	<0.002	0.01
(5)	<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) Coatings (black, white) on woven (sewn in label).
- (2) Multi- color printed knit with dotted pattern and green thread (outfit of monkey).
- (3) Multi- color printed knit with dotted pattern and yellow thread (outfit of bunny).
- (4) Reddish brown / dark red printed knit with dark red thread (outfit of elephant).
- (5) Multi- color printed knit with striped pattern and white thread (outfit of bear).

Date sample received : Feb 05, 2015

Testing period : Feb 05, 2015 to Feb 06, 2015



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(15) 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)	(4/5)	
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
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

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) Coatings (black, white) on woven (sewn in label).
- (2) Multi- color printed knit with dotted pattern (outfit of monkey).
- (3) Multi- color printed knit with dotted pattern (outfit of bunny).
- (4) Reddish brown / dark red printed knit (outfit of elephant).
- (5) Multi- color printed knit with striped pattern (outfit of bear).

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(16) 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)	(4/5)	
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
Diisononyl phthalate (DINP)	<0.01	<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) Coatings (black, white) on woven (sewn in label).
- (2) Multi- color printed knit with dotted pattern (outfit of monkey).
- (3) Multi- color printed knit with dotted pattern (outfit of bunny).
- (4) Reddish brown / dark red printed knit (outfit of elephant).
- (5) Multi- color printed knit with striped pattern (outfit of bear).

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(17) 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.

(I) Surface coating

Tested Component	Result in %	Warning Statement Limit in %	Limit in %
(1)	<0.002	0.004	0.009

(II) Non-surface coating

Tested Component	Result in %	Warning Statement Limit in %	Limit in %
(2)	<0.002	--	0.01
(3)	<0.002	--	0.01
(4)	<0.002	--	0.01
(5)	<0.002	--	0.01

Tested Components :

- (1) Coatings (black, white) on woven (sewn in label).
- (2) Multi- color printed knit with dotted pattern and green thread (outfit of monkey).
- (3) Multi- color printed knit with dotted pattern and yellow thread (outfit of bunny).
- (4) Reddish brown / dark red printed knit with dark red thread (outfit of elephant).
- (5) Multi- color printed knit with striped pattern and white thread (outfit of bear).

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End of report

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