

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: HKGH01089392

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

Date: Dec 08, 2010

Sample Description:

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

- Item Name : - A1261X2 - Zipbin Wheelie
- A1293X1 - Zipbin Airport Carry Case Playmat
- A1448XX/A1449XX - Museum Dino/ Safari Playmat
- A1443XX - Zipbin Lego Duplo Toy Box and Playmat
- Labelled Age Group : "3+" (#A1261X2, #A1293X1, #A1448XX/A1449XX)
- "2+" (#A1443XX)
- Packaging Provided : Yes
- Vendor : Takepoint
- Country of Origin : China



To be continued

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

Karen S.C. Ng
General Manager





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Tests conducted:

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

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
#A1443XX of submitted sample sets	Australian / New Zealand Standard AS/NZS ISO 8124-1:2002 with amendment no. 1 : 2007, amendment no. 2 : 2009 and amendment no.3 : 2009 safety aspects related to mechanical and physical properties (Australian Trade Practice Act 1974 with Consumer Protection Notice no. 14 of 2003 Consumer Product Safety Standard for Toys for children up to and including 36 months of age.)	Pass
#A1261X2, #A1293X1, #A1448XX and #A1449XX of sub sample sets	Australian / New Zealand Standard AS/NZS ISO 8124-1:2002 with amendment no. 1 : 2007, amendment no. 2 : 2009 and amendment no.3 : 2009 safety aspects related to mechanical and physical properties	Pass
	Australian / New Zealand Standard AS/NZS ISO 8124.2:2009 for flammability test	Pass
Tested components of submitted sample sets	Australian / New Zealand Standard AS/NZS ISO 8124-3:2003 for toxic elements test (Australian Trade Practice Act 1974 with Consumer Protection Notice no. 1, 2009 - Consumer Product Safety Standard for Lead and certain elements in children's toys.)	Pass
	Australian Customs Notice No. 2007/46 - Amendments to the Customs (Prohibited Imports) Regulations 1956 Schedule 2 Item 2 for toxic elements test.	Pass

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

Karen S.C. Ng
General Manager



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Tests Conducted

1 Physical And Mechanical Tests on #A1443XX

As per the Australian / New Zealand Standard AS/NZS ISO 8124-1:2002 with amendment no. 1 : 2007, amendment no. 2 : 2009 and amendment no. 3 : 2009 safety aspects related to mechanical and physical properties.

Applicant's specified age group for testing : Ages over 2 years.

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 of AS/NZS ISO 8124-1 : 2002 + Amendment 1/2007 + Amendment 2/2009 + Amendment 3/2009 before the assessment of the relevant requirement in Clause 4 :

<u>Clause</u>	<u>Test</u>	<u>Parameter</u>
5.24.2	Drop Test	4x93±5cm
5.24.5	Torque Test	0.45±0.02Nm
5.24.6	Tension Test	70±2N
5.24.7	Compression Test	136±2N

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.3	Material	P
4.4.1	Small parts	P
4.4.2	Small part warning	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	P
4.7	Points	P
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	NA
4.11	Cords and elastic	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirement	NA
4.16	Enclosures	NA
4.17	Simulated protective equipment, such as helmets, hats and goggles	NA
4.18	Projectile toys	NA
4.19	Aquatic toys	NA
4.20	Braking	NA
4.21	Toy bicycles	NA
4.22	Speed limitation of electrically driven ride-on toys	NA
4.23	Toys containing a heat source	NA



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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.24	Liquid-filled toys	NA
4.25	Mouth-actuated toys	NA
4.26	Toy roller skates and toy skateboards	NA
4.27	Percussion caps	NA
4.28	Magnets	NA
Annex A	Battery-operated toy	NA
Annex C	Safety labeling guidelines and manufacturer's markings	P

Remark : P = Pass NA = Not Applicable

Date sample received : Nov 18, 2010 and Dec 02, 2010
Testing period : Nov 18, 2010 to Dec 06, 2010

2 Physical And Mechanical Tests on #A1261X2, #A1293X1, #A1448XX and #A1449XX

As per the Australian / New Zealand Standard AS/NZS ISO 8124-1:2002 with amendment no. 1 : 2007, amendment no. 2 : 2009 and amendment no. 3 : 2009 safety aspects related to mechanical and physical properties.

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

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 of AS/NZS ISO 8124-1 : 2002 + Amendment 1/2007 + Amendment 2/2009 + Amendment 3/2009 before the assessment of the relevant requirement in Clause 4 :

<u>Clause</u>	<u>Test</u>	<u>Parameter</u>
5.24.2	Drop Test	4x93±5cm
5.24.5	Torque Test	0.45±0.02Nm
5.24.6	Tension Test	70±2N
5.24.7	Compression Test	136±2N

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.3	Material	P
4.4.1	Small parts	NA
4.4.2	Small part warning	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	P
4.7	Points	P
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	NA





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<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.11	Cords and elastic	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirement	NA
4.16	Enclosures	NA
4.17	Simulated protective equipment, such as helmets, hats and goggles	NA
4.18	Projectile toys	NA
4.19	Aquatic toys	NA
4.20	Braking	NA
4.21	Toy bicycles	NA
4.22	Speed limitation of electrically driven ride-on toys	NA
4.23	Toys containing a heat source	NA
4.24	Liquid-filled toys	NA
4.25	Mouth-actuated toys	NA
4.26	Toy roller skates and toy skateboards	NA
4.27	Percussion caps	NA
4.28	Magnets	NA
Annex A	Battery-operated toy	NA
Annex C	Safety labeling guidelines and manufacturer's markings	P

Remark : P = Pass NA = Not Applicable

Date sample received : Nov 18, 2010 and Dec 02, 2010
 Testing period : Nov 18, 2010 to Dec 06, 2010



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3 Flammability Test

As per the Australian / New Zealand Standard AS/NZS ISO 8124-2:2009.

<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in a play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-Filled Toys (animals and dolls, etc.) with a piled or textile surface	NA

Remark : P = Pass NA= Not Applicable

Additional Information : Butane gas was used in the test burner.

Date sample received : Nov 18, 2010

Testing period : Nov 18, 2010 to Nov 24, 2010

4 Toxic Elements Analysis

As per the Australian / New Zealand Standard AS/NZS ISO 8124-3:2003, acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

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

	<u>Result in mg/kg</u>					<u>Limit mg/kg</u>
	<u>(6)</u>	<u>(7)</u>	<u>(8)</u>	<u>(9)</u>	<u>(10)</u>	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25



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	(11)	(12)	<u>Result in mg/kg</u>			<u>Limit</u>
			(13)	(14)	(15)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

	(16)	(17)	<u>Result in mg/kg</u>			<u>Limit</u>
			(18)	(19)	(20)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

	(21)	(22)	<u>Result in mg/kg</u>			<u>Limit</u>
			(23)	(24)	(25)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	26	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

	(26)	(27)	<u>Result in mg/kg</u>			<u>Limit</u>
			(28)	(29)	(30)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

	(31)	(32)	<u>Result in mg/kg</u>			<u>Limit</u>
			(33)	(34)	(35)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25



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	Result in mg/kg					Limit
	(36)	(37)	(38)	(39)	(40)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

	Result in mg/kg					Limit
	(41)	(42)	(43)	(44)	(45)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	25

Sol. = Soluble
< = Less than
mg/kg = milligram per kilogram

Tested Components :

- (1) Yellow coating on metal (body of yellow car #A1261x2).
- (2) Coating (light orange, dark brown) on plastic (body of giraffe #ZA1449xx).
- (3) Dark grey with light orange base coatings on plastic (feet of giraffe #ZA1449xx).
- (4) Coatings (black, orange, pink) on plastic (body of tiger #ZA1449xx).
- (5) Coatings (deep brown, brown, light grey) on plastic (body of elephant #ZA1449xx).
- (6) Coatings (deep grey, yellow, black, white) on plastic (body of rhino #ZA1449xx).
- (7) Coatings on plastic (green dinosaur of #A1448xx).
- (8) Coatings on plastic (orange dinosaur of #A1448xx).
- (9) Coatings on plastic (dark grey dinosaur of #A1448xx).
- (10) Coatings on plastic (dinosaur with fin of #A1448xx).
- (11) Yellow with silver color base coatings on metal (head, rear fin of plane #A1293x1).
- (12) Dark silver color coating on metal (body of plane #A1293x1).
- (13) Dull black plastic (rotor blade, wheels of plane #A1293x1).
- (14) Transparent brown plastic (cab of plane #A1293x1/ cab of red & yellow cars #A1261x2).
- (15) White PVC plastic (giraffe, tiger of #ZA1449xx).
- (16) Light orange PVC plastic (rhino, elephant of #ZA1449xx).
- (17) Pale orange PVC plastic (green dinosaur of #A1448xx).
- (18) Dull light orange PVC plastic (orange dinosaur of #A1448xx).
- (19) Grey PVC plastic (dark grey dinosaur, dinosaur with fin of #A1448xx).
- (20) Transparent plastic sheet excluding coatings (playmat of all styles).
- (21) Transparent dark blue plastic (zipper teeth of playmat #A1293x1).
- (22) Shiny black plastic (zipper teeth of playmat #A1261x2).
- (23) Transparent green plastic (zipper teeth of playmat #A1443xx).
- (24) Transparent plastic sheet (pocket of wheel #A1261x2).
- (25) Yellow elastic band (binding of pocket of wheel #A1261x2).
- (26) Green velcro (playmat of #A1443xx).



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Tested Components :

- (27) Black velcro (wheel of #A1261x2).
- (28) Black woven with black thread (zipper tape of #A1261x2).
- (29) Black non-woven fabric (binding of wheel #A1261x2, binding of playmat #ZA1449xx).
- (30) Yellow string with yellow thread (binding of wheel #A1261x2).
- (31) Black webbing (handle of wheel #A1261x2).
- (32) Black webbing (connecting strap of wheel #A1261x2).
- (33) Dark green woven with dark green / light green thread (binding of playmat #A1448xx).
- (34) Dark blue non-woven fabric (binding of playmat #A1293x1).
- (35) Blue woven with dark blue / blue thread (zipper tape of playmat #A1293x1).
- (36) Dark blue webbing (handle of playmat #A1293x1).
- (37) Red woven with white, black, yellow thread stitching (logo of playmat #A1293x1).
- (38) Green webbing with green / beige thread (handle, strap of playmat #A1443xx).
- (39) Light green webbing (binding of playmat #A1443xx).
- (40) White woven excluding (black, white) coatings (sewn-in label).
- (41) Green string (zipper puller of playmat #A1443xx).
- (42) Green woven (zipper tape of playmat #A1443xx).
- (43) Black plastic (chassis of red & yellow cars #A1261x2).
- (44) Shiny black plastic with silver color hot stamp foil coating (wheels of red & yellow cars #A1261x2).
- (45) White woven with (black, white) coatings (sewn-in label).

Remark :

Since the sample weight of coating was found less than 10mg, coating with base material of tested components (44) and (45) were tested.

Date sample received : Nov 18, 2010

Testing period : Nov 18, 2010 to Nov 26, 2010

End of report

