



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: HKGH01119148

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

Date: Mar 04, 2011

Sample Description:

Four (4) sets of submitted sample said to be :
Item Name

- : - #A1463XX ZipBin® Firehouse PlayPack
- : - #A1450XX Hot Wheels™ ZipBin® Collector Case
- : - #A1435XX LEGO® Star Wars® ZipBin® Battle Bridge
- : - #A1467XX LEGO® NINJAGO™ Battle Case
- : - #A1436XX LEGO® Star Wars® ZipBin® Tie Fighter
- : - #A1305XX LEGO® CITY ZipBin® Medium Toy Box
- : - #A1433XX LEGO® Star Wars® ZipBin® Medium Toy Box

Labelled Age Group : "3+"
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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Sample Description:



Tests conducted:

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

To be continued

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Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
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	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

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
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





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<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
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 : Feb 22, 2011
 Testing period : Feb 22, 2011 to Feb 25, 2011

2 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.

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3 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</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(7)</u>	<u>(15)</u>	<u>mg/kg</u>
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result in mg/kg</u>						<u>Limit</u>
	<u>(16)</u>	<u>(17)</u>	<u>(18)</u>	<u>(19)</u>	<u>(20)</u>	<u>(21)</u>	<u>mg/kg</u>
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result in mg/kg</u>						<u>Limit</u>
	<u>(22)</u>	<u>(23)</u>	<u>(24)</u>	<u>(25)</u>	<u>(26)</u>	<u>(27)</u>	<u>mg/kg</u>
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result in mg/kg</u>						<u>Limit</u>
	<u>(28)</u>	<u>(29)</u>	<u>(30)</u>	<u>(31)</u>	<u>(32)</u>	<u>(33)</u>	<u>mg/kg</u>
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25



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	Result in mg/kg						Limit mg/kg
	(34)	(35)	(36)	(37)	(38)	(39)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	Result in mg/kg						Limit mg/kg
	(40)	(41)	(42)	(43)	(44)	(45)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	Result in mg/kg						Limit mg/kg
	(46)	(47)	(48)	(49)	(50)	(51)	
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

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

Tested Components :

- (1) Coatings (white, black) on woven (sewn-in label of all styles).
- (2) Black coating on webbing (strap of backpack #A1463XX).
- (3) Red coating on metal (body of fire engine #A1463XX).
- (4) Silver color vacuum plated coating on plastic (chassis / body of car #A1450XX).
- (5)@ Black coating on plastic (body of car #A1450XX).
- (6)@ Green coating on plastic (body of car #A1450XX).
- (7) Silver color hot stamp foil on plastic (wheel of fire engine #A1463XX).
- (8)@ Gold color hot stamp foil on plastic (wheel of car #A1450XX).
- (9)@ Gold color coating on metal (body of fire engine #A1463XX).
- (10)@ Dark blue coating on metal (body of fire engine #A1463XX).
- (11)@ Blue coating on metal (logo of fire engine #A1463XX).



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Tested Components :

- (12)@ White coating on metal (logo of fire engine #A1463XX).
- (13)@ Light red coating on metal (logo of fire engine #A1463XX).
- (14)@ White woven excluding coatings (sewn-in label of all styles).
- (15) Black non-woven fabric with black thread (binding of backpack #A1463XX, #A1435XX, #A1467XX, #A1436XX).
- (16) Black woven (zipper tape of backpack #A1463XX, #A1435XX, #A1436XX).
- (17) Black webbing (handle of backpack #A1463XX, #A1435XX, #A1436XX).
- (18) Dark yellow webbing with dark yellow thread (strap of backpack #A1463XX).
- (19) Shiny black webbing (binding of inner cover of battle case #A1467XX).
- (20) Black net (pocket of battle case #A1467XX).
- (21) Black string (zipper puller of battle bridge #A1435XX).
- (22) Red webbing (handle of case #A1450XX).
- (23) Red non-woven fabric with red thread (binding of case #A1450XX).
- (24) Red string (zipper puller of case #A1450XX).
- (25) Red woven (zipper tape of case #A1450XX).
- (26) Blue webbing with blue thread (binding / handle of tie fighter case #A1433XX).
- (27) Blue string (zipper puller of tie fighter case #A1433XX).
- (28) Blue woven (zipper tape of tie fighter case #A1433XX).
- (29) Yellow woven (zipper tape of toy box #A1305XX).
- (30) Yellow string (zipper puller of toy box #A1305XX).
- (31) Yellow webbing with (yellow, light blue) threads (binding / handle of toy box #A1305XX).
- (32) Yellow velcro (toy box #A1305XX).
- (33) Blue velcro (tie fighter case #A1433XX).
- (34) Red velcro (case #A1450XX).
- (35) Black velcro (backpack #A1463XX, #A1435XX, #A1467XX).
- (36) Black elastic band (pocket of battle case #A1467XX).
- (37) Red elastic band (pocket of case #A1450XX).
- (38) Transparent plastic sheet (pocket of case #A1450XX).
- (39) Red plastic (zipper teeth of case #A1450XX).
- (40) Ivory plastic (body of car #A1450XX).
- (41) Transparent green plastic (windshield of car #A1450XX).
- (42) Light grey plastic excluding silver color vacuum plated coating (chassis / body of car #A1450XX).
- (43) Blue plastic (zipper teeth of tie fighter case #A1433XX).
- (44) Yellow plastic (zipper teeth of toy box #A1305XX).
- (45) Transparent plastic sheet with inaccessible printings and backing and (dark grey, light brown, dark red, grey) threads (backpack #A1463XX, toy box #A1305XX, battle case #A1467XX, battle bridge #A1435XX, case #A1450XX, toy box #A1433XX, tie fighter case #A1436XX).
- (46) Black plastic (zipper teeth of backpack #A1463XX, #A1435XX, #A1436XX).
- (47) Black plastic (adjustment of backpack #A1463XX).
- (48) Grey plastic (ladder of fire engine #A1463XX).
- (49) Transparent plastic (windshield of fire engine #A1463XX).
- (50) Black plastic (wheel / bumper / connector of fire engine #A1463XX, wheel of car #A1450XX).
- (51) Dull black plastic (chassis of fire engine #A1463XX).

@ : Since the sample weight of the component was less than 10 mg, toxic elements analysis was not conducted.

Date sample received : Feb 22, 2011

Testing period : Feb 22, 2011 to Mar 03, 2011

End of report

