

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: HKGH01089377

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:

Four (4) 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>
Submitted sample sets	U.S. ASTM F963-08 Physical and mechanical tests	Pass
	U.S. ASTM F963-08 for Flammability test of materials other than textile materials	Pass
	U.S. ASTM F963-08 for flammability test of textile materials	Pass
Tested components of submitted sample sets	U.S. ASTM F963-08 for Toxic elements test	Pass
	U.S. Code of Federal Regulations Title 16 CFR 1303 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 for total Lead content in non-surface coating materials (substrate)	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 108 requirement on phthalate	Pass
	Lead content requirement in the Consent Judgement no. BG-350969 / RG-356892 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	See details enclosed
	Phthalate content requirement in the consent judgement No. BG07350969 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	See details enclosed

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 #A14443XX

As per the ASTM Standard Consumer Safety Specification for Toy Safety F963-08.

Applicant's specified 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>
Impact 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

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleaningless)	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	P
4.12	Packaging film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords 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, such as helmets, hats and goggles	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





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<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with 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 8.18 and 8.20 through 8.25 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Date sample received : Nov 18, 2010 and Dec 02, 2010

Testing period : Nov 18, 2010 to Dec 06, 2010



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Tests Conducted

2 Physical And Mechanical Tests #A1261X2, #A1293X1, #1448XX and #A1449XX

As per the ASTM Standard Consumer Safety Specification for Toy Safety F963-08.

Applicant's specified 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 : -

<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact 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

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
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	P
4.12	Packaging film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	P
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices, such as helmets, hats and goggles	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



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<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with 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 8.18 and 8.20 through 8.25 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Date sample received : Nov 18, 2010 and Dec 02, 2010

Testing period : Nov 18, 2010 to Dec 06, 2010

3 Flammability Test

As per Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-08.

<u>Sample</u>	<u>Ignition point</u>	<u>Burn length</u> (inch)	<u>Time</u> (sec)	<u>Burn rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Dino Mat	Corner	6.30	60	0.10	0.10

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

Date sample received : Nov 18, 2010

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



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Tests Conducted

4 Flammability Test

As per Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-08.

Result : The fabric samples was tested and passed the requirements.

Tested Component : Synthetic sheet laminated on non-woven.

Date sample received : Nov 18, 2010

Testing period : Nov 18, 2010 to Nov 23, 2010

5 Toxic Elements Analysis (Soluble Heavy Metals Content)

As per Section 4.3.5.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-08, acid extraction method was used and toxic elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result in ppm</u>					<u>Limit</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(5)</u>	<u>ppm</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 ppm</u>					<u>Limit</u>
	<u>(6)</u>	<u>(7)</u>	<u>(8)</u>	<u>(9)</u>	<u>(10)</u>	<u>ppm</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 ppm</u>			<u>Limit</u>
	<u>(11)</u>	<u>(12)</u>	<u>(13)</u>	<u>ppm</u>
Sol. Barium (Ba)	<5	<5	<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





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Sol. = Soluble
< = Less than
ppm = parts per million

Tested Components :

- (1) Coatings (red, silver color) on metal (body of red car #A1261x2).
- (2) Yellow coating on metal (body of yellow car #A1261x2).
- (3) Coating (light orange, dark brown) on plastic (body of giraffe #ZA1449xx).
- (4) Dark grey with light orange base coatings on plastic (feet of giraffe #ZA1449xx).
- (5) Coatings (black, orange, pink) on plastic (body of tiger #ZA1449xx).
- (6) Coatings (deep brown, brown, light grey) on plastic (body of elephant #ZA1449xx).
- (7) Coatings (deep grey, yellow, black, white) on plastic (body of rhino #ZA1449xx).
- (8) Coatings on plastic (green dinosaur of #A1448xx).
- (9) Coatings on plastic (orange dinosaur of #A1448xx).
- (10) Coatings on plastic (dark grey dinosaur of #A1448xx).
- (11) Coatings on plastic (dinosaur with fin of #A1448xx).
- (12) Yellow with silver color base coatings on metal (head, rear fin of plane #A1293x1).
- (13) Dark silver color coating on metal (body of plane #A1293x1).

Date sample received : Nov 18, 2010

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



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Tests Conducted

6 Toxic Elements Analysis (Total Lead Content)

As per Section 4.3.5.1 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-08, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit (ppm)</u>
(1)	<20	90
(2)	<20	90
(3)	<20	90
(4)	<20	90
(5)	<20	90
(6)	<20	90
(7)	<20	90
(8)	<20	90
(9)	<20	90
(10)	<20	90
(11)	<20	90
(12)	<20	90
(13)	<20	90
(14/16)	<20	90
(15)	<20	90

ppm = parts per million
 < = Less than

Tested Components :

- (1) Coatings (red, silver color) on metal (body of red car #A1261x2).
- (2) Yellow coating on metal (body of yellow car #A1261x2).
- (3) Coating (light orange, dark brown) on plastic (body of giraffe #ZA1449xx).
- (4) Dark grey with light orange base coatings on plastic (feet of giraffe #ZA1449xx).
- (5) Coatings (black, orange, pink) on plastic (body of tiger #ZA1449xx).
- (6) Coatings (deep brown, brown, light grey) on plastic (body of elephant #ZA1449xx).
- (7) Coatings (deep grey, yellow, black, white) on plastic (body of rhino #ZA1449xx).
- (8) Coatings on plastic (green dinosaur of #A1448xx).
- (9) Coatings on plastic (orange dinosaur of #A1448xx).
- (10) Coatings on plastic (dark grey dinosaur of #A1448xx).
- (11) Coatings on plastic (dinosaur with fin of #A1448xx).
- (12) Yellow with silver color base coatings on metal (head, rear fin of plane #A1293x1).
- (13) Coatings (dark silver color, blue, black) on metal (body of plane #A1293x1).
- (14) Dark silver color coating on metal (body of plane #A1293x1).
- (15) Coatings (black, white) woven (sewn-in label).
- (16) Silver color hot stamp foil coating on plastic (wheels of red & yellow cars #A1261x2).

Remark :

Since the sample weight of coatings of the tested components (13) and (15) were less than 10 mg, soluble heavy metals content analysis were not applicable.

Since the coating of the tested component (16) was less than 10mg, soluble heavy metals content analysis were not applicable.

Parts were used for the total lead content analysis on tested component (16).

Date sample received : Nov 18, 2010

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



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Tests Conducted

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

As per 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 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit in ppm</u>
(1/2/9)	<20	300
(3/4/5)	<20	300
(6/7)	<20	300
(8/11)	<20	300
(10/12/13)	<20	300
(14)	<20	300
(15)	<20	300
(16)	<20	300
(17)	<20	300
(18)	<20	300
(19)	24	300
(20)	23	300
(21)	<20	300
(22)	<20	300

As of August 14, 2011, the limit for total Lead content will be lowered to 100 ppm unless the CPSC determines that a limit of 100 ppm is not technologically feasible for a product or product category.

ppm = parts per million
 < = Less than

Tested Components :

- (1) Dull black plastic (rotor blade, wheels of plane #A1293x1).
- (2) Transparent brown plastic (cab of plane #A1293x1/ cab of red & yellow cars #A1261x2).
- (3) White PVC plastic (giraffe, tiger of #ZA1449xx).
- (4) Light orange PVC plastic (rhino, elephant of #ZA1449xx).
- (5) Pale orange PVC plastic (green dinosaur of #A1448xx).
- (6) Dull light orange PVC plastic (orange dinosaur of #A1448xx).
- (7) Grey PVC plastic (dark grey dinosaur, dinosaur with fin of #A1448xx).
- (8) Transparent plastic sheet excluding coatings (playmat of all styles).
- (9) Transparent dark blue plastic (zipper teeth of playmat #A1293x1).
- (10) Shiny black plastic (zipper teeth of playmat #A1261x2).
- (11) Transparent green plastic (zipper teeth of playmat #A1443xx).
- (12) Transparent plastic sheet (pocket of wheel #A1261x2).
- (13) Yellow elastic band (binding of pocket of wheel #A1261x2).
- (14) Green velcro (playmat of #A1443xx).
- (15) Black velcro (wheel of #A1261x2).
- (16) Silver color metal excluding coatings (body of plane #A1293x1).
- (17) Silver color metal excluding coatings (red & yellow cars #A1261x2).
- (18) Silver color metal (axle of red & yellow cars #A1261x2).
- (19) Silver color metal (zipper slider of all styles).
- (20) Silver color metal (zipper puller of all styles).
- (21) Black plastic (chassis of red & yellow cars #A1261x2).
- (22) Shiny black plastic (wheels of red & yellow cars #A1261x2).

Date sample received : Nov 18, 2010

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





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8 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings (April 26, 2009), test method CPSC-CH-E1003-09 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result in ppm</u>	<u>Limit in ppm</u>
(1)	<20	90
(2)	<20	90
(3)	<20	90
(4)	<20	90
(5)	<20	90
(6)	<20	90
(7)	<20	90
(8)	<20	90
(9)	<20	90
(10)	<20	90
(11)	<20	90
(12)	<20	90
(13)	<20	90
(14/16)	<20	90
(15)	<20	90

ppm = parts per million
< = Less than

Tested Components :

- (1) Coatings (red, silver color) on metal (body of red car #A1261x2).
- (2) Yellow coating on metal (body of yellow car #A1261x2).
- (3) Coating (light orange, dark brown) on plastic (body of giraffe #ZA1449xx).
- (4) Dark grey with light orange base coatings on plastic (feet of giraffe #ZA1449xx).
- (5) Coatings (black, orange, pink) on plastic (body of tiger #ZA1449xx).
- (6) Coatings (deep brown, brown, light grey) on plastic (body of elephant #ZA1449xx).
- (7) Coatings (deep grey, yellow, black, white) on plastic (body of rhino #ZA1449xx).
- (8) Coatings on plastic (green dinosaur of #A1448xx).
- (9) Coatings on plastic (orange dinosaur of #A1448xx).
- (10) Coatings on plastic (dark grey dinosaur of #A1448xx).
- (11) Coatings on plastic (dinosaur with fin of #A1448xx).
- (12) Yellow with silver color base coatings on metal (head, rear fin of plane #A1293x1).
- (13) Coatings (dark silver color, blue, black) on metal (body of plane #A1293x1).
- (14) Dark silver color coating on metal (body of plane #A1293x1).
- (15) Coatings (black, white) woven (sewn-in label).
- (16) Silver color hot stamp foil coating on plastic (wheels of red & yellow cars #A1261x2).

Date sample received : Nov 18, 2010 and Nov 29, 2010

Testing period : Nov 18, 2010 to Nov 30, 2010



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9 CPSIA Normal and Reasonably Foreseeable Use and Abuse

With reference to U.S. Code of Federal Regulations Title 16 Part 1500.48, 1500.49, 1500.51, 1500.52 and 1500.53.

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

Result : After testing, no internal component was exposed and accessible on the submitted samples.

Date sample received : Nov 18, 2010

Testing period : Nov 18, 2010 to Nov 23, 2010

10 Total Lead (Pb) content

With reference to US EPA method 3050B, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

<u>Tested Component</u>	<u>Result in %</u>	<u>Limit in %</u>
(1)	<0.002	0.009
(2)	<0.002	0.009
(3)	<0.002	0.009
(4)	<0.002	0.009
(5)	<0.002	0.009
(6)	<0.002	0.009
(7)	<0.002	0.009
(8)	<0.002	0.009
(9)	<0.002	0.009
(10)	<0.002	0.009
(11)	<0.002	0.009
(12)	<0.002	0.009
(13)	<0.002	0.009
(14/16)	<0.002	0.009
(15)	<0.002	0.009

(II) Non-surface coating

<u>Tested Component</u>	<u>Result in %</u>	<u>Limit in %</u>
(17/18/25)	<0.002	0.03
(19/20/21)	<0.002	0.02
(22/23)	<0.002	0.02
(24/27)	<0.002	0.03
(26/28/29)	<0.002	0.03
(30)	<0.002	0.03
(31)	<0.002	0.03
(32/33)	<0.002	0.03
(34/35)	0.003	0.03
(36/38/40)	<0.002	0.03
(37)	<0.002	0.03
(39)	<0.002	0.03
(41)	<0.002	0.03





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<u>Tested Component</u>	<u>Result in %</u>	<u>Limit in %</u>
(42)	<0.002	0.03
(43/44)	<0.002	0.03
(45/46)	<0.002	0.03
(47)	<0.002	0.03
(48)	<0.002	0.03
(49)	<0.002	0.03
(50)	0.002	0.03
(51)	0.002	0.03
(52)	<0.002	0.03
(53)	<0.002	0.03

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.

Remark : < = Less than

Tested Components :

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



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Tested Components :

- (36) Black webbing (connecting strap of wheel #A1261x2).
- (37) Dark green woven with dark green / light green thread (binding of playmat #A1448xx).
- (38) Dark blue non-woven fabric (binding of playmat #A1293x1).
- (39) Blue woven with dark blue / blue thread (zipper tape of playmat #A1293x1).
- (40) Dark blue webbing (handle of playmat #A1293x1).
- (41) Red woven with white, black, yellow thread stitching (logo of playmat #A1293x1).
- (42) Green webbing with green / beige thread (handle, strap of playmat #A1443xx).
- (43) Light green webbing (binding of playmat #A1443xx).
- (44) White woven excluding (black, white) coatings (sewn-in label).
- (45) Green string (zipper puller of playmat #A1443xx).
- (46) Green woven (zipper tape of playmat #A1443xx).
- (47) Silver color metal excluding coatings (body of plane #A1293x1).
- (48) Silver color metal excluding coatings (red & yellow cars #A1261x2).
- (49) Silver color metal (axle of red & yellow cars #A1261x2).
- (50) Silver color metal (zipper slider of all styles).
- (51) Silver color metal (zipper puller of all styles).
- (52) Black plastic (chassis of red & yellow cars #A1261x2).
- (53) Shiny black plastic (wheels of red & yellow cars #A1261x2).

Date sample received : Nov 18, 2010 and Nov 29, 2010
 Testing period : Nov 18, 2010 to Nov 30, 2010

11 Phthalate Content Test

By solvent extraction and Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

	<u>Result (%. (w/w))</u>				<u>Limit (%. (w/w))</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(4)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DnHP)	<0.01	<0.01	<0.01	<0.01	0.1

	<u>Result (%. (w/w))</u>				<u>Limit (%. (w/w))</u>
	<u>(5)</u>	<u>(6)</u>	<u>(7)</u>	<u>(8/9/15)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DnHP)	<0.01	<0.01	<0.01	<0.01	0.1

	<u>Result (%. (w/w))</u>				<u>Limit (%. (w/w))</u>
	<u>(10/11/12)</u>	<u>(13/14/16)</u>	<u>(17/18/19)</u>	<u>(20/21/22)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	0.1
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	0.1
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	0.1
Di-n-hexyl phthalate (DnHP)	<0.01	<0.01	<0.01	<0.01	0.1





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	<u>Result (%. (w/w))</u> (23/24)	<u>Limit (%. (w/w))</u> (max.)
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 judgement No. BG07350969 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.

Detection limit = 0.01% (w/w)
 < = Less than

Tested Components :

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

Date sample received : Nov 18, 2010
 Testing period : Nov 18, 2010 to Nov 25, 2010



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Tests Conducted

12 Phthalate Content Test

As per 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.

	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u> <u>(max.)</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	
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
	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u> <u>(max.)</u>
	<u>(1)</u>	<u>(2)</u>	<u>(3)</u>	
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
	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u> <u>(max.)</u>
	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>	
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
	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u> <u>(max.)</u>
	<u>(4)</u>	<u>(5)</u>	<u>(6)</u>	
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
	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u> <u>(max.)</u>
	<u>(7)</u>	<u>(8/9/15)</u>	<u>(10/11/12)</u>	
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
	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u> <u>(max.)</u>
	<u>(7)</u>	<u>(8/9/15)</u>	<u>(10/11/12)</u>	
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



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	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u>
	<u>(13/14/16)</u>	<u>(17/18/19)</u>	<u>(20/21/22)</u>	<u>(max.)</u>
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

	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u>
	<u>(13/14/16)</u>	<u>(17/18/19)</u>	<u>(20/21/22)</u>	<u>(max.)</u>
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

	<u>Result (%. w/w)</u>			<u>Limit (%. w/w)</u>
	<u>(23)</u>	<u>(24/25)</u>	<u>(26/27)</u>	<u>(max.)</u>
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

	<u>Result (%. w/w)</u>	<u>Limit (%. w/w)</u>
	<u>(26/27)</u>	<u>(max.)</u>
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.

Detection limit = 0.01% (w/w)
 < = Less than

Tested Components :

- (1) Coatings (red, silver color, yellow) on metal (body of red car & yellow car #A1261x2).
- (2) Coatings on plastic (body of giraffe & tiger #ZA1449xx).
- (3) Coatings on plastic (body of elephant & rhino #ZA1449xx).
- (4) Coatings on plastic (green dinosaur & orange dinosaur of #A1448xx).
- (5) Coatings on plastic (dark grey dinosaur, dinosaur with fin of #A1448xx, wheels of red & yellow cars #A1261x2).
- (6) Coatings (dark silver color, blue, black, yellow) on metal (body of plane #A1293x1).
- (7) Coatings (black, white) on woven (sewn-in label).
- (8) Dull black plastic (rotor blade, wheels of plane #A1293x1).
- (9) Transparent brown plastic (cab of plane #A1293x1/ cab of yellow cars #A1261x2).
- (10) White PVC plastic (giraffe, tiger of #ZA1449xx).
- (11) Light orange PVC plastic (rhino, elephant of #ZA1449xx).
- (12) Pale orange PVC plastic (green dinosaur of #A1448xx).
- (13) Dull light orange PVC plastic (orange dinosaur of #A1448xx).
- (14) Grey PVC plastic (dark grey dinosaur, dinosaur with fin of #A1448xx).
- (15) Transparent plastic sheet excluding coatings (playmat of all styles).
- (16) Transparent dark blue plastic (zipper teeth of playmat #A1293x1).





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Tested Components :

- (17) Shiny black plastic (zipper teeth of playmat #A1261x2).
- (18) Transparent green plastic (zipper teeth of playmat #A1443xx).
- (19) Transparent plastic sheet (pocket of wheel #A1261x2).
- (20) Yellow elastic band (binding of pocket of wheel #A1261x2).
- (21) Green velcro (playmat of #A1443xx).
- (22) Black velcro (wheel of #A1261x2).
- (23) Coatings on plastic sheet (inner layer of playmat all style) (internal).
- (24) Black plastic (inner layer of wheel #A1261x2) (internal).
- (25) White foam (inner layer of playmat #A1293x1) (internal).
- (26) Black plastic (chassic of red & yellow cars, cab of red car #A1261x2).
- (27) Shiny black plastic (wheels of red & yellow cars #A1261x2).

Date sample received : Nov 18, 2010

Testing period : Nov 18, 2010 to Nov 25, 2010

End of report

