



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: HKGH01522806

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

Date: Jul 23, 2013

Attn: ELAN FELDMAN

Sample Description:

Two (2) sets of submitted sample said to be :  
Item Name

- : - #A1686XX Hot Wheels™ ZipBin® 300 Car Storage Cube
- #A1687XX Barbie™ ZipBin® Beach House
- #A1721X2 Hot Wheels™ 9 Car Travel Tote (with Car) (Backer Card)
- #A1721X3 Hot Wheels™ 9 Car Travel Tote (Hang Tag)
- #A1721X4 Hot Wheels™ 9 Car Travel Tote (with Car) (Box)
- #A1721X5 Hot Wheels™ 9 Car Travel Tote (Box)
- #A1721X6 Hot Wheels™ 9 Car Travel Tote (Backer Card)
- #A1738XX Neat-Oh!™ Dinosaur Travel Tote
- #A1717XX Barbie™ Keepsake Clutch
- #A1708XX Star Wars™ ZipBin® Yoda (Hang Tag)
- #A1708X1 Star Wars™ ZipBin® Yoda (Packaging Tray)
- #A1663XX Lego® Friends ZipBin® 1000 Brick Toy Box
- #A1733XX Lego® Friends ZipBin® Carry Case
- #A1518XX Barbie® Fashion Show
- #A1293X1 ZipBin® Airport Tote
- #A1293X2 ZipBin® Airport Tote
- #T1050 Yat Ming Model# 838 Die Cast Car (Yellow) used in ZipBin® Full Throttle Products
- #T1051 Yat Ming Model# 839 Die Cast Car (Red) used in ZipBin® Full Throttle Products
- #A1606XX Hot Wheels 18 Car Vintage Tin
- #A1483XX Hot Wheels 40 Car Tin
- #A1483X1 Hot Wheels 40 Car Tin With Hot Wheel Car

Labelled Age Group : "3+" (5+ for A1733XX) / (5+ for A1663XX)  
 Packaging Provided : Yes (Art work)  
 Manufacturer : Huizhou Take Point Manufacturing Co. Ltd.  
 Country of Origin : China

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To be continued

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

Angel Y.F. Cheung  
Vice President



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Tests conducted:

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

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To be continued

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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample sets	EN71-1 : 2011 for mechanical and physical properties	Pass
	EN71-2 : 2011 for Flammability test	Pass
Tested components of submitted sample sets	EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002 for toxic elements test	Pass
	EN71-3 : 2013 for migration of certain elements	Pass
	Cadmium content requirement in Annex XVII Item 23 of the REACH Regulation (EC) No.1907/2006 & amendment No. 494/2011	Pass
	Phthalates content requirement in Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC)	Pass
	Azocolourants content requirement in Annex XVII Item 43 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 and 126/2013 (formerly known as Directive 2002/61/EC)	Pass

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

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Vice President



**Test Report**

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Tests Conducted

1 Mechanical and Physical Test

As per European Standard on Safety of toys EN71-1 : 2011.

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

Clause	Testing items	Assessment
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	Toys intended for children under 36 months	
5.1	General requirements for children under 36 months	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA





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Clause	Testing items	Assessment
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P#
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inlineskates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA

Remark : P = Pass

NA = Not Applicable

# = Age warning statement, graphical symbol and the indication of hazard was found on the packaging .

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Tests Conducted

Remark : Below are additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking.

After checking, it was found that:

- Importer's name and address was missed on items A1606XX and A1483XX.
- All the above markings were present ( except item: A1606XX and A1483XX)

Date sample received : Jul 10, 2013

Testing period : Jul 10, 2013 to Jul 17, 2013

2 Flammability Test

As per European Standard on Safety of Toys EN71-2:2011

<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 play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Remark : P = Pass

NA= Not applicable

Date sample received : Jul 10, 2013

Testing period : Jul 10, 2013 to Jul 17, 2013

3 Toxic Elements Analysis

As per European Standard on Safety of toys EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002, 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>(6)</u>	<u>(7)</u>	<u>(8)</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
	(9)	(10)	(11)	(12)	(13)	(14)	
Sol. Barium (Ba)	<5	<5	<5	79	<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
	(15)	(16)	(17)	(18)	(19)	(20)	
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
	(21)	(22)	(23)	(24)	(25)	(26)	
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
	(27)	(28)	(29)	(30)	(31)	(32)	
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
	(33)	(34)	(35)	(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

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

Sol. = Soluble  
mg/kg = milligram per kilogram

Tested Components :

- (1) Coatings (black, white) on woven (sewn-in label).
- (2) Coatings on metal (body of orange car).
- (3) Coatings on metal (body of yellow car).
- (4)@ Silver color hot stamp foil coating on plastic (wheel of orange, yellow car).
- (5)@ White coating on plastic (code at base of yellow car).
- (6) Orange plastic (zipper teeth of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (7) Pink plastic (zipper teeth of Barbie ZipBin Beach House #A1687XX).
- (8) Black plastic (zipper teeth of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (9) Blue plastic (zipper teeth of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (10) Deep pink plastic (zipper teeth of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (11) Transparent plastic sheet backed with white non-woven fabric (all totes, clutches).
- (12) Black elastic band (pocket of Barbie Fashion Show #A1518XX).
- (13) Dark grey plastic (base of yellow, orange car).
- (14) Shiny black plastic (window of yellow, orange car).
- (15) White woven excluding (black, white) coatings (sewn-in label).
- (16) Orange non-woven fabric with orange thread (binding, handle of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (17) Orange woven (zipper tape of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (18) Orange string (zipper puller of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (19) Pale pink non woven fabric with pink thread (binding, handle of Barbie ZipBin Beach House #A1687XX, lining of Barbie Keepsake Clutch #AA1717XX).
- (20) Pale pink woven (zipper tape of Barbie ZipBin Beach House #A1687XX).
- (21) Pale pink string (zipper puller of Barbie ZipBin Beach House #A1687XX).
- (22) Black non-woven fabric with black thread (body, handle of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX, Barbie Fashion Show #A1518XX).
- (23) Black woven (zipper tape of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (24) Red non-woven fabric with red thread (body of Hot Wheels 9 Car Travel Tote #A1721X3).
- (25) Deep blue non-woven fabric with deep blue thread (body of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (26) Blue woven (zipper tape of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (27) Deep pink satin with deep pink thread (binding of Barbie Keepsake Clutch #AA1717XX, Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (28) Black velcro (velcro of Barbie Keepsake Clutch #AA1717XX, Barbie Fashion Show #A1518XX).
- (29) Deep pink woven (zipper tape of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).

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Tested Components :

- (30) Deep pink velcro (velcro of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX).
- (31) Black net (pocket of Barbie Fashion Show #A1518XX).
- (32) Coatings (black, red, yellow) on metal (body of black car).
- (33) Silver color vacuum plated coating on plastic (base of black car).
- (34) Gold color hot stamp foil coating on plastic (wheels of black car).
- (35) Coatings (lacquer, orange, white, deep grey) on plastic (body of blue car).
- (36)@ Metallic orange hot stamp foil coating on plastic (wheels of blue car).
- (37) Shiny black plastic (wheels of all cars).
- (38) White plastic excluding silver color coating (base of black car).
- (39) Transparent purple plastic (wind shield of blue car).
- (40) Blue plastic (body of blue car).
- (41) Transparent red plastic (wind shield of black car).
- (42) Green woven with white thread stitching (sewn-in label of Star Wars ZipBin Yoda #A1708XX).
- (43) Red woven with white / black / pale yellow / yellow threads stitching ("Neat-Oh!" sewn-in label of ZipBin Airport #A1293Z1).

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Remark : As requested by the applicant, toxic elements content test were conducted only on components listed in this report. Other components were not tested.

Date sample received : May 27, 2013 and Jul 10, 2013

Testing period : Jun 07, 2013 and Jul 10, 2013 to Jul 18, 2013

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**Test Report**

Number: HKGH01522806

Tests Conducted

4 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Limit (mg/kg)
	(1)	(2)	(3)	(6)	
Aluminium (Al)	470	530	460	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2#	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	13	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	76	15	< 10	180000
Organic tin	< 3.0	< 3.0Δ	< 3.0Δ	< 3.0Δ	12
Zinc (Zn)	< 100	13000	6100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(7)	(8)	(9)	(10)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	7.9	6.2	6.9	5.7	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

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Element	Result (mg/kg)				Limit (mg/kg)
	(11)	(12)	(13)	(14)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	79	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	3.9	4.1	3.1	< 3.0	12
Zinc (Zn)	< 100	1300	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(15)	(16)	(17)	(18)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	14	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	8.3	3.9	5.5	4.8	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

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**Test Report**

Number: HKGH01522806

Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(19)	(20)	(21)	(22)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	4.1	7.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(23)	(24)	(25)	(26)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

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**Test Report**

Number: HKGH01522806

Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(27)	(28)	(29)	(30)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2#	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(31)	(32)	(33)	(34)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

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**Test Report**

Number: HKGH01522806

Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(35)	(37)	(38)	(39)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(40)	(41)	(42)	(43)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Remark : mg/kg = milligram per kilogram

- Organic tin test result was expressed as tributyl tin.

- Unless specified, determination of Chromium (III), Chromium (VI) and Organic tin was based on elemental analysis.

# = Confirmation of Chromium (VI) test was performed on the tested component.

Δ = Confirmation test was performed on the tested component. The reported value was calculated by summation of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin.

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**Test Report**

Number: HKGH01522806

Tests Conducted

Tested Components :

- (1) Coatings (black, white) on woven (sewn-in label).
- (2) Coatings on metal (body of orange car).
- (3) Coatings on metal (body of yellow car).
- (4)@ Silver color hot stamp foil coating on plastic (wheel of orange, yellow car).
- (5)@ White coating on plastic (code at base of yellow car).
- (6) Orange plastic (zipper teeth of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (7) Pink plastic (zipper teeth of Barbie ZipBin Beach House #A1687XX).
- (8) Black plastic (zipper teeth of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (9) Blue plastic (zipper teeth of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (10) Deep pink plastic (zipper teeth of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (11) Transparent plastic sheet backed with white non-woven fabric (all totes, clutches).
- (12) Black elastic band (pocket of Barbie Fashion Show #A1518XX).
- (13) Dark grey plastic (base of yellow, orange car).
- (14) Shiny black plastic (window of yellow, orange car).
- (15) White woven excluding (black, white) coatings (sewn-in label).
- (16) Orange non-woven fabric with orange thread (binding, handle of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (17) Orange woven (zipper tape of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (18) Orange string (zipper puller of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (19) Pale pink non woven fabric with pink thread (binding, handle of Barbie ZipBin Beach House #A1687XX, lining of Barbie Keepsake Clutch #AA1717XX).
- (20) Pale pink woven (zipper tape of Barbie ZipBin Beach House #A1687XX).
- (21) Pale pink string (zipper puller of Barbie ZipBin Beach House #A1687XX).
- (22) Black non-woven fabric with black thread (body, handle of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX, Barbie Fashion Show #A1518XX).
- (23) Black woven (zipper tape of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (24) Red non-woven fabric with red thread (body of Hot Wheels 9 Car Travel Tote #A1721X3).
- (25) Deep blue non-woven fabric with deep blue thread (body of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (26) Blue woven (zipper tape of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (27) Deep pink satin with deep pink thread (binding of Barbie Keepsake Clutch #AA1717XX, Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (28) Black velcro (velcro of Barbie Keepsake Clutch #AA1717XX, Barbie Fashion Show #A1518XX).
- (29) Deep pink woven (zipper tape of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (30) Deep pink velcro (velcro of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX).
- (31) Black net (pocket of Barbie Fashion Show #A1518XX).
- (32) Coatings (black, red, yellow) on metal (body of black car).
- (33) Silver color vacuum plated coating on plastic (base of black car).
- (34) Gold color hot stamp foil coating on plastic (wheels of black car).
- (35) Coatings (lacquer, orange, white, deep grey) on plastic (body of blue car).
- (36) @Metallic orange hot stamp foil coating on plastic (wheels of blue car).
- (37) Shiny black plastic (wheels of all cars).

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Hong Kong Government Recognized Service Supplier  
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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: HKGH01522806

Tests Conducted

Tested Components :

- (38) White plastic excluding silver color coating (base of black car).
- (39) Transparent purple plastic (wind shield of blue car).
- (40) Blue plastic (body of blue car).
- (41) Transparent red plastic (wind shield of black car).
- (42) Green woven with white thread stitching (sewn-in label of Star Wars ZipBin Yoda #A1708XX).
- (43) Red woven with white / black / pale yellow / yellow threads stitching ("Neat-Oh!" sewn-in label of ZipBin Airport #A1293Z1).

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Remark : As requested by the applicant, toxic elements content were conducted only on components listed in this report. Other components were not tested.

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III : Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date sample received : May 27, 2013 and Jul 10, 2013

Testing period : Jun 17, 2013 and Jul 10, 2013 to Jul 18, 2013

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**Test Report**

Number: HKGH01522806

Tests Conducted

5 Cadmium (Cd) Content

As per Cadmium content requirement in Commission Regulation (EU) No. 494/2011 amending Annex XVII Item 23 of the REACH Regulation (EC) No. 1907/2006, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

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

Limit:

Category	Limit (%)
Wet paint	Not permitted
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

ND = Not detected (< 0.0005%)

Tested Components :

- (1) Coatings (black, white) on woven (sewn-in label).
- (2) Coatings on metal (body of orange car).
- (3) Coatings on metal (body of yellow car).
- (4) Silver color hot stamp foil coating on plastic (wheel of orange, yellow car).
- (5) White coating on plastic (code at base of yellow car).
- (6) Orange plastic (zipper teeth of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (7) Pink plastic (zipper teeth of Barbie ZipBin Beach House #A1687XX).
- (8) Black plastic (zipper teeth of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (9) Blue plastic (zipper teeth of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (10) Deep pink plastic (zipper teeth of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (11) Transparent plastic sheet backed with white non-woven fabric (all totes, clutches).
- (12) Black elastic band (pocket of Barbie Fashion Show #A1518XX).
- (13) Dark grey plastic (base of yellow, orange car).

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**Test Report**

Number: HKGH01522806

Tests Conducted

Tested Components :

- (14) Shiny black plastic (window of yellow, orange car).
- (15) White plastic sheet (lining of Barbie Keepsake Clutch #AA1717XX) (internal).
- (16) White plastic sheet (holder of velcro of Barbie Fashion Show #A1518XX) (internal).
- (17) White foam (lining of Star Wars ZipBin Yoda #A1708XX, ZipBin Airport #A1293X1) (internal).
- (18) Coatings (black, red, yellow) on metal (body of black car).
- (19) Silver color vacuum plated coating on plastic (base of black car).
- (20) Gold color hot stamp foil coating on plastic (wheels of black car).
- (21) Coatings (lacquer, orange, white, deep grey) on plastic (body of blue car).
- (22) Metallic orange hot stamp foil coating on plastic (wheels of blue car).
- (23) Shiny black plastic (wheels of all cars).
- (24) White plastic excluding silver color coating (base of black car).
- (25) Transparent purple plastic (wind shield of blue car).
- (26) Blue plastic (body of blue car).
- (27) Transparent red plastic (wind shield of black car).

Date sample received : May 27, 2013 and Jul 10, 2013

Testing period : Jun 07, 2013 and Jul 10, 2013 to Jul 18, 2013

6 Phthalate Content Test

With reference to EN14372, 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>	<u>(4/5/6)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	0.1

  

	<u>Result (% w/w)</u>				<u>Limit (% w/w)</u> <u>(max.)</u>
	<u>(7/8/10)</u>	<u>(9)</u>	<u>(11/12)</u>	<u>(13)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	--	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	--	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	--	0.1

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## Test Report

Number: HKGH01522806

### Tests Conducted

	<u>Result (% , w/w)</u>				<u>Limit (% , w/w)</u> <u>(max.)</u>
	<u>(14/15)</u>	<u>(16/17/19)</u>	<u>(18/20)</u>	<u>(21/22)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	0.1
	<u>Result (% , w/w)</u>				<u>Limit (% , w/w)</u> <u>(max.)</u>
	<u>(23/25)</u>	<u>(24/27)</u>	<u>(26/28)</u>	<u>(29/30)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	0.1
	<u>Result (% , w/w)</u>				<u>Limit (% , w/w)</u> <u>(max.)</u>
	<u>(31)</u>	<u>(32)</u>	<u>(33/34)</u>	<u>(35)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	--	--	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	--	--	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	--	--	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	--	--	0.1
	<u>Result (% , w/w)</u>				<u>Limit (% , w/w)</u> <u>(max.)</u>
	<u>(36/37/38)</u>		<u>(39/40)</u>		
Dibutyl phthalate (DBP)	<0.01		<0.01		--
Diethyl hexyl phthalate (DEHP)	<0.01		<0.01		--
Benzyl butyl phthalate (BBP)	<0.01		<0.01		--
Sum of DBP,DEHP & BBP	<0.01		<0.01		0.1
Di-iso-nonyl phthalate (DINP)	<0.01		<0.01		--
Di-n-octyl phthalate (DnOP)	<0.01		<0.01		--
Di-iso-decyl phthalate (DIDP)	<0.01		<0.01		--
Sum of DINP,DnOP & DIDP	<0.01		<0.01		0.1

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**Test Report**

Number: HKGH01522806

Tests Conducted

Remark : The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) for phthalate content in toys and childcare articles.

Tested components :

- (1) Coatings (black, white) on woven (sewn-in label).
- (2) Coatings on metal (orange, yellow, black car).
- (3) Coating on plastic (black, blue, yellow, orange car).
- (4) Orange plastic (zipper teeth of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (5) Pink plastic (zipper teeth of Barbie ZipBin Beach House #A1687XX).
- (6) Black plastic (zipper teeth of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (7) Blue plastic (zipper teeth of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (8) Deep pink plastic (zipper teeth of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (9) Transparent plastic sheet backed with white non-woven fabric and inaccessible printing (all totes, clutches).
- (10) Black elastic band (pocket of Barbie Fashion Show #A1518XX).
- (11) Dark grey plastic (base of yellow, orange car).
- (12) Shiny black plastic (window of yellow, orange car).
- (13) White plastic sheet (lining of Barbie Keepsake Clutch #AA1717XX) (internal).
- (14) White woven excluding (black, white) coatings (sewn-in label).
- (15) Orange non-woven fabric with orange thread (binding, handle of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (16) Orange woven (zipper tape of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (17) Orange string (zipper puller of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (18) Pale pink non woven fabric with pink thread (binding, handle of Barbie ZipBin Beach House #A1687XX, lining of Barbie Keepsake Clutch #AA1717XX).
- (19) Pale pink woven (zipper tape of Barbie ZipBin Beach House #A1687XX).
- (20) Pale pink string (zipper puller of Barbie ZipBin Beach House #A1687XX).
- (21) Black non-woven fabric with black thread (body, handle of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX, Barbie Fashion Show #A1518XX).
- (22) Black woven (zipper tape of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (23) Red non-woven fabric with red thread (body of Hot Wheels 9 Car Travel Tote #A1721X3).
- (24) Deep blue non-woven fabric with deep blue thread (body of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (25) Blue woven (zipper tape of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (26) Deep pink satin with deep pink thread (binding of Barbie Keepsake Clutch #AA1717XX, Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (27) Black velcro (velcro of Barbie Keepsake Clutch #AA1717XX, Barbie Fashion Show #A1518XX).
- (28) Deep pink woven (zipper tape of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (29) Deep pink velcro (velcro of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX).
- (30) Black net (pocket of Barbie Fashion Show #A1518XX).
- (31) Green woven with white thread stitching (sewn-in label of Star Wars ZipBin Yoda #A1708XX).
- (32) Red woven with white / black / pale yellow / yellow threads stitching ("Neat-Oh!" sewn-in label of ZipBin Airport #A1293Z1).
- (33) White plastic sheet (holder of velcro of Barbie Fashion Show #A1518XX) (internal).
- (34) White foam (lining of Star Wars ZipBin Yoda #A1708XX, ZipBin Airport #A1293X1) (internal).
- (35) Grey paper card (lining of all totes and clutches) (internal).

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**Test Report**

Number: HKGH01522806

Tests Conducted

Tested components :

- (36) Shiny black plastic (wheels of all cars).
- (37) White plastic excluding silver color coating (base of black car).
- (38) Transparent purple plastic (wind shield of blue car).
- (39) Blue plastic (body of blue car).
- (40) Transparent red plastic (wind shield of black car).

Date sample received : May 27, 2013 and Jul 10, 2013

Testing period : May 27, 2013 to Jun 03, 2013 and Jul 10, 2013 to Jul 17, 2013

7 Detection Of Amines Derived From Azocolourants and Azodyes

By extraction on cut sample according to the below listed test method(s), followed by Gas Chromatographic - Mass Spectrometric (GC-MS) analysis.

Test method : EN 14362-1 : 2012 for Textile Material  
EN ISO 17234-1: 2010 for Leather Material  
EN 14362-3 : 2012 & EN ISO 17234-2: 2011 for p-Aminoazobenzene

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>				
			(1)	(2/19/20)	(3)	(4/6/7)	(5/8/11)
1.	4-Aminodiphenyl	92-67-1	N	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N	N
18.	o-Toluidine	95-53-4	10 ppm	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N	N

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 British Standards Institute

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 Hong Kong Toys Council

**Test Report**

Number: HKGH01522806

Tests Conducted

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>				
			<u>(9/10/12)</u>	<u>(13/16/17)</u>	<u>(14/15/18)</u>	<u>(21/22)</u>	<u>(23)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N	N

Remark : N = Not detected  
 Detection limit = 5 ppm  
 Requirement = 30 ppm (max.)  
 ppm = parts per million = mg/kg

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Hong Kong Toys Council

**Test Report**

Number: HKGH01522806

Tests Conducted

Tested components :

- (1) Transparent plastic sheet backed with white non-woven fabric (all totes, clutches).
- (2) Black elastic band (pocket of Barbie Fashion Show #A1518XX).
- (3) White woven with black printing (sewn-in label).
- (4) Orange non-woven fabric (binding, handle of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (5) Orange woven (zipper tape of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (6) Orange string (zipper puller of Hot Wheels ZipBin 300 Car Storage Cube #A1686XX).
- (7) Pale pink non woven fabric (binding, handle of Barbie ZipBin Beach House #A1687XX, lining of Barbie Keepsake Clutch #AA1717XX).
- (8) Pale pink woven (zipper tape of Barbie ZipBin Beach House #A1687XX).
- (9) Pale pink string (zipper puller of Barbie ZipBin Beach House #A1687XX).
- (10) Black non-woven fabric (body, handle of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX, Barbie Fashion Show #A1518XX).
- (11) Black woven (zipper tape of Hot Wheels 9 Car Travel Tote #A1721X3, Star Wars ZipBin Yoda #A1708XX).
- (12) Red non-woven fabric (body of Hot Wheels 9 Car Travel Tote #A1721X3).
- (13) Deep blue non-woven fabric (body of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (14) Blue woven (zipper tape of Neat-Oh! Dinosaur Travel Tote #A1738XX, ZipBin Airport #A1293X1).
- (15) Deep pink satin (binding of Barbie Keepsake Clutch #AA1717XX, Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (16) Black velcro (hook of velcro of Barbie Keepsake Clutch #AA1717XX, Barbie Fashion Show #A1518XX).
- (17) Black brushed knit (loop of velcro of Barbie Keepsake Clutch #AA1717XX, Barbie Fashion Show #A1518XX).
- (18) Deep pink woven (zipper tape of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX, Lego Friends ZipBin Carry Case #A1733XX).
- (19) Deep pink velcro (hook of velcro of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX).
- (20) Deep pink brushed knit (loop of velcro of Lego Friends ZipBin 1000 Brick Toy Box #A1663XX).
- (21) Black net (pocket of Barbie Fashion Show #A1518XX).
- (22) Green woven with white thread stitching (sewn-in label of Star Wars ZipBin Yoda #A1708XX).
- (23) Red woven with white / black / pale yellow / yellow threads stitching ("Neat-Oh!" sewn-in label of ZipBin Airport #A1293Z1).

Date sample received : Jul 10, 2013

Testing period : Jul 10, 2013 to Jul 20, 2013

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End of report

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