



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: HKGH01498352 S1

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

Date: Jun 25, 2013

Attn: ELAN FELDMAN

*This is to supersede report No.  
HKGH01498352 dated Jun 10, 2013*

Sample Description:

One (1) set of submitted sample said to be :  
Item No. / Name

- : - #A1640XX Hot Wheels™ ZipBin® Crash Racer (Blue without car)
- #A1640X1 Hot Wheels™ ZipBin® Crash Racer (Blue with car)
- #A1640X2 Hot Wheels™ ZipBin® Crash Racer (Green without car)
- #A1640X3 Hot Wheels™ ZipBin® Crash Racer (Green with car)
- #A1640X4 Hot Wheels™ ZipBin® Crash Racer (Red without car)
- #A1640X5 Hot Wheels™ ZipBin® Crash Racer (Red with car)
- #A1640X6 Hot Wheels™ ZipBin® Crash Racer (Yellow without car)
- #A1640X7 Hot Wheels™ ZipBin® Crash Racer (Yellow with car)
- #A1450XX Hot Wheels™ ZipBin® Collector Case

Labelled Age Group : "3+"  
 Packaging Provided : Yes  
 Manufacturer : Huizhou Take Point Manufacturing Co. Ltd.  
 Country of Origin : China  
 Date Sample Received : May 27, 2013  
 Testing Period : May 27, 2013 to Jun 17, 2013  
 Applicant's Reference :

M1700XX	Hot Wheels™ ZipBin® Crash Racer Backpack w/o Car Assortment (2 blue, 2 red, 1 green, 1 yellow)
M1700X1	Hot Wheels™ ZipBin® Crash Racer Backpack w/ Car Assortment (2 blue, 2 red, 1 green, 1 yellow)
M1700X2	Hot Wheels™ ZipBin® Crash Racer Backpack w/o Car Assortment (1 blue, 1 red, 1 green, 1 yellow)
M1700X3	Hot Wheels™ ZipBin® Crash Racer Backpack w/ Car Assortment (1 blue, 1 red, 1 green, 1 yellow)

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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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Number: HKGH01498352 S1



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Tests conducted:

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

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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample set	EN71-1 : 2011for mechanical and physical properties	Pass
	EN71-2 : 2011 for Flammability test	Pass
Tested components of submitted sample set	EN71-3 : 1994 and amendment A1 : 2000 and AC : 2002 for toxic elements test	Pass

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To be continued

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Number: HKGH01498352 S1

Conclusion:

Tested Samples  
Tested components of  
submitted sample set

Standard  
Cadmium content requirement in Annex XVII Item 23 of  
the REACH Regulation (EC) No.1907/2006 &  
amendment No. 494/2011

Result  
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

EN71-3: 2013 for migration of certain elements

Pass

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For and on behalf of :  
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Number: HKGH01498352 S1

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	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

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**Test Report**

Number: HKGH01498352 S1

Tests Conducted

Clause	Testing items	Assessment
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
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	NA
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	NA
7.11	Toys intended to be attached to strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	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 and toy.

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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:

1. 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:

- All the above markings were present

Date sample received : May 27, 2013

Testing period : May 27, 2013 to Jun 03, 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	P

Remark : P = Pass

NA = Not applicable

Date sample received : May 27, 2013

Testing period : May 27, 2013 to Jun 03, 2013

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**Test Report**

Number: HKGH01498352 S1

Tests Conducted

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>
	(1)	(2)	(3)	(8)	(10)	(11)	(12)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result in mg/kg</u>							<u>Limit</u>
	(13)	(14)	(15)	(16)	(17)	(18)	(19)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result in mg/kg</u>							<u>Limit</u>
	(20)	(21)	(22)	(23)	(24)	(25)	(26)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

	<u>Result in mg/kg</u>							<u>Limit</u>
	(27)	(28)	(29)	(30)	(31)	(32)	(33)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

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**Test Report**

Number: HKGH01498352 S1

Tests Conducted

Sol. = Soluble  
mg/kg = milligram per kilogram

Tested Components :

- (1) Coatings (white, black) on woven (sewn-in label of all styles).
- (2) Coatings (black, red, yellow) on metal (body of black car).
- (3) Silver color vacuum plated coating on plastic (base of black car, body of white, silver car).
- (4) @ Coatings (black, greenish blue, green) on plastic (body of white car).
- (5) @ Gold color hot stamp foil coating on plastic (wheels of white car, black car).
- (6) @ Coatings (lacquer, orange, white, deep grey) on plastic (body of blue car).
- (7) @ Metallic orange hot stamp foil coating on plastic (wheels of blue car).
- (8) Coatings (dull green, black) on metal (base of silver car).
- (9) @ Coating (red, black, white, yellow) on plastic (logo, wheels of silver car).
- (10) Shiny black plastic (wheels of all cars).
- (11) Transparent green plastic (wind shield of white car).
- (12) Dull white plastic (body of white car).
- (13) Off-white plastic excluding coatings (body of white car).
- (14) White plastic excluding silver color coating (base of black car).
- (15) Transparent dull green plastic (wind shield of silver car).
- (16) Deep grey plastic (body of silver car).
- (17) Black plastic excluding coatings (body of silver car).
- (18) Transparent purple plastic (wind shield of blue car).
- (19) Blue plastic (body of blue car).
- (20) Transparent red plastic (wind shield of black car).
- (21) Red plastic (zipper teeth of storage toy box of collector case).
- (22) Transparent plastic sheet (pocket of storage toy box of collector case).
- (23) Black plastic (zipper teeth of all bags).
- (24) Dull black plastic (buckle of all bags).
- (25) Transparent plastic sheet backed with non-woven fabric (all bags, storage toy box of collector case).
- (26) Red elastic band (lining of pocket of storage toy box of collector case).
- (27) Red non-woven fabric with red thread (handle, lining of collector case).
- (28) Red fabric with black thread (zipper tape of collector case).
- (29) Red velcro (velcro of collector case).
- (30) Red string (string of collector case).
- (31) Black fabric (zipper tape of all bags).
- (32) Black non-woven fabric with orange thread (lining, band, handle of all bags).\
- (33) White woven excluding coatings (sewn-in label of all styles).

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

Date sample received : May 27, 2013  
Testing period : May 27, 2013 to Jun 07, 2013

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**Test Report**

Number: HKGH01498352 S1

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)	(8)	(10)	(11)	
Aluminium (Al)	< 300	< 300	350	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2#	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	130	2500	420	1200	< 100	< 100	46000

Element	Result (mg/kg)						Limit (mg/kg)
	(12)	(13)	(14)	(15)	(16)	(17)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	46000

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Number: HKGH01498352 S1

Tests Conducted

Element	Result (mg/kg)						Limit (mg/kg)
	(18)	(19)	(20)	(21)	(22)	(23)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0Δ	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)						Limit (mg/kg)
	(24)	(25)	(26)	(27)	(28)	(29)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2#	< 0.2	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	670	< 100	< 100	< 100	46000

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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(30)	(31)	(32)	(33)	
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.

Tested Components :

- (1) Coatings (white, black) on woven (sewn-in label of all styles).
- (2) Coatings (black, red, yellow) on metal (body of black car).
- (3) Silver color vacuum plated coating on plastic (base of black car, body of white, silver car).
- (4) @ Coatings (black, greenish blue, green) on plastic (body of white car).
- (5) @ Gold color hot stamp foil coating on plastic (wheels of white car, black car).
- (6) @ Coatings (lacquer, orange, white, deep grey) on plastic (body of blue car).
- (7) @ Metallic orange hot stamp foil coating on plastic (wheels of blue car).
- (8) Coatings (dull green, black) on metal (base of silver car).
- (9) @ Coating (red, black, white, yellow) on plastic (logo, wheels of silver car).
- (10) Shiny black plastic (wheels of all cars).
- (11) Transparent green plastic (wind shield of white car).
- (12) Dull white plastic (body of white car).
- (13) Off-white plastic excluding coatings (body of white car).
- (14) White plastic excluding silver color coating (base of black car).
- (15) Transparent dull green plastic (wind shield of silver car).
- (16) Deep grey plastic (body of silver car).
- (17) Black plastic excluding coatings (body of silver car).

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**Test Report**

Number: HKGH01498352 S1

Tests Conducted

Tested Components :

- (18) Transparent purple plastic (wind shield of blue car).
- (19) Blue plastic (body of blue car).
- (20) Transparent red plastic (wind shield of black car).
- (21) Red plastic (zipper teeth of storage toy box of collector case).
- (22) Transparent plastic sheet (pocket of storage toy box of collector case).
- (23) Black plastic (zipper teeth of all bags).
- (24) Dull black plastic (buckle of all bags).
- (25) Transparent plastic sheet backed with non-woven fabric (all bags, storage toy box of collector case).
- (26) Red elastic band (lining of pocket of storage toy box of collector case).
- (27) Red non-woven fabric with red thread (handle, lining of collector case).
- (28) Red fabric with black thread (zipper tape of collector case).
- (29) Red velcro (velcro of collector case).
- (30) Red string (string of collector case).
- (31) Black fabric (zipper tape of all bags).
- (32) Black non-woven fabric with orange thread (lining, band, handle of all bags).\
- (33) White woven excluding coatings (sewn-in label of all styles).

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

(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

Testing period : May 27, 2013 to Jun 17, 2013

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**Test Report**

Number: HKGH01498352 S1

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.

Tested Component	Result in %
(1)	ND
(2)	ND
(3/4/5)	ND
(6/7/8)	ND
(9/10/11)	ND
(12/13/14)	ND
(15/16/17)	ND
(18/19)	ND
(20/21)	ND
(22/23)	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 on plastic (wheels of all cars, body of white, silver, blue car).
- (2) Coatings (black, yellow, red, dull green) on metal (base of blue car, body of black car).
- (3) Shiny black plastic (wheels of all cars).
- (4) Transparent green plastic (wind shield of white car).
- (5) Dull white plastic (body of white car).
- (6) Off-white plastic excluding coatings (body of white car).
- (7) White plastic excluding silver color coating (base of black car).
- (8) Transparent dull green plastic (wind shield of silver car).
- (9) Deep grey plastic (body of silver car).
- (10) Black plastic excluding coatings (body of silver car).
- (11) Transparent purple plastic (wind shield of blue car).
- (12) Blue plastic (body of blue car).
- (13) Transparent red plastic (wind shield of black car).
- (14) Red plastic (zipper teeth of storage toy box of collector case).
- (15) Transparent plastic sheet (pocket of storage toy box of collector case).
- (16) Black plastic (zipper teeth of all bags).
- (17) Dull black plastic (buckle of all bags).
- (18) Transparent plastic sheet backed with non-woven fabric (all bags, storage toy box of collector case).
- (19) Red elastic band (lining of pocket of storage toy box of collector case).
- (20) Orange plastic (seat of blue car) (internal).
- (21) White plastic (seat of black car) (internal).
- (22) White foam (storage toy box of collector case, all bags) (internal).
- (23) White plastic sheet (base of velcro of storage toy box of collector case) (internal).

Date sample received : May 27, 2013

Testing period : May 27, 2013 to Jun 07, 2013

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**Test Report**

Number: HKGH01498352 S1

Tests Conducted

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>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<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
	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u> <u>(max.)</u>
	<u>(4/5/6)</u>	<u>(7/8/9)</u>	<u>(10/11/12)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<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
	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u> <u>(max.)</u>
	<u>(13/14/15)</u>	<u>(16/17/18)</u>	<u>(19/20)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<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
	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u> <u>(max.)</u>
	<u>(21/22)</u>	<u>(23/24)</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

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**Test Report**

Number: HKGH01498352 S1

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 (white, black) on woven (sewn-in label of all styles).
- (2) Coatings on plastic (wheels of all cars, body of white, silver, blue car).
- (3) Coatings (black, yellow, red, dull green) on metal (base of blue car, body of black car).
- (4) Shiny black plastic (wheels of all cars).
- (5) Transparent green plastic (wind shield of white car).
- (6) Dull white plastic (body of white car).
- (7) Off-white plastic excluding coatings (body of white car).
- (8) White plastic excluding silver color coating (base of black car).
- (9) Transparent dull green plastic (wind shield of silver car).
- (10) Deep grey plastic (body of silver car).
- (11) Black plastic excluding coatings (body of silver car).
- (12) Transparent purple plastic (wind shield of blue car).
- (13) Blue plastic (body of blue car).
- (14) Transparent red plastic (wind shield of black car).
- (15) Red plastic (zipper teeth of storage toy box of collector case).
- (16) Transparent plastic sheet (pocket of storage toy box of collector case).
- (17) Black plastic (zipper teeth of all bags).
- (18) Dull black plastic (buckle of all bags).
- (19) Transparent plastic sheet backed with non-woven fabric (all bags, storage toy box of collector case).
- (20) Red elastic band (lining of pocket of storage toy box of collector case).
- (21) Orange plastic (seat of blue car) (internal).
- (22) White plastic (seat of black car) (internal).
- (23) White foam (storage toy box of collector case, all bags) (internal).
- (24) White plastic sheet (base of velcro of storage toy box of collector case) (internal).

Date sample received : May 27, 2013

Testing period : May 27, 2013 to Jun 03, 2013

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**Test Report**

Number: HKGH01498352 S1

Tests Conducted

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)	(2/3/9)	(4/8)
1.	4-Aminodiphenyl	92-67-1	N	N	N
2.	Benzidine	92-87-5	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N
14.	p-Cresidine	120-71-8	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N
18.	o-Toluidine	95-53-4	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N
21.	o-Anisidine	90-04-0	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N

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**Test Report**

Number: HKGH01498352 S1

Tests Conducted

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

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

Tested components :

- (1) Transparent synthetic sheet backed with non-woven fabric (all bags, storage toy box of collector case).
- (2) Red elastic band (binning of pocket of storage toy box of collector case).
- (3) Red non-woven fabric (handle, lining of collector case).
- (4) Red fabric (zipper tape of collector case).
- (5) Red velcro hook (velcro of collector case).
- (6) Red velcro loop (velcro of collector case).
- (7) Red string (string of collector case).
- (8) Black fabric (zipper tape of all bags).
- (9) Black non-woven fabric (binning, band, handle of all bags).
- (10) White woven with black printing (sewn-in label of all styles).

Date sample received : May 27, 2013  
Testing period : May 27, 2013 to Jun 08, 2013

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End of report

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