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Members of :

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British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**Test Report**

Number: HKGH01577243

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

Date: Dec 20, 2013

Sample Description:

Five (5) sets of submitted sample said to be :  
Item Name

- #A1465XX Barbie™ ZipBin® Dream House Toy Box & Playmat
- #A1591XX Barbie™ Clutch and Closet with Bow
- #A1645XX Hot Wheels™ ZipBin® Ramp Race
- #A1639X1 Hot Wheels™ ZipBin® Wheelie
- #A1613XX LEGO® Friends Heartlake Wristlet
- #A1386X2 ZipBin® Princess Doll House
- #A1089X1 ZipBin® Princess Mini Unicorn
- #A1101X1 ZipBin® Princess Mini Mansion
- #A1433X1 LEGO® Star Wars™ ZipBin® Toy Box & Playmat
- #A1471XX LEGO® Star Wars™ ZipBin® Small Millennium Falcon
- #A1565XX LEGO® Star Wars™ ZipBin® Death Star
- #A1435XX LEGO® Star Wars™ ZipBin® Battle Bridge
- #A1564XX Star Wars™ ZipBin® Darth Vader
- #A1043X2 ZipBin® Mini Dinosaur
- #A1081X4 ZipBin® Dinosaur Toy Box & Playmat
- #A1289X7 ZipBin® Dinopack
- #A1397XX Hot Wheels™ ZipBin® Ramp It Up
- #A1079X3 ZipBin® Farmland Toy Box & Playmat
- #A1100X1 ZipBin® Farmland Mini Playset
- #A1305X1 LEGO® CITY ZipBin® Toy Box & Playmat
- #A1344XX LEGO® CITY ZipBin® Basket
- #A1354XX LEGO® Head ZipBin® Toy Tote & Playmat
- #A1388X1 LEGO® CITY Fire ZipBin® Toy Box & Playmat
- #A1509XX LEGO® Ninjago Battle Arena
- #A1632XX LEGO® CHIMA ZipBin® Battle Case
- #A1041X3 ZipBin® Small Town Toy Box & Playmat
- #A1585XX ZipBin® Road & Rail Toy Box & Playmat
- #A1204X1 ZipBin® Mini Speedway
- #A1261X7 ZipBin® Wheelie
- #A1276X8 ZipBin® Street Racer
- #M1569X3 The Picnic Lunch Box™ Assortment

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

Angel Y.F. Cheung  
Vice President





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Sample Description:  
Item Name

- : - #A1510XX Penny Pig Lunch Box & Placemat
- #A1511XX Denzel Dog Lunch Box & Placemat
- #A1512XX Clyde Cow Lunch Box & Placemat
- #A1513XX Carmen Cat Lunch Box & Placemat
- #A1651XX Zebra Lunch Box & Placemat
- #A1652XX Frog Lunch Box & Placemat
- #A1483XX Hot Wheels 40 Car Tin
- #A1483X1 Hot Wheels 40 Car Tin with Hot Wheel Car
- #T1181 Emma - 4 1/2" Doll
- #T1182 Haley - 4 1/2" Doll
- #T1183 Sophie - 4 1/2" Doll

Labelled Age Group

- : 5+ (for #A1613XX, #A1565XX and #A1632XX only)
- 3+ for others

Packaging Provided

- : Yes

Manufacturer

- : Huizhou Take Point Manufacturing Co. Ltd.

Country of Origin

- : China

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To be continued

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## Test Report

Number: HKGH01577243

Sample Description:



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To be continued

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### Test Report

Number: HKGH01577243

Sample Description:



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**Test Report**

Number: HKGH01577243

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 sets	Australian / New Zealand Standard AS/NZS ISO 8124-1:2013 safety aspects related to mechanical and physical properties	Pass
	Australian / New Zealand Standard AS/NZS ISO 8124-2:2009 for flammability test	Pass
Tested components of submitted sample sets	Australian / New Zealand Standard AS/NZS ISO 8124-3:2003 for toxic elements test (Australian Trade Practice Act 1974 with Consumer Protection Notice no. 1, 2009 - Consumer Product Safety Standard for Lead and certain elements in children's toys.)	Pass
	Australian Customs Notice no. 2007/46 - amendments to the Customs (Prohibited Imports) Regulations 1956 Schedule 2 Item 2 for toxic elements test.	Pass

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**Test Report**

Number: HKGH01577243

Tests Conducted

1 Physical And Mechanical Tests

As per the Australian / New Zealand Standard AS/NZS ISO 8124-1:2013 Safety aspects related to mechanical and physical properties.

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

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the clause 5.24 of AS/NZS ISO 8124-1 : 2013 before the assessment of the relevant requirement in clause 4 :

<u>Clause</u>	<u>Test</u>	<u>Parameter</u>
5.24.2	Drop test	4x93±5cm
5.24.3	Tip-over test	3 times
5.24.5	Torque test	0.45±0.02Nm
5.24.6	Tension test	70±2N
5.24.7	Compression test	136±2N

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







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Tests Conducted

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.24	Liquid-filled toys	NA
4.25	Mouth-actuated toys	NA
4.26	Toy roller skates, toy inline skates and toy skateboards	NA
4.27	Percussion caps	NA
4.28	Acoustic requirements	NA
4.29	Toy scooters	NA
4.30	Magnets and magnetic components	NA
Annex B	Safety labeling guidelines and manufacturer's markings	P
Annex D	Toy gun marking	NA

Remark : P = Pass

NA = Not applicable

Date sample received : Nov 19, 2013 and Dec 04, 2013

Testing period : Nov 19, 2013 to Dec 09, 2013

2 Flammability Test

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

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

Remark : P = Pass

NA = Not applicable

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

Date sample received : Nov 19, 2013

Testing period : Nov 19, 2013 to Nov 29, 2013

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**Test Report**

Number: HKGH01577243

Tests Conducted

3 Toxic Elements Analysis

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

	Result in mg/kg						Limit mg/kg
	(1)	(6)	(20)	(27)	(28)	(29)	
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
	(34)	(35)	(37)	(47)	(48)	(49)	
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
	(50)	(51)	(52)	(53)	(54)	(55)	
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
	(56)	(57)	(58)	(59)	(60)	(61)	
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
	(62)	(63)	(64)	(65)	(66)	(67)	
Sol. Barium (Ba)	<5	55	<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
	(68)	(69)	(70)	(71)	(72)	(73)	
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
	(74)	(75)	(76)	(77)	(78)	(79)	
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
	(80)	(81)	(82)	(83)	(84)	(85)	
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
	(86)	(87)	(88)	(89)	(90)	(91)	
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
	(92)	(93)	(94)	(95)	(96)	(97)	
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
	(98)	(99)	(100)	(101)	(102)	(103)	
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
	(104)	(105)	(106)	(107)	(108)	(109)	
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
	(110)	(111)	(112)	(113)	(114)	(115)	
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
	(116)	(117)	(118)	(119)	(120)	(121)	
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
	(122)	(123)	(124)	(125)	(126)	(127)	
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
	(128)	(129)	(130)	(131)	(132)	(133)	
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						mg/kg
	(134)	(135)	(136)	(137)	(138)	(139)	
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						mg/kg
	(140)	(141)	(142)	(143)	(144)	(145)	
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						mg/kg
	(146)	(147)	(148)	(149)	(150)	(151)	
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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**Test Report**

Number: HKGH01577243

Tests Conducted

	(152)	(153)	(154)	(155)	(156)	(157)	mg/kg
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)	50	<5	50	<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

	(158)	(159)	(160)	(161)	(162)	(163)	mg/kg
Sol. Barium (Ba)	<5	12	<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

	(164)	(165)	(166)	(167)	(168)	(169)	mg/kg
Sol. Barium (Ba)	<5	<5	<5	<5	<5	<5	1000
Sol. Lead (Pb)	<5	<5	<5	<5	<5	<5	90
Sol. Cadmium (Cd)	<5	<5	<5	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	<5	<5	<5	500
Sol. Chromium (Cr)	<5	<5	<5	<5	<5	<5	60
Sol. Mercury (Hg)	<5	<5	<5	<5	<5	<5	60
Sol. Arsenic (As)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	25

Sol. = Soluble  
mg/kg = milligram per kilogram

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**Test Report**

Number: HKGH01577243

Tests Conducted

Tested Components :

- (1) Coatings (white, black) on woven (sewn-in label of #A1465XX, #A1591XX, #A1645XX, #A1639X1, #A1613XX, #A1386X2, #A1089X1, #A1101X1, #A1433X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1043X2, #A1081X4, #A1289X7, #A1397XX, #A1079X3, #A1100X1, #A1305X1, #A1344XX, #A1354XX, #A1388X1, #A1509XX, #A1632XX, #A1041X3, #A1585XX, #A1204X1, #A1261X7, #A1276X8, #A1510XX, #A1511XX, #A1512XX, #A1513XX, #A1651XX, #A1652XX).
- (2) @ White coating on fabric (barbie logo of #A1591XX).
- (3) @ Metallic orange hot stamp foil coating on plastic (wheels of car of #A1645XX, #A1397XX).
- (4) @ Orange coating on plastic (body of car of #A1645XX, #A1397XX).
- (5) @ Gold color hot stamp foil coating on plastic (wheels of car of #A1639X1).
- (6) Black coating on metal (body of car of #A1639x1).
- (7) @ Grey coating on plastic (front light of car of #A1645XX, #A1397XX).
- (8) @ Deep white coating on plastic (front light of car of #A1645XX, #A1397XX).
- (9) @ Silver color vacuum plated coating on plastic (chassis of car of #A1639X1, engine of #A1204X1).
- (10) @ Brown coating on plastic (eyebrows of doll of #A1386X2, #A1101X1).
- (11) @ Blue coating on plastic (eyes of doll of #A1386X2, #A1101X1).
- (12) @ White coating on plastic (eyes of doll of #A1386X2, #A1101X1, eyes of horse of #A1089X1, eyes of dinosaur of #A1081X4, #A1289X7, #NO.39).
- (13) @ Red coating on plastic (mouth of doll of #A1386X2, #A1101X1).
- (14) @ Pink coating on plastic (blush of doll of #A1386X2, #A1101X1, #NO.39).
- (15) @ Black coating on plastic (eyes of #A1089X1, #A1043X2, #A1081X4, #A1289X7, #NO.39).
- (16) @ Deep purple coating on plastic (eyes of horse of #A1089X1).
- (17) @ Purple coating on plastic (horn of horse of #A1089X1).
- (18) @ Green coating on plastic (dinosaur of #A1043X2).
- (19) @ Dark green coating on plastic (Triceratops of #A1043X2).
- (20) Shiny dark green coating on plastic (alamosaurus of #A1081X4).
- (21) @ Shiny dark purple coating on plastic (legs of alamosaurus of #A1081X4).
- (22) @ Yellow coating on plastic (body of red triceratops of #A1081X4).
- (23) @ Flesh color coating on plastic (horn of red triceratops of #A1081X4).
- (24) @ Dark blue coating on plastic (nose of red triceratops of #A1081X4).
- (25) @ Deep aqua coating on plastic (megalosaurus of #A1289X7).
- (26) @ Dull yellow coating on plastic (megalosaurus of #A1289X7).
- (27) Coatings (blue, light flesh color, black) on plastic (worker of #A1079X3, #A1100X1).
- (28) Shiny pale red coating on plastic (car of #A1079X3, #A1100X1).
- (29) Shiny pale black coating on plastic (wheels of #A1079X3, #A1100X1).
- (30) @ Shiny black coating on fabric (lego logo of #A1344XX).
- (31) @ Shiny red coating on fabric (lego logo of #A1344XX).
- (32) @ Shiny yellow coating on fabric (lego logo of #A1344XX).
- (33) @ Shiny white coating on fabric (lego logo of #A1344XX).
- (34) Red coating on metal (car of #A1041X3, #A1204X1, #A1261X7, #A1276X8, #A1639X1).
- (35) Coatings on metal (pattern of car of #A1041X3, #A1204X1).
- (36) @ Silver color hot stamp foil coating on plastic (wheels of car of #A1041X3, #A1261X7, #A1261X7, #A1276X8).
- (37) Shiny yellow coating on metal (yellow car of #A1261X7).
- (38) @ Dull silver color coating on metal (front light of cars of #A1261X7, #A1276X8).
- (39) @ Deep blue coating on plastic (eyes of girls of #NO.39).
- (40) @ Pale pink coating on plastic (eyes and lips of girls of #NO.39).
- (41) @ Pale light brown coating on plastic (eyebrows of girls of #NO.39).
- (42) @ Dull blue coating on fabric (clothes of shiny pale beige hair girl of #NO.39).
- (43) @ Dull pale blue coating on fabric (clothes of shiny pale beige hair girl of #NO.39).
- (44) @ Dull yellow coating on fabric (clothes of shiny pale gold color hair girl of #NO.39).
- (45) @ Dull orange coating on fabric (clothes of shiny pale gold color hair and brown hair girl of #NO.39).

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**Test Report**

Number: HKGH01577243

Tests Conducted

Tested Components :

- (46) @ Dull light green coating on fabric (clothes of brown hair girl of #NO.39).
- (47) Shiny black plastic (zipper teeth of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1043X2, #A1081X4, #A1397XX, #A1344XX, #A1388X1, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (48) Shiny purple plastic (zipper teeth of #A1613XX).
- (49) Shiny pink plastic (zipper teeth of #A1386X2, #A1101X1, #A1510XX).
- (50) Shiny light blue plastic (zipper teeth of #A1089X1).
- (51) Shiny dark blue plastic (zipper teeth of #A1433X1, #A1632XX).
- (52) Shiny green plastic (zipper teeth of #A1289X7).
- (53) Shiny deep red plastic (zipper teeth of #A1079X3, #A1100X1).
- (54) Shiny yellow plastic (zipper teeth of #A1305X1, #A1354XX).
- (55) Shiny light green plastic (zipper teeth of #A1585XX).
- (56) Shiny red plastic (zipper teeth of #A1204X1, #A1276X8).
- (57) Shiny orange plastic (zipper teeth of #A1513XX).
- (58) Shiny dark green plastic (zipper teeth of #A1043X2, #A1081X4, #A1652XX).
- (59) Transparent plastic sheet backed with non-woven fabric and multi-color thread (playmat of #A1465XX, #A1591XX, #A1645XX, #A1639X1, #A1613XX, #A1386X2, #A1089X1, #A1101X1, #A1433X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1043X2, #A1081X4, #A1289X7, #A1397XX, #A1079X3, #A1100X1, #A1305X1, #A1344XX, #A1354XX, #A1388X1, #A1509XX, #A1632XX, #A1041X3, #A1585XX, #A1204X1, #A1261X7, #A1276X8, #A1510XX, #A1511XX, #A1512XX, #A1513XX, #A1651XX, #A1652XX).
- (60) Transparent plastic sheet (pocket of #A1591XX, #A1645XX, #A1613XX, #A1471XX, #A1565XX, #A1435XX, #A1261X7).
- (61) Pink elastic band (band of pocket of #A1591XX).
- (62) Black elastic band (band of pocket of #A1509XX).
- (63) Yellow elastic band (band of pocket of #A1261X7).
- (64) Blue plastic (car body of #A1645XX, #A1397XX).
- (65) Black plastic (wheels of car of #1645XX, #A1639X1, #A1397XX, #A1632XX, #A1276X8 #A1204X1, #A1261X7).
- (66) Transparent purple plastic (windshield of car of #A1591XX, #A1397XX).
- (67) Off white plastic excluding silver color vacuum plated coating (chassis of car of #A1639X1).
- (68) Flesh color plastic (body of doll of #A1386X2, #A1101X1).
- (69) Pale flesh color plastic (head of doll of #A1386X2, #A1101X1).
- (70) Shiny flesh color plastic (arms and legs of doll of #A1386X2, #A1101X1).
- (71) Transparent red plastic (windshield of car of #A1639X1).
- (72) Shiny light beige plastic sheet (hair of doll of #A1386X2, #A1101X1).
- (73) Transparent elastic band (hair band of #A1386X2, #A1101X1, band of horse of #A1089X1, band of girls of #NO.39).
- (74) Pearlized sheen plastic sheet with fabric backing (dress of doll of #A1386X2, #A1101X1).
- (75) Light black plastic (buckle of #A1386X2, #A1564XX, #A1289X7, #A1276X8).
- (76) Pink plastic (horse of #A1089X1).
- (77) Blue plastic sheet (hair of horse of #A1089X1).
- (78) Yellow plastic sheet (hair of horse of #A1089X1).
- (79) Silver color plastic sheet (strap of deep pink dress of doll of #A1101X1).
- (80) Dull yellow plastic (Triceratops of #A1043X2).
- (81) Dull pale green plastic (dinosaur of #A1043X2).
- (82) Dull beige plastic (alamosaurus of #A1081X4).
- (83) Dull red plastic (red triceratops of #A1081X4).
- (84) Grey plastic (megalosaurus of #A1289X7).
- (85) Shiny white plastic excluding coatings (worker and car of #A1079X3, #A1100X1).
- (86) Grey plastic (ladder of car of #A1041X3).
- (87) Dull black plastic (chassis of car of #A1041X3, #A1204X1, #A1261X7, #A1276X8).

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**Test Report**

Number: HKGH01577243

Tests Conducted

Tested Components :

- (88) Transparent plastic (windshield of car of #A1041X3).
- (89) Transparent brown plastic (windshield of yellow car of #A1261X7).
- (90) Deep grey plastic (chassis of yellow car of #A1261X7).
- (91) Shiny black plastic (windshield of red car of #A1261X7, #A1276X8).
- (92) Transparent plastic (velcro of clothes of #NO.39).
- (93) Shiny pale beige plastic sheet (hair of shiny pale beige hair girl of #NO.39).
- (94) Shiny pale gold color plastic sheet (hair of shiny pale gold color hair girl of #NO.39).
- (95) Brown color plastic sheet (hair of brown hair girl of #NO.39).
- (96) Pale brown plastic (head of girls of #NO.39).
- (97) Pale flesh color plastic (body of girls of #NO.39).
- (98) Pale light flesh color plastic (arms and legs of girls of #NO.39).
- (99) Dull pink plastic (shoes of girls of #NO.39).
- (100) Dull brown plastic (shoes of girls of #NO.39).
- (101) Black non-woven fabric with black thread (handle and binding of playmat of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1397XX, #A1344XX, #A1388X1, #A1509XX, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (102) Pink non-woven fabric with pink thread (handle and binding of playmat of #A1386X2, #A1101X1, #A1510XX).
- (103) Pale blue non-woven fabric with pale blue thread (handle and binding of playmat of #A1089X1).
- (104) Dark blue non-woven fabric with dark blue thread (handle and binding of playmat of #A1433X1, #A1632XX).
- (105) Dark green non-woven fabric with dark green thread (handle and binding of playmat of #A1043X2, #A1081X4, #A1652XX).
- (106) Deep red non-woven fabric with deep red thread (handle and binding of playmat of #A1079X3, #A1100X1).
- (107) Yellow non-woven fabric with yellow thread (handle and binding of playmat of #A1305X1, #A1354XX, #A1344XX).
- (108) Red non-woven fabric with red thread (playmat of #A1344XX, #A1585XX, #A1204X1, #A1276X8).
- (109) Blue non-woven fabric with blue thread (playmat of #A1344XX, #A1585XX).
- (110) Light green non-woven fabric with light green thread (playmat of #A1585XX).
- (111) Orange non-woven fabric with orange thread (binding and handle of playmat of #A1513XX).
- (112) Black string (strap of zipper of #A1465XX, #A1639X1, #A1435XX, #A1397XX, #A1509XX, #A1041X3, #A1511XX, #A1512XX, #A1651XX).
- (113) Pale blue string (strap of zipper of #A1089X1).
- (114) Pink string (strap of zipper of #A1101X1, #A1510XX).
- (115) Dark blue string (strap of zipper of #A1433X1).
- (116) Dark green string (strap of zipper of #A1043X2, #A1081X4, #A1652XX).
- (117) Deep red string (strap of zipper of #A1079X3, #A1100X1).
- (118) Yellow string (strap of zipper of #A1305X1, #A1354XX, #A1261X7).
- (119) Light green string (strap of zipper of #A1585XX).
- (120) Red string (strap of zipper of #A1204X1).
- (121) Orange string (strap of zipper of #A1513XX).
- (122) Black fabric (zipper tape of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1397XX, #A1344XX, #A1388X1, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (123) Pink fabric (zipper tape of #A1386X2, #A1101X1, #A1510XX).
- (124) Pale blue fabric (zipper tape of #A1089X1).
- (125) Dark blue fabric (zipper tape of #A1433X1, #A1632XX).
- (126) Hot purple fabric (zipper tape of #A1613XX).
- (127) Dark green fabric (zipper tape of #A1043X2, #A1081X4, #A1652XX).
- (128) Green fabric (zipper tape of #A1289X7).

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**Test Report**

Number: HKGH01577243

Tests Conducted

Tested Components :

- (129) Deep red fabric (zipper tape of #A1079X3, #A1100X1).
- (130) Yellow fabric (zipper tape of #A1305X1, #A1354XX).
- (131) Red fabric (zipper tape of #A1276X8, #A1204X1).
- (132) Orange fabric (zipper tape of #A1513XX).
- (133) Shiny black ribbon (bow of #A1591XX).
- (134) Shiny black fabric (strap of #A1591XX).
- (135) Shiny pink satin (binding of #A1591XX).
- (136) Black fabric (connector of #A1639X1, #A1471XX, #A1261X7).
- (137) Hot purple satin (strap and binding of #A1613XX, dress of #A1101X1).
- (138) Black velcro (velcro of #A1639X1, #A1435XX, #A1564XX, #A1509XX, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (139) White velcro (velcro of dresses of #A1386X2, #A1101X1, clothes of #NO.39).
- (140) Pink velcro (velcro of playmat of #A1386X2, #A1510XX).
- (141) Dark blue velcro (velcro of playmat of #A1433X1).
- (142) Light blue velcro (velcro of playmat of #A1081X4).
- (143) Red velcro (velcro of playmat of #A1079X3, #A1100X1).
- (144) Yellow velcro (velcro of playmat of #A1305X1).
- (145) Orange velcro (velcro of playmat of #A1513XX).
- (146) Dark green velcro (velcro of playmat of #A1652XX).
- (147) Pale pink satin (dress of doll of #A1386X2, #A1101X1).
- (148) Black mesh (pocket of #A1509XX).
- (149) Pink felt (ears of #A1510XX).
- (150) Black felt (ears of #A1511XX, #A1651XX).
- (151) Off white felt (ears of #A1512XX).
- (152) Orange felt (ears of #A1513XX).
- (153) Yellow felt (crown of #A1652XX).
- (154) Light aqua knit (clothes of shiny pale beige hair girl of #NO.39).
- (155) Purple knit (jeans of shiny pale beige hair girl of #NO.39).
- (156) Deep red knit (clothes of shiny pale gold hair girl of #NO.39).
- (157) Dull flesh color knit (jeans of shiny pale gold hair girl of #NO.39).
- (158) Dull pink knit (clothes of brown hair girl of #NO.39).
- (159) Dull blue knit (jeans of brown hair girl of #NO.39).

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Hong Kong Toys Council

**Test Report**

Number: HKGH01577243

Tests Conducted

Tested Components :

- (160) White woven excluding (white, black) coatings (sewn-in label of #A1465XX, #A1591XX, #A1645XX, #A1639X1, #A1613XX, #A1386X2, #A1089X1, #A1433X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1081X4, #A1289X7, #A1079X3, #A1101X1, #A1305X1, #A1354XX, #A1388X1, #A1509XX, #A1632XX, #A1041X3, #A1585XX, #A1204X1, #A1261X7, #A1276X8, #A1510XX, #A1511XX, #A1512XX, #A1513XX, #A1651XX, #A1652XX).
- (161) Red woven with white / pale yellow / black thread stitching (sewn-in label of #A1089X1, #A1101X1, #A1043X2, #A1081X4, #A1289X7, #A1079X3, #A1100X1, #A1041X3, #A1585XX, #A1204X1, #A1276X8, #A1510XX, #A1511XX, #A1512XX, #A1513XX, #A1651XX, #A1652XX).
- (162) White woven with deep blue / red / yellow / black thread stitching (sewn-in label of #A1433X1).
- (163) White woven with deep green / red / yellow / black thread stitching (sewn-in label of #A1471XX, #A1565XX, #A1435XX).
- (164) Blue woven with orange thread stitching (sewn-in label of #A1564XX).
- (165) White woven with multi-color printing and multi-color lurex inserted (binding of deep pink dress of doll of #A1101X1).
- (166) Black webbing (handle of #A1471XX, #A1261X7).
- (167) Green webbing (binding of #A1289X7).
- (168) Deep green webbing (strap of #A1289X7).
- (169) Light green fabric (zipper tape of #A1585XX).

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

Date sample received : Nov 19, 2013

Testing period : Nov 19, 2013 to Nov 25, 2013

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End of report

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