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Members of :

American National Standards Institute
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Hong Kong Association for Testing, Inspection and Certification Limited
Hong Kong Toys Council

Test Report

Number: HKGH01577242

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

Date: Jan 02, 2014

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

To be continued

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

Angel Y.F. Cheung
Vice President



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Sample Description:
Item Name

- : - #A1261X7 ZipBin® Wheelie
- #A1276X8 ZipBin® Street Racer
- #M1569X3 The Picnic Lunch Box™ Assortment
- #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
Manufacturer
Country of Origin

- : Yes
- : Huizhou Take Point Manufacturing Co. Ltd.
- : China



To be continued

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Sample Description:



Tests conducted:

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

To be continued

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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample sets	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. 835/2012	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

For and on behalf of :
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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.

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
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	P
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



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Tests Conducted

Clause	Testing items	Assessment
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	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 and indication of hazard was found on the packaging.





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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:

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. (for #A1483XX and #A1483X1 only)

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

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

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



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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.

	Result in mg/kg						Limit
	(1)	(6)	(20)	(27)	(28)	(29)	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

	Result in mg/kg						Limit
	(34)	(35)	(37)	(47)	(48)	(49)	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

	Result in mg/kg						Limit
	(50)	(51)	(52)	(53)	(54)	(55)	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

	Result in mg/kg						Limit
	(56)	(57)	(58)	(59)	(60)	(61)	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



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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						Limit 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						Limit 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						Limit 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	55	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
	(152)	(153)	(154)	(155)	(156)	(157)	
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	50	<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
	(158)	(159)	(160)	(161)	(162)	(163)	
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

	Result in mg/kg						Limit mg/kg
	(164)	(165)	(166)	(167)	(168)	(169)	
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

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).



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Tested Components :

- (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).
- (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).



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Tested Components :

- (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).
- (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).



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Tested Components :

- (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).
- (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).



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Tested Components :

- (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 dress 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).
- (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 Dec 10, 2013



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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)	(6)	(20)	(27)	
Aluminium (Al)	< 300	< 300	< 300	450	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)	< 0.1#	< 0.1	< 0.1	< 0.1#	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	88	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0Δ	8.3	12
Zinc (Zn)	< 100	13000	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(28)	(29)	(34)	(35)	
Aluminium (Al)	< 300	< 300	410	530	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)	< 0.1	< 0.1	< 0.1	< 0.1	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	5.8	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	13000	15000	46000





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Element	Result (mg/kg)				Limit (mg/kg)
	(37)	(47)	(48)	(49)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	95	21	12	180000
Organic tin	< 3.0	< 3.0Δ	< 3.0Δ	< 3.0Δ	12
Zinc (Zn)	4400	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(50)	(51)	(52)	(53)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	< 3.0Δ	< 3.0Δ	< 3.0Δ	< 3.0Δ	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000



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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(54)	(55)	(56)	(57)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	10	8.8	8.6	8.7	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(58)	(59)	(60)	(61)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	7.6	7.4	8.7	< 3.0Δ	12
Zinc (Zn)	< 100	< 100	< 100	540	46000



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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(62)	(63)	(64)	(65)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	55	< 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)	< 0.1	< 0.1	< 0.1	< 0.1	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	5.7	6.4	3.8	4.4	12
Zinc (Zn)	750	880	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(66)	(67)	(68)	(69)	
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)	< 0.1	< 0.1#	< 0.1	< 0.1	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	4.8	7	4.1	4.8	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000



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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(70)	(71)	(72)	(73)	
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)	< 0.1	< 0.1	< 0.1#	< 0.1	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	5.8	3.9	3.3	3.3	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(74)	(75)	(76)	(77)	
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)	< 0.1	< 0.1	< 0.1	< 0.1#	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	5.1	4.2	4.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000



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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(78)	(79)	(80)	(81)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	16	13	180000
Organic tin	< 3.0	< 3.0	< 3.0Δ	< 3.0Δ	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(82)	(83)	(84)	(85)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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)	22	24	26	< 10	180000
Organic tin	< 3.0Δ	< 3.0Δ	< 3.0Δ	5.9	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000



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Element	Result (mg/kg)				Limit (mg/kg)
	(86)	(87)	(88)	(89)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(90)	(91)	(92)	(93)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Element	Result (mg/kg)				Limit (mg/kg)
	(94)	(95)	(96)	(97)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	5.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(98)	(99)	(100)	(101)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(102)	(103)	(104)	(105)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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)
	(106)	(107)	(108)	(109)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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



Test Report

Number: HKGH01577242

Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(110)	(111)	(112)	(113)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	32	< 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)
	(114)	(115)	(116)	(117)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(118)	(119)	(120)	(121)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	7.6	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	46000

Element	Result (mg/kg)				Limit (mg/kg)
	(122)	(123)	(124)	(125)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(126)	(127)	(128)	(129)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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)
	(130)	(131)	(132)	(133)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(134)	(135)	(136)	(137)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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)
	(138)	(139)	(140)	(141)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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	41	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(142)	(143)	(144)	(145)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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)
	(146)	(147)	(148)	(149)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(150)	(151)	(152)	(153)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	55	< 10	50	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)	< 0.1	< 0.1	< 0.1	< 0.1	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)
	(154)	(155)	(156)	(157)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(158)	(159)	(160)	(161)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	12	< 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)	< 0.1	< 0.1	< 0.1	< 0.1	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)
	(162)	(163)	(164)	(165)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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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Tests Conducted

Element	Result (mg/kg)				Limit (mg/kg)
	(166)	(167)	(168)	(169)	
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)	< 0.1	< 0.1	< 0.1	< 0.1	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, test results of Chromium (III) & Chromium (VI) and Organic tin were derived from migration results of total chromium and tin respectively.
- As per EC decision 2013/492/EU of 7 October 2013 and in accordance with the Court's Order of 15 May 2013 in case T-198/12R , the European Commission authorizes that the national provisions notified by the Federal Republic of Germany concerning limit values for Antimony (Sb) (60mg/kg), Arsenic (As) (25 mg/kg), Mercury (Hg) (60 mg/kg), Barium (Ba) (1000 mg/kg) and Lead (Pb) (90 mg/kg) in toys be maintained beyond 20 July 2013.
- # = 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 #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).



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Tested Components :

- (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).
- (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).



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Tested Components :

- (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).
- (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).





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Tested Components :

- (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).
- (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).



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Tested Components :

- (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 dress 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).
- (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.





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(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 : Nov 19, 2013 and Dec 16, 2013

Testing period : Nov 19, 2013 to Dec 10, 2013 and Dec 16, 2013 to Dec 20, 2013





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5 Cadmium (Cd) Content

As per Cadmium content requirement in Commission Regulation (EU) No. 835/2012 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
(6/7/8)	ND
(9/10/11)	ND
(12/13/14)	ND
(15/16)	ND
(17/18/19)	ND
(20/21/22)	ND
(23/24/25)	ND
(26/27/29)	ND
(29)	ND
(30/31)	ND
(32/33/34)	ND
(35/36/37)	ND
(38/39/40)	ND
(41/42/43)	ND
(44/45/46)	ND
(47/48)	ND
(49/50)	ND
(51/52/53)	ND
(54/55)	ND
(56/57)	ND
(58)	ND
(59/60/61)	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%)



Test Report

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Tests Conducted

Tested Components :

- (1) Coatings on plastic (all style).
- (2) Coatings on fabric (all style).
- (3) Coatings on metal (all style).
- (4) Shiny black plastic (zipper teeth of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1043X2, #A1081X4, #A1397XX, #A1344XX, #A1388X1, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (5) Transparent plastic sheet backed with non-woven fabric (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).
- (6) Shiny purple plastic (zipper teeth of #A1613XX).
- (7) Shiny pink plastic (zipper teeth of #A1386X2, #A1101X1, #A1510XX).
- (8) Shiny light blue plastic (zipper teeth of #A1089X1).
- (9) Shiny dark blue plastic (zipper teeth of #A1433X1, #A1632XX).
- (10) Shiny green plastic (zipper teeth of #A1289X7).
- (11) Shiny deep red plastic (zipper teeth of #A1079X3, #A1100X1).
- (12) Shiny yellow plastic (zipper teeth of #A1305X1, #A1354XX).
- (13) Shiny light green plastic (zipper teeth of #A1585XX).
- (14) Shiny red plastic (zipper teeth of #A1204X1, #A1276X8).
- (15) Shiny orange plastic (zipper teeth of #A1513XX).
- (16) Shiny dark green plastic (zipper teeth of #A1043X2, #A1081X4, #A1652XX).
- (17) Transparent plastic sheet (pocket of #A1591XX, #A1645XX, #A1613XX, #A1471XX, #A1565XX, #A1435XX, #A1261X7).
- (18) Pink elastic band (band of pocket of #A1591XX).
- (19) Blue plastic (car body of #A1645XX, #A1397XX).
- (20) Black elastic band (band of pocket of #A1509XX).
- (21) Yellow elastic band (band of pocket of #A1261X7).
- (22) Flesh color plastic (body of doll of #A1386X2, #A1101X1).
- (23) Black plastic (wheels of car of #1645XX, #A1639X1, #A1397XX, #A1632XX, #A1276X8 #A1204X1, #A1261X7).
- (24) Transparent purple plastic (windshield of car of #A1591XX, #A1397XX).
- (25) Off white plastic excluding silver color vacuum plated coating (chassis of car of #A1639X1).
- (26) Pale flesh color plastic (head of doll of #A1386X2, #A1101X1).
- (27) Shiny flesh color plastic (arms and legs of doll of #A1386X2, #A1101X1).
- (28) Shiny light beige plastic sheet (hair of doll of #A1386X2, #A1101X1).
- (29) Transparent red plastic (windshield of car of #A1639X1).
- (30) Transparent elastic band (hair band of #A1386X2, #A1101X1, band of horse of #A1089X1, band of girls of #NO.39).
- (31) Pearlized sheen plastic sheet with fabric backing (dress of doll of #A1386X2, #A1101X1).
- (32) Light black plastic (buckle of #A1386X2, #A1564XX, #A1289X7, #A1276X8).
- (33) Pink plastic (horse of #A1089X1).
- (34) Blue plastic sheet (hair of horse of #A1089X1).
- (35) Yellow plastic sheet (hair of horse of #A1089X1).
- (36) Silver color plastic sheet (strap of deep pink dress of doll of #A1101X1).
- (37) Dull yellow plastic (Triceratops of #A1043X2).
- (38) Dull pale green plastic (dinosaur of #A1043X2).
- (39) Dull beige plastic (alamosaurus of #A1081X4).
- (40) Dull red plastic (red triceratops of #A1081X4).



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Tested Components :

- (41) Grey plastic (megalosaurus of #A1289X7).
- (42) Shiny white plastic excluding coatings (worker and car of #A1079X3, #A1100X1).
- (43) Grey plastic (ladder of car of #A1041X3).
- (44) Dull black plastic (chassis of car of #A1041X3, #A1204X1, #A1261X7, #A1276X8).
- (45) Transparent plastic (windshield of car of #A1041X3).
- (46) Transparent brown plastic (windshield of yellow car of #A1261X7).
- (47) Deep grey plastic (chassis of yellow car of #A1261X7).
- (48) Shiny black plastic (windshield of red car of #A1261X7, #A1276X8).
- (49) Transparent plastic (velcro of clothes of #NO.39).
- (50) Shiny pale beige plastic sheet (hair of shiny pale beige hair girl of #NO.39).
- (51) Shiny pale gold color plastic sheet (hair of shiny pale gold color hair girl of #NO.39).
- (52) Brown color plastic sheet (hair of brown hair girl of #NO.39).
- (53) Pale brown plastic (head of girls of #NO.39).
- (54) Pale flesh color plastic (body of girls of #NO.39).
- (55) Pale light flesh color plastic (arms and legs of girls of #NO.39).
- (56) Dull pink plastic (shoes of girls of #NO.39).
- (57) Dull brown plastic (shoes of girls of #NO.39).
- (58) White woven with multi-color printing and multi-color lurex inserted (binding of deep pink dress of doll of #A1101X1).
- (59) Orange plastic (inner seat of car of #A1645XX, #A1397XX) (internal).
- (60) White plastic (inner seat of car of #A1639X1) (internal).
- (61) Off white foam (inner playmat of #A1089X1, #A1101X1, #A1435XX, #A1043X2, #A1289X7, #A1079X3, #A1100X1, #A1354XX, #A1041X3, #A1204X1, #A1276X8, #A1510XX, #A1511XX, #A1512XX, #A1513XX, #A1651XX, #A1652XX) (internal).

Date sample received : Nov 19, 2013

Testing period : Nov 19, 2013 to Dec 10, 2013



Test Report

Number: HKGH01577242

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>(1)</u>	<u>(2)</u>	<u>(3)</u>	<u>(max.)</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)</u>	<u>(15/16/17)</u>	<u>(18)</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



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	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(19/20)</u>	<u>(21/22/23)</u>	<u>(24/25/26)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	0.02	<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	0.02	<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>(27/28/29)</u>	<u>(30/31/32)</u>	<u>(33)</u>	<u>(max.)</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>(34/35)</u>	<u>(36)</u>	<u>(37)</u>	<u>(/38)</u>	<u>(39/40/41)</u>	<u>(max.)</u>
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	<0.01	<0.01	<0.01	<0.01	<0.01	0.1
Di-iso-nonyl phthalate (DINP)	<0.01	<0.01	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	<0.01	<0.01	--
Di-iso-decyl phthalate (DIDP)	<0.01	<0.01	<0.01	<0.01	<0.01	--
Sum of DINP,DnOP & DIDP	<0.01	<0.01	<0.01	<0.01	<0.01	0.1

	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(42/43/44)</u>	<u>(45/46/47)</u>	<u>(48/49/50)</u>	<u>(max.)</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



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	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(51/52/53)</u>	<u>(54)</u>	<u>(55/56/57)</u>	<u>(max.)</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>(58/59)</u>	<u>(60/61)</u>	<u>(62/63)</u>	<u>(max.)</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>(64/65)</u>	<u>(66/67)</u>	<u>(68/69)</u>	<u>(max.)</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>(70/71)</u>	<u>(72/73)</u>	<u>(74/75)</u>	<u>(max.)</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



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	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u>
	<u>(76/77)</u>	<u>(78/79)</u>	<u>(80/81/82)</u>	<u>(max.)</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>(83/84/85)</u>	<u>(86/87/88)</u>	<u>(89/90/91)</u>	<u>(max.)</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>(92/93/94)</u>	<u>(95/96/97)</u>	<u>(98/99/100)</u>	<u>(max.)</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>(101/102/103)</u>	<u>(104/105/106)</u>	<u>(107/108/109)</u>	<u>(max.)</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



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Tests Conducted

	<u>Result (% w/w)</u>			<u>Limit (% w/w)</u> <u>(max.)</u>
	<u>(110/111/112)</u>	<u>(113/114/115)</u>	<u>(116/117/118)</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>(119)</u>	<u>(120)</u>	<u>(121)</u>	
Dibutyl phthalate (DBP)	<0.01	<0.01	0.03	--
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	0.03	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>(122)</u>	<u>(123)</u>	<u>(124/125/126)</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>(127/128/129)</u>	<u>(130)</u>	<u>(131)</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	--
Di-n-octyl phthalate (DnOP)	--	--	<0.01	--
Di-iso-decyl phthalate (DIDP)	--	--	<0.01	--
Sum of DINP,DnOP & DIDP	--	--	<0.01	0.1



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	<u>Result (% w/w)</u>		<u>Limit (% w/w)</u> <u>(max.)</u>
	(132)	(133)	
Dibutyl phthalate (DBP)	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	0.02	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	--
Sum of DBP,DEHP & BBP	0.02	<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

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 on plastic (#A1079X3, #A1100X1).
- (2) Coatings on fabric (all style).
- (3) Coatings on metal (all style).
- (4) Shiny black plastic (zipper teeth of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1081X4, #A1397XX, #A1344XX, #A1388X1, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (5) Shiny purple plastic (zipper teeth of #A1613XX).
- (6) Shiny pink plastic (zipper teeth of #A1386X2, #A1101X1, #A1510XX).
- (7) Shiny light blue plastic (zipper teeth of #A1089X1).
- (8) Shiny dark blue plastic (zipper teeth of #A1433X1, #A1632XX).
- (9) Shiny green plastic (zipper teeth of #A1289X7).
- (10) Shiny deep red plastic (zipper teeth of #A1079X3, #A1100X1).
- (11) Shiny yellow plastic (zipper teeth of #A1305X1, #A1354XX).
- (12) Shiny light green plastic (zipper teeth of #A1585XX).
- (13) Shiny red plastic (zipper teeth of #A1204X1, #A1276X8).
- (14) Shiny orange plastic (zipper teeth of #A1513XX).
- (15) Shiny dark green plastic (zipper teeth of #A1043X2, #A1081X4, #A1652XX).
- (16) Blue plastic (car body of #A1645XX, #A1397XX).
- (17) Black plastic (wheels of car of #A1645XX, #A1639X1, #A1397XX, #A1632XX, #A1276X8, #A1204X1, #A1261X7).
- (18) 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).
- (19) Transparent plastic sheet (pocket of #A1591XX, #A1645XX, #A1613XX, #A1471XX, #A1565XX, #A1435XX, #A1261X7).
- (20) Pink elastic band (band of pocket of #A1591XX).
- (21) Black elastic band (band of pocket of #A1509XX).
- (22) Yellow elastic band (band of pocket of #A1261X7).
- (23) Pale flesh color plastic (head of doll of #A1386X2, #A1101X1).
- (24) Transparent purple plastic (windshield of car of #A1591XX, #A1397XX).



Test Report

Number: HKGH01577242

Tests Conducted

Tested Components :

- (25) Off white plastic excluding silver color vacuum plated coating (chassis of car of #A1639X1).
- (26) Flesh color plastic (body of doll of #A1386X2, #A1101X1).
- (27) Shiny flesh color plastic (arms and legs of doll of #A1386X2, #A1101X1).
- (28) Shiny light beige plastic sheet (hair of doll of #A1386X2, #A1101X1).
- (29) Transparent elastic band (hair band of #A1386X2, #A1101X1, band of horse of #A1089X1, band of girls of #NO.39).
- (30) Transparent red plastic (windshield of car of #A1639X1).
- (31) Light black plastic (buckle of #A1386X2, #A1564XX, #A1289X7, #A1276X8).
- (32) Pink plastic (horse of #A1089X1).
- (33) Pearlized sheen plastic sheet with fabric backing (dress of doll of #A1386X2, #A1101X1).
- (34) Blue plastic sheet (hair of horse of #A1089X1).
- (35) Yellow plastic sheet (hair of horse of #A1089X1).
- (36) Silver color plastic sheet (strap of deep pink dress of doll of #A1101X1).
- (37) Dull yellow plastic (Triceratops of #A1043X2).
- (38) Dull pale green plastic (dinosaur of #A1043X2).
- (39) Dull beige plastic (alamosaurus of #A1081X4).
- (40) Dull red plastic (red triceratops of #A1081X4).
- (41) Grey plastic (megalosaurus of #A1289X7).
- (42) Shiny white plastic excluding coatings (worker and car of #A1079X3, #A1100X1).
- (43) Transparent plastic (velcro of clothes of #NO.39).
- (44) Shiny pale beige plastic sheet (hair of shiny pale beige hair girl of #NO.39).
- (45) Grey plastic (ladder of car of #A1041X3).
- (46) Dull black plastic (chassis of car of #A1041X3, #A1204X1, #A1261X7, #A1276X8).
- (47) Transparent plastic (windshield of car of #A1041X3).
- (48) Transparent brown plastic (windshield of yellow car of #A1261X7).
- (49) Deep grey plastic (chassis of yellow car of #A1261X7).
- (50) Shiny black plastic (windshield of red car of #A1261X7, #A1276X8).
- (51) Shiny pale gold color plastic sheet (hair of shiny pale gold color hair girl of #NO.39).
- (52) Brown color plastic sheet (hair of brown hair girl of #NO.39).
- (53) Pale brown plastic (head of girls of #NO.39).
- (54) Pale flesh color plastic (body of girls of #NO.39).
- (55) Pale light flesh color plastic (arms and legs of girls of #NO.39).
- (56) Dull pink plastic (shoes of girls of #NO.39).
- (57) Dull brown plastic (shoes of girls of #NO.39).
- (58) 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).
- (59) Black string (strap of zipper of #A1465XX, #A1639X1, #A1435XX, #A1397XX, #A1509XX, #A1041X3, #A1511XX, #A1512XX, #A1651XX).
- (60) Pink non-woven fabric with pink thread (handle and binding of playmat of #A1386X2, #A1101X1, #A1510XX).
- (61) Pale blue string (strap of zipper of #A1089X1).
- (62) Pale blue non-woven fabric with pale blue thread (handle and binding of playmat of #A1089X1).
- (63) Pink string (strap of zipper of #A1101X1, #A1510XX).
- (64) Dark blue non-woven fabric with dark blue thread (handle and binding of playmat of #A1433X1, #A1632XX).
- (65) Dark blue string (strap of zipper of #A1433X1).
- (66) Dark green non-woven fabric with dark green thread (handle and binding of playmat of #A1043X2, #A1081X4, #A1652XX).



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Tests Conducted

Tested Components :

- (67) Dark green string (strap of zipper of #A1043X2, #A1081X4, #A1652XX).
- (68) Deep red non-woven fabric with deep red thread (handle and binding of playmat of #A1079X3, #A1100X1).
- (69) Deep red string (strap of zipper of #A1079X3, #A1100X1).
- (70) Yellow non-woven fabric with yellow thread (handle and binding of playmat of #A1305X1, #A1354XX, #A1344XX).
- (71) Yellow string (strap of zipper of #A1305X1, #A1354XX, #A1261X7).
- (72) Red non-woven fabric with red thread (playmat of #A1344XX, #A1585XX, #A1204X1, #A1276X8).
- (73) Light green string (strap of zipper of #A1585XX).
- (74) Blue non-woven fabric with blue thread (playmat of #A1344XX, #A1585XX).
- (75) Orange string (strap of zipper of #A1513XX).
- (76) Light green non-woven fabric with light green thread (playmat of #A1585XX).
- (77) Red string (strap of zipper of #A1204X1).
- (78) Orange non-woven fabric with orange thread (binding and handle of playmat of #A1513XX).
- (79) Black fabric (zipper tape of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1397XX, #A1344XX, #A1388X1, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (80) Pink fabric (zipper tape of #A1386X2, #A1101X1, #A1510XX).
- (81) Pale blue fabric (zipper tape of #A1089X1).
- (82) Dark blue fabric (zipper tape of #A1433X1, #A1632XX).
- (83) Hot purple fabric (zipper tape of #A1613XX).
- (84) Dark green fabric (zipper tape of #A1043X2, #A1081X4, #A1652XX).
- (85) Green fabric (zipper tape of #A1289X7).
- (86) Deep red fabric (zipper tape of #A1079X3, #A1100X1).
- (87) Yellow fabric (zipper tape of #A1305X1, #A1354XX).
- (88) Red fabric (zipper tape of #A1276X8, #A1204X1).
- (89) Orange fabric (zipper tape of #A1513XX).
- (90) Shiny black ribbon (bow of #A1591XX).
- (91) Shiny black fabric (strap of #A1591XX).
- (92) Shiny pink satin (binding of #A1591XX).
- (93) Black fabric (connector of #A1639X1, #A1471XX, #A1261X7).
- (94) Hot purple satin (strap and binding of #A1613XX, dress of #A1101X1).
- (95) Black velcro (velcro of #A1639X1, #A1435XX, #A1564XX, #A1509XX, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (96) White velcro (velcro of dresses of #A1386X2, #A1101X1, clothes of #NO.39).
- (97) Pink velcro (velcro of playmat of #A1386X2, #A1510XX).
- (98) Dark blue velcro (velcro of playmat of #A1433X1).
- (99) Light blue velcro (velcro of playmat of #A1081X4).
- (100) Red velcro (velcro of playmat of #A1079X3, #A1100X1).
- (101) Yellow velcro (velcro of playmat of #A1305X1).
- (102) Orange velcro (velcro of playmat of #A1513XX).
- (103) Dark green velcro (velcro of playmat of #A1652XX).
- (104) Pale pink satin (dress of doll of #A1386X2, #A1101X1).
- (105) Black mesh (pocket of #A1509XX).
- (106) Pink felt (ears of #A1510XX).
- (107) Black felt (ears of #A1511XX, #A1651XX).
- (108) Off white felt (ears of #A1512XX).
- (109) Orange felt (ears of #A1513XX).
- (110) Yellow felt (crown of #A1652XX).
- (111) Light aqua knit (clothes of shiny pale beige hair girl of #NO.39).



Test Report

Number: HKGH01577242

Tests Conducted

Tested Components :

- (112) Purple knit (jeans of shiny pale beige hair girl of #NO.39).
- (113) Deep red knit (clothes of shiny pale gold hair girl of #NO.39).
- (114) Dull flesh color knit (jeans of shiny pale gold hair girl of #NO.39).
- (115) Dull pink knit (clothes of brown hair girl of #NO.39).
- (116) Dull blue knit (jeans of brown hair girl of #NO.39).
- (117) 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).
- (118) Light green fabric (zipper tape of #A1585XX).
- (119) 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).
- (120) White woven with deep blue / red / yellow / black thread stitching (sewn-in label of #A1433X1).
- (121) White woven with deep green / red / yellow / black thread stitching (sewn-in label of #A1471XX, #A1565XX, #A1435XX).
- (122) Blue woven with orange thread stitching (sewn-in label of #A1564XX).
- (123) White woven with multi-color printing and multi-color lurex inserted (binding of deep pink dress of doll of #A1101X1).
- (124) Black webbing (handle of #A1471XX, #A1261X7).
- (125) Green webbing (binding of #A1289X7).
- (126) Deep green webbing (strap of #A1289X7).
- (127) Orange plastic (inner seat of car of #A1645XX, #A1397XX) (internal).
- (128) White plastic (inner seat of car of #A1639X1) (internal).
- (129) Off white foam (inner playmat of #A1089X1, #A1101X1, #A1435XX, #A1043X2, #A1289X7, #A1079X3, #A1100X1, #A1354XX, #A1041X3, #A1204X1, #A1276X8, #A1510XX, #A1511XX, #A1512XX, #A1513XX, #A1651XX, #A1652XX) (internal).
- (130) Grey paper board (inner board of #A1465XX, #A1591XX, #A1645XX, #A1639x1, #A1613XX, #A1386x2, #A1089X1, #A1101X1, #A1433X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1043x2, #A1081X4, #A1397XX, #A1079X3, #A1100X1, #A1305X1, #A1344XX, #A1354XX, #A1388X1, #A1509XX, #A1632XX, #A1041X3, #A1585XX, #A1204x1, #A1261X7) (internal).
- (131) Coatings on plastic (#A1081X4).
- (132) Coatings on plastic (#A1289X7, #A1043X2).
- (133) Coatings on plastic (#A1041X3, #A1639AX1, #A1397XX, #A1645XX, #A1204X1, #A1386X2, #A1101X1, #A1089X1, #1261X7, #1276X8)

Date sample received : Nov 19, 2013 and Dec 10, 2013

Testing period : Nov 19, 2013 to Nov 25, 2013 and Dec 10, 2013 to Dec 12, 2013



Test Report

Number: HKGH01577242

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



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Tests Conducted

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(6/29)</u>	<u>(9/10/11)</u>	<u>(12/13/15)</u>	<u>(14)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(16/17/18)</u>	<u>(19/20/21)</u>	<u>(22/23/24)</u>	<u>(25/26/27)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N



Test Report

Number: HKGH01577242

Tests Conducted

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(28/44/46)</u>	<u>(30/31/32)</u>	<u>(33/34/35)</u>	<u>(36/37/38)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(39/40/41)</u>	<u>(42/45/60)</u>	<u>(43)</u>	<u>(47/48/49)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N



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British Standards Institute

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

Test Report

Number: HKGH01577242

Tests Conducted

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(50/51/52)</u>	<u>(53/54/55)</u>	<u>(56/57/58)</u>	<u>(61/62/63)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(64/65/66)</u>	<u>(67/69/70)</u>	<u>(68)</u>	<u>(71)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N



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	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(72/73/75)</u>	<u>(74)</u>	<u>(76)</u>	<u>(77)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	N	N	N	N

	<u>Forbidden Amine</u>	<u>CAS No.</u>	<u>Result</u>			
			<u>(78)</u>	<u>(79/84)</u>	<u>(80)</u>	<u>(81/82/83)</u>
1.	4-Aminodiphenyl	92-67-1	N	N	N	N
2.	Benzidine	92-87-5	N	N	N	N
3.	4-Chloro-o-toluidine	95-69-2	N	N	N	N
4.	2-Naphthylamine	91-59-8	N	N	N	N
5.	o-Aminoazotoluene	97-56-3	N	N	N	N
6.	2-Amino-4-nitrotoluene	99-55-8	N	N	N	N
7.	p-Chloroaniline	106-47-8	N	N	N	N
8.	2,4-Diaminoanisole	615-05-4	N	N	N	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N	N	N	N
10.	3,3'-Dichlorobenzidine	91-94-1	N	N	N	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N	N	N	N
12.	3,3'-Dimethylbenzidine	119-93-7	N	N	N	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N	N	N	N
14.	p-Cresidine	120-71-8	N	N	N	N
15.	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	N	N	N	N
16.	4,4'-Oxydianiline	101-80-4	N	N	N	N
17.	4,4'-Thiodianiline	139-65-1	N	N	N	N
18.	o-Toluidine	95-53-4	N	N	N	N
19.	2,4-Toluylenediamine	95-80-7	N	N	N	N
20.	2,4,5-Trimethylaniline	137-17-7	N	N	N	N
21.	o-Anisidine	90-04-0	N	N	N	N
22.	p-Aminoazobenzene	60-09-3	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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Tests Conducted

Tested components :

- (1) White woven with black printing (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) Transparent synthetic sheet backed with non-woven fabric (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).
- (3) Pink elastic band (band of pocket of #A1591XX).
- (4) Black elastic band (band of pocket of #A1509XX).
- (5) Yellow elastic band (band of pocket of #A1261X7).
- (6) White fabric backed with pearlized sheen synthetic sheet (dress of doll of #A1386X2, #A1101X1).
- (7) Black non-woven fabric (handle and binding of playmat of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1397XX, #A1344XX, #A1388X1, #A1509XX, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (8) Pink non-woven fabric (handle and binding of playmat of #A1386X2, #A1101X1, #A1510XX).
- (9) Pale blue non-woven fabric (handle and binding of playmat of #A1089X1).
- (10) Dark blue non-woven fabric (handle and binding of playmat of #A1433X1, #A1632XX).
- (11) Dark green non-woven fabric (handle and binding of playmat of #A1043X2, #A1081X4, #A1652XX).
- (12) Deep red non-woven fabric (handle and binding of playmat of #A1079X3, #A1100X1).
- (13) Yellow non-woven fabric (handle and binding of playmat of #A1305X1, #A1354XX, #A1344XX).
- (14) Shiny black / shiny red / shiny yellow / shiny white coated yellow non-woven fabric (playmat of #A1344XX).
- (15) Red non-woven fabric (playmat of #A1344XX, #A1585XX, #A1204X1, #A1276X8).
- (16) Blue non-woven fabric (playmat of #A1344XX, #A1585XX).
- (17) Light green non-woven fabric (playmat of #A1585XX).
- (18) Orange non-woven fabric (binding and handle of playmat of #A1513XX).
- (19) Black string (strap of zipper of #A1465XX, #A1639X1, #A1435XX, #A1397XX, #A1509XX, #A1041X3, #A1511XX, #A1512XX, #A1651XX).
- (20) Pale blue string (strap of zipper of #A1089X1).
- (21) Pink string (strap of zipper of #A1101X1, #A1510XX).
- (22) Dark blue string (strap of zipper of #A1433X1).
- (23) Dark green string (strap of zipper of #A1043X2, #A1081X4, #A1652XX).
- (24) Deep red string (strap of zipper of #A1079X3, #A1100X1).
- (25) Yellow string (strap of zipper of #A1305X1, #A1354XX, #A1261X7).
- (26) Light green string (strap of zipper of #A1585XX).
- (27) Red string (strap of zipper of #A1204X1).
- (28) Orange string (strap of zipper of #A1513XX).
- (29) Black fabric (zipper tape of #A1465XX, #A1645XX, #A1639X1, #A1471XX, #A1565XX, #A1435XX, #A1564XX, #A1397XX, #A1344XX, #A1388X1, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (30) Pink fabric (zipper tape of #A1386X2, #A1101X1, #A1510XX).
- (31) Pale blue fabric (zipper tape of #A1089X1).
- (32) Dark blue fabric (zipper tape of #A1433X1, #A1632XX).
- (33) Hot purple fabric (zipper tape of #A1613XX).
- (34) Dark green fabric (zipper tape of #A1043X2, #A1081X4, #A1652XX).
- (35) Green fabric (zipper tape of #A1289X7).



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Tested Components :

- (36) Deep red fabric (zipper tape of #A1079X3, #A1100X1).
- (37) Yellow fabric (zipper tape of #A1305X1, #A1354XX).
- (38) Red fabric (zipper tape of #A1276X8, #A1204X1).
- (39) Orange fabric (zipper tape of #A1513XX).
- (40) Shiny black ribbon (bow of #A1591XX).
- (41) Shiny black fabric (strap of #A1591XX).
- (42) Shiny pink satin (binding and playmat of #A1591XX).
- (43) White coated shiny pink satin (binding and playmat of #A1591XX).
- (44) Black fabric (connector of #A1639X1, #A1471XX, #A1261X7).
- (45) Hot purple satin (strap and binding of #A1613XX, dress of #A1101X1).
- (46) Black velcro hook (velcro of #A1639X1, #A1435XX, #A1564XX, #A1509XX, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (47) Black velcro loop (velcro of #A1639X1, #A1435XX, #A1564XX, #A1509XX, #A1041X3, #A1261X7, #A1511XX, #A1512XX, #A1651XX).
- (48) Pink velcro hook (velcro of playmat of #A1386X2, #A1510XX).
- (49) Pink velcro loop (velcro of playmat of #A1386X2, #A1510XX).
- (50) Dark blue velcro hook (velcro of playmat of #A1433X1).
- (51) Dark blue velcro loop (velcro of playmat of #A1433X1).
- (52) Light blue velcro hook (velcro of playmat of #A1081X4).
- (53) Light blue velcro loop (velcro of playmat of #A1081X4).
- (54) Red velcro hook (velcro of playmat of #A1079X3, #A1100X1).
- (55) Red velcro loop (velcro of playmat of #A1079X3, #A1100X1).
- (56) Yellow velcro hook (velcro of playmat of #A1305X1).
- (57) Yellow velcro loop (velcro of playmat of #A1305X1).
- (58) Orange velcro loop (velcro of playmat of #A1513XX).
- (59) Dark green velcro loop (velcro of playmat of #A1652XX).
- (60) Pale pink satin (dress of doll of #A1386X2, #A1101X1).
- (61) Black mesh (pocket of #A1509XX).
- (62) Pink felt (ears of #A1510XX).
- (63) Black felt (ears of #A1511XX, #A1651XX).
- (64) Off white felt (ears of #A1512XX).
- (65) Orange felt (ears of #A1513XX).
- (66) Yellow felt (crown of #A1652XX).
- (67) Light aqua knit (clothes of #T1181 Emma).
- (68) Dull blue / dull pale blue coated light aqua knit (clothes of #T1181 Emma).
- (69) Purple knit (jeans of #T1181 Emma).
- (70) Deep red knit (clothes of #T1183 Sophie).
- (71) Dull yellow coated deep red knit (clothes of #T1183 Sophie).
- (72) Dull flesh color knit (jeans of #T1183 Sophie).
- (73) Dull pink knit (clothes of #T1182 Haley).
- (74) Dull orange / dull light green coated dull pink knit (clothes of #T1182 Haley).
- (75) Dull blue knit (jeans of #T1182 Haley).
- (76) 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).
- (77) White woven with deep blue / red / yellow / black thread stitching (sewn-in label of #A1433X1).
- (78) White woven with deep green / red / yellow / black thread stitching (sewn-in label of #A1471XX, #A1565XX, #A1435XX).
- (79) Blue woven with orange thread stitching (sewn-in label of #A1564XX).





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Tests Conducted

Tested Components :

- (80) White woven with multi-color printing and multi-color lurex inserted (binding of deep pink dress of doll of #A1101X1).
- (81) Black webbing (handle of #A1471XX, #A1261X7).
- (82) Green webbing (binding of #A1289X7).
- (83) Deep green webbing (strap of #A1289X7).
- (84) Light green fabric (zipper tape of #A1585XX).

Date sample received : Nov 19, 2013

Testing period : Nov 19, 2013 to Dec 04, 2013

End of report

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