

Hong Kong Government Recognized Service Supplier Approved Laboratory of The Woolmark Company

Members of :

Item No.

American National Standards Institute American Society for Testing and Materials British Standards Institute Hong Kong Association for Testing, Inspection and Certification Limited

Hong Kong Toys Council

Test Report

Number: HKGH0193587302

Apr 07, 2016

Applicant: NEAT-OH! INTERNATIONAL, LLC

790 FRONTAGE ROAD SUITÉ 303

NORTHFIELD IL 60093

USA

Attn: WAYNE H ROTHSCHILD / ALEX YIU

Submitted sample said to be

Item Name : (1) Neat-Oh!® BarbieTH ZipBin® 40 Doll Dream House Toy Box &

Playmat

(2) ZipBin® 160 Dinosaur Collector Toy Box & Playset w/2

Date:

Dinosuars (1) A1465XX (2) A1081X4

Quantity : 12 pieces Labelled Age Group : "3+"

Labelled Age Group : "3+"
Packaging Provided : Yes
Country of Origin : China





For and on behalf of:

Intertek Testing Services HK Ltd.

Angel Y.F. Cheung Vice President

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Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details:

(1)	Requirement EN71-1: 2014 - Mechanical and Physical Properties	Result Pass
(2)	EN71-2 : 2011 + A1 : 2014 - Flammability Test	Pass
(3)	EN71-3 : 2013 + A1:2014 - Migration of certain elements	Pass
(4)	REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement	Pass
(5)	REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52 & amendment no. 552/2009 - Phthalates content	Pass
(6) ****	REACH Regulation (EC) no. 1907/2006, Annex XVII Item 43 & amendment no. 552/2009 and 126/2013 (formerly known as Directive 2002/61/EC) - Azocolourants content requirement	Pass



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Number: HKGH0193587302 **Test Report**

Physical and Mechanical Tests (1)

Test Standard : European Standard on Safety of Toys EN71-1:2014

Age group for testing : For Ages Over 3 Years

Clause	Requirement	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness	Р
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	Р
4.8	Points and Metallic wires	Р
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 into mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using	NA
	percussion caps	
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 toys intended for children under 36 months	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
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



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Clause	Requirement	Assessment
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	Р
7.2	Toys not intended for children under 36 months	Р
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, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or 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

P = Pass Abbreviation: NA = Not Applicable

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

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

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present
Importer's name	Present	Present
Importer's address	Present	Present
Product identification code	Present	Present
CE-marking	Present	Present

Date sample received: Mar 24, 2016 Test Period: Mar 24, 2016 to Mar 30, 2016

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HKGH0193587302 **Test Report** Number:

(2) Flammability Test

Test Standard : European Standard on Safety of Toys EN71-2 : 2011 + A1 : 2014

<u>Clause</u>	Requirement	Assessment
4.1	General	Р
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

P = Pass NA = Not Applicable Abbreviation:

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19 Toxic Element Migration Test (3)

Test Standard : EN71-3:2013 + A1:2014

Category (III): Scraped-off toy material:

Category (III): Scraped-oil toy materi	ar.			
	Result (mg/kg)			Limit
	(1)	(2)	(6)	(mg/kg)
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)		Limit	
	(7)	(8)	(9)	(mg/kg)
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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	Result (mg/kg)		Limit	
	(10)	(11)	(12)	(mg/kg)
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

	Result (mg/kg)		Limit	
	(13)	(14)	(15)	(mg/kg)
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

Intertek Testing Services Hong Kong Ltd. 2/F., Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong. Tel: (852) 2173 8888 Fax: (852) 2786 1903 Website: www.intertek.com



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	Result (mg/kg)		Limit
	(16)	(17)	(mg/kg)
Soluble Aluminium (Al)	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	560
Soluble Arsenic (As)	<10	<10	47
Soluble Barium (Ba)	<10	<10	18750
Soluble Boron (B)	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	130
Soluble Copper (Cu)	<10	<10	7700
Soluble Lead (Pb)	<10	<10	160
Soluble Manganese (Mn)	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	94
Soluble Nickel (Ni)	<10	<10	930
Soluble Selenium (Se)	<10	<10	460
Soluble Strontium (Sr)	<100	<100	56000
Soluble Tin (Sn)	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	46000

mg/kg = milligram per kilogram

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: Unless the test results were marked with "A" or "\(\Delta \), Chromium (III) & Chromium (VI) and ++ Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

Organic tin test result was expressed as tributyl tin.

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

Tested Components:

- (1)Coatings (black, white) on woven (sewn-in label).
- (2) Coatings (black, white, dark green, reddish brown) on plastic (body of seismosaurus, eyes, teeth, body of triceratops).
- Deep grey coating on plastic (beak of triceratops). (3) @
- (4) @Beige coating on plastic (horns of triceratops).
- (5) @Yellow coating on plastic (body of triceratops).
- (6)Beige plastic (body of seismosaurus).
- Reddish brown plastic (body of triceratops). (7)
- Translucent plastic sheet backed with white non-woven fabric and inaccessible printings (body (8)of box of all style).
- (9)White woven excluding (black, white) coatings (sewn-in label).
- (10)Red woven with yellow / black / white thread stitching (logo of dinosaur style).
- (11)Dark green non-woven fabric (edge of box, handle of dinosaur style).
- (12)Dark green string (zipper puller of dinosaur style).
- Dark green woven (zipper tape of dinosaur style). (13)
- Green velcro (loop/hook cover holder of dinosaur style). (14)
- (15)Black non-woven fabric (edge of box, handle of barbie style).
- Black string (zipper puller of barbie style). (16)
- (17)Black woven (zipper tape of barbie style).

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(4) Cadmium (Cd) Content

Test Method: Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.1
(2)	ND	0.1
(3/4)	ND	0.1
(5)	ND	0.1
(6/7)	ND	0.01
(8)	ND	0.01

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Coatings (black, white) on woven (sewn-in label).
- (2) Coatings (black, white, dark green, reddish brown) on plastic (body of seismosaurus, eyes, teeth, body of triceratops).
- (3) Deep grey coating on plastic (beak of triceratops).
- (4) Beige coating on plastic (horns of triceratops).
- (5) Yellow coating on plastic (body of triceratops).
- (6) Beige plastic (body of seismosaurus).
- (7) Reddish brown plastic (body of triceratops).
- (8) Translucent plastic sheet backed with white non-woven fabric and inaccessible printings (body of box of all style).

Date sample received: Mar 24, 2016 Test Period: Mar 24, 2016 to Apr 05, 2016

Test Period : Mar 24, 2016 to Apr 05, 2016



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(5)**Phthalate Content Test**

Test Method: EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Six Phthalate content:

Compounds	Result (%, w/w)			Limit (%,
	(1/2)	(3/4/5)	(6/7/8)	w/w)
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
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

Compounds	Result	Limit (%,	
	(9/10/11)	(12/13/14)	w/w)
Dibutyl phthalate (DBP)	<0.01	<0.01	
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	
Benzyl butyl phthalate (BBP)	<0.01	<0.01	
Sum of DBP,DEHP & BBP	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	
Diisodecyl phthalate (DIDP)	<0.01	<0.01	
Sum of DINP, DnOP & DIDP	<0.01	<0.01	0.1

Three Phthalate content:

Compounds	Result (%, w/w)	Limit (%,
	(15)	w/w)
Dibutyl phthalate (DBP)	<0.01	
Diethyl hexyl phthalate (DEHP)	<0.01	
Benzyl butyl phthalate (BBP)	<0.01	
Sum of DBP,DEHP & BBP	<0.01	0.1

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



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Tested Components:

- (1) Coatings (black, white) on woven (sewn-in label).
- (2) Coatings on plastic (body of seismosaurus, body of triceratops).
- (3) Beige plastic (body of seismosaurus).
- (4) Reddish brown plastic (body of triceratops).
- (5) Translucent plastic sheet backed with white non-woven fabric and inaccessible printings (body of box of all style).
- (6) White woven excluding (black, white) coatings (sewn-in label).
- (7) Red woven with yellow / black / white thread stitching (logo of dinosaur style).
- (8) Dark green non-woven fabric (edge of box, handle of dinosaur style).
- (9) Dark green string (zipper puller of dinosaur style).
- (10) Dark green woven (zipper tape of dinosaur style).
- (11) Green velcro (loop/hook cover holder of dinosaur style).
- (12) Black non-woven fabric (edge of box, handle of barbie style).
- (13) Black string (zipper puller of barbie style).
- (14) Black woven (zipper tape of barbie style).
- (15) Grey paper board (inner body of box of all style) (internal).

Date sample received: Mar 24, 2016 Test Period: Mar 24, 2016 to Apr 02, 2016

1651 Fe1100 . Mai 24, 2010 to Apr 02, 2010



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Detection Of Amines Derived From Azocolourants and Azodyes (6)

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

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

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

Remark: N = Not detected

Detection limit = 5 ppm
Requirement = 30 ppm (max.)
ppm = parts per million = mg/kg



Hong Kong Government Recognized Service Supplier Approved Laboratory of The Woolmark Company

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Hong Kong Toys Council

Number: HKGH0193587302 **Test Report**

Tested Components:

- White woven with (black, white) coatings (sewn-in label).
- Red woven with yellow / black / white thread stitching (logo of dinosaur style).
- Dark green non-woven fabric (edge of box, handle of dinosaur style). Dark green string (zipper puller of dinosaur style).
- Dark green woven (zipper tape of dinosaur style).
- (2) (3) (4) (5) (6) Green velcro (loop - cover holder of dinosaur style). Green velcro (hook - cover holder of dinosaur style).
- (8) Black non-woven fabric (edge of box, handle of barbie style).
- Black string (zipper puller of barbie style).
- Black woven (zipper tape of barbie style). (10)

Date sample received: Mar 24, 2016

Testing period: Mar 24, 2016 to Apr 06, 2016

End of report

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