

**Test Report**

Number: GZHH00368331S1

Applicant: MAY CHEONG TOY PRODUCTS FTY LTD  
UNIT 901-2, 9/F., EAST OCEAN CENTRE,  
98 GRANVILLE ROAD, TSIMSHATSUI EAST,  
KOWLOON, HONG KONG

Date: Jul 31, 2020

Attn: ICY HUANG

*This is to supersede Report No. GZHH00368331 dated Jun 29, 2020*

Sample Description:

Nineteen (19) styles of submitted sample said to be :

No.	Item	Description	Color
1	02105	3" Octa-blitzer	Red
2	08129	3" Off Road Warrior	Light Fat Green
3	09064	Fresh Eggs - 3" FM Rover	Yellow/Black
4	11061	3" Launcher Mini Playset	Red
5	14022	1:64 Ford Mustang GT	Red
6	15959	3" Mad Mini	Blue
7	15960	3" Beach Blaster	Yellow
8	17052	3" 2015 Chevrolet Colorado	Yellow
9	17097	3" Mini Cooper Countryman	Metallic Blue
10	19093	3" City Lorry	Blue
11	9053	Square Road Sign	Grey
12	09044/09046	3" Burnin' Key Cars Wild Whip	Flat Green
13	09060/09046	3" Burnin' Key Cars Stalkcar	Metallic White
14	09067/09046	3" Burnin' Key Cars Leadslinger	Purple
15	09068/09046	3" Burnin' Key Cars FM Rover	Flat Black
16	9894	Harvester	Red
17	12108	KC Dual Race Challenge set	Red/Blue
18	12109	Double Loop Challenge set	Red
19	17042	3" Elevator Playset	Orange/Grey/Blue

Labelled Age Group : "3+"  
Applicant Specified Age : Over 3 years  
Grading for Testing :  
Appropriate Age Grade : Over 3 years  
Packaging Provided by : Yes  
Applicant :  
Country of Origin : China

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Tests conducted:

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

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To be continued



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**Conclusion:**

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	EN71-1:2014+A1:2018 for mechanical and physical properties	Pass
	EN71-2 : 2011+A1:2014 Flammability test	Pass
Tested component(s) of submitted samples	EN 71-3:2019 on migration of certain elements and (EU) 2019/1922 amending 2009/48/EC (applies from 20 May 2021) for Aluminium migration	Pass
	Cadmium content requirement in REACH regulation Annex XVII Item 23 (EC) No 1907/2006 and amendment No. 552/2009, 494/2011, 835/2012 and 2016/217	Pass
	Phthalates Content Requirement in Annex XVII Entry 51 & 52 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/2005. [(EU) 2018/2005 is applicable to products including toys and childcare articles placed on the market after 7 July 2020]	Pass
	Polycyclic Aromatic Hydrocarbons (PAHs) Content Requirement In Annex XVII Item 50 of the REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 1272/2013 with effect from 27 December 2015	Pass
	<u>Test Item</u> Phthalates Content	See Test Conducted 6#

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# : This test in the report is not in the CNAS accredited testing scope.

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Approved:



Zhou Rui Bin  
Technical Assistant Manager

Approved:

Crystal Huang  
Technical Support Assistant Manager



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Tests Conducted

1 Physical and Mechanical Tests

As per European Standard on Safety of toys EN71-1:2014+A1:2018

Clause	Testing Items	Assessment
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	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
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
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



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Tests Conducted

Clause	Testing Items	Assessment
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
5.15	Sledges with cords for pulling	NA
6	Packaging	P
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	Projectile toys	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 teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Remark: P = Pass NA = Not Applicable

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

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Tests Conducted

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

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

- Manufacturer's name was on the packaging and toy.
- Manufacturer's address was on the packaging.
- Importer's name was on the packaging and toy.
- Importer's address was on the packaging.
- Product identification code was on the packaging.
- the CE-marking on the packaging was in a correct format.

Date sample received : Jun 16, 2020  
Testing period : Jun 16, 2020 to Jun 22, 2020

2 Flammability Test

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

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Remark: P = Pass NA = Not Applicable

Date sample received : Jun 16, 2020  
Testing period : Jun 16, 2020 to Jun 22, 2020

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Tests Conducted

3 19 Toxic Element Migration Test

(A) Test Result

As per EN 71-3:2019 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Ion Chromatography with UV-VIS.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(2)	(5)	(7)	(9)		
Aluminium (Al)	2538	2468	ND	1197	300	70000 / 28130 <sup>▲</sup>
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	12	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	9556	9255	172	8182	100	46000

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Tests Conducted

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(11)	(12)	(14)	(15)		
Aluminium (Al)	799	8108	1422	6798	300	70000 / 28130 <sup>▲</sup>
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) <sup>#</sup>	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin <sup>**</sup>	ND	ND	ND	ND	5	12
Zinc (Zn)	253	9238	8543	8806	100	46000

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(16)	(17)	(18)	(19)		
Aluminium (Al)	1994	2545	2914	3830	300	70000 / 28130 <sup>▲</sup>
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) <sup>#</sup>	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin <sup>**</sup>	ND	ND	ND	ND	5	12
Zinc (Zn)	9428	9609	9608	9144	100	46000

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Tests Conducted

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(20)	(21)	(22)	(23)		
Aluminium (Al)	2585	ND	1678	1556	300	70000 / 28130 <sup>▲</sup>
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) <sup>#</sup>	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin <sup>**</sup>	ND	ND	ND	ND	5	12
Zinc (Zn)	10132	359	8407	8898	100	46000

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(24)	(25)	(28)	(29)		
Aluminium (Al)	2614	ND	ND	ND	300	70000 / 28130 <sup>▲</sup>
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) <sup>#</sup>	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin <sup>**</sup>	ND	ND	ND	ND	5	12
Zinc (Zn)	9426	319	620	344	100	46000

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Tests Conducted

Element	Result (mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component			
	(26), (27), (30)to(50), (53)			
Aluminium (Al)	ND		300	70000 / 28130 <sup>▲</sup>
Antimony (Sb)	ND		10	560
Arsenic (As)	ND		10	47
Barium (Ba)	ND		10	18750
Boron (B)	ND		50	15000
Cadmium (Cd)	ND		5	17
Chromium (III) (Cr III) <sup>#</sup>	ND		10	460
Chromium (VI) (Cr VI)	ND		0.025	0.053
Cobalt (Co)	ND		10	130
Copper (Cu)	ND		10	7700
Lead (Pb)	ND		10	23
Manganese (Mn)	ND		10	15000
Mercury (Hg)	ND		10	94
Nickel (Ni)	ND		10	930
Selenium (Se)	ND		10	460
Strontium (Sr)	ND		100	56000
Tin (Sn)	ND		2.5	180000
Organic tin <sup>**</sup>	ND		5	12
Zinc (Zn)	ND		100	46000

Remark : mg/kg = milligram per kilogram  
 ++ = Unless the test results were marked with "Δ", Organic tin contents were not directly determined and were derived from migration results of total tin.  
 - Organic tin test result was expressed as tributyl tin.  
 ND = Not detected (less than reporting limit)  
 ▲ = The new Aluminium migration limit were quoted from Directive (EU) 2019/1922 amending Directive 2009/48/EC applicable from 20 May 2021.  
 # = The reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Tested component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(1) @	Bright silver color coating on plastic (engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064, fender of #08129).
SN2	(2)	Coatings (purple, silver color) on metal (body of #09067) (sample weight : 94.2mg).
SN3	(4) @	Red coating on plastic (taillight of #19093).
SN4	(5)	Coatings (dark blue, silver color, white, black) on metal (head of #19093) (sample weight : 89.8mg).

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Tests Conducted

Tested Components:

Sequence No.	Test Component No.	Test Component Description(s)
SN5	(7)	Green coating on plastic (bridge of wheel of #9894) (sample weight : 60.0mg).
SN6	(8) @	Red coating on plastic (roof of #9894).
SN7	(9)	Coatings (red, white, green) on metal (base of #9894) (sample weight : 59.8mg).
SN8	(11)	Coatings (bright silver color, red) on plastic (body of #02105) (sample weight : 47.2mg).
SN9	(12)	Silver color coating on metal (base of #02105)(sample weight : 22.4mg).
SN10	(14)	Coatings (yellow, orange, silver color, black, red, gold color) on metal (body of #17052)(sample weight : 71.4mg).
SN11	(15)	Coatings (bright green, yellow) on metal (body of #08129) (sample weight : 89.8mg).
SN12	(16)	Coatings (yellow, black, blue, white, red) on metal (body of #09064).
SN13	(17)	Coatings (red, black, silver color) on metal (body of #14022).
SN14	(18)	Coatings (black, light green) on metal (body of #09068) (sample weight : 87.9mg).
SN15	(19)	Coatings (metallic blue, black, silver color, red) on metal (body of #17097).
SN16	(20)	Coatings (army green, white, red, silver color) on metal (body of #09044).
SN17	(21)	Coatings (black, red, white) on plastic (pattern of #09046) (sample weight : 49.8mg).
SN18	(22)	Coatings (creamy, black, light green, light blue, red) on metal (body of #09060).
SN19	(23)	Coatings (yellow, black) on metal (body of #15960).
SN20	(24)	Coatings (blue, orange) on metal (body of #15959).
SN21	(25)	Coatings (white, black) on plastic (pattern of shark of #11061) (sample weight : 41.3mg).
SN22	(26)	Silver color plastic (deck of #19093, body of #09046).
SN23	(27)	Light grey plastic (body of #9053).
SN24	(28)	Black plastic excluding coating (engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064).
SN25	(29)	Black soft plastic (tire of #17052, #08129, #9894).
SN26	(30)	Black plastic (base of #17052, #08129, #9894, #15959, #15960, #09060, #09064, #14022, #19093, #17097, #09044, #09067).
SN27	(31)	Orange plastic (window, deck of #15960).
SN28	(32)	Green plastic (wheel of #09060).
SN29	(33)	Grass green plastic (window of #09068).
SN30	(34)	Red plastic (rail of #12109, #12108, #11061).
SN31	(35)	Yellow plastic (accessory of #12109, #12108, #11061).
SN32	(36)	Black soft plastic (foot pad of #12109).
SN33	(37)	Black plastic (accessory of #12109, #12108).
SN34	(38)	Dark blue plastic (accessory of #12109, #17042).
SN35	(39)	White plastic (accessory of #12109).

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Tests Conducted

Tested Components:

Sequence No.	Test Component No.	Test Component Description(s)
SN36	(40)	Brown plastic (accessory of #11061).
SN37	(41)	Off-white elastic band (strap of #11061).
SN38	(42)	Turquoise plastic (shark of #11061).
SN39	(43)	Blue plastic (accessory of #12108).
SN40	(44)	Dark red plastic (accessory of #12108).
SN41	(45)	Dark grey plastic (tank of #12108).
SN42	(46)	Light yellow plastic (accessory of #17042).
SN43	(47)	Orange plastic (accessory of #17042).
SN44	(48)	Grey plastic (accessory of #17042).
SN45	(49)	White adhesive paper with multicolor printings (sticker).
SN46	(50)	White adhesive paper with transparent plastic film and inaccessible coatings (sticker).
SN47	(53)	Blue plastic (fixture of #02105).

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

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

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

Category II: Liquid or sticky

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

Category III: Scraped-off

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

Date sample received: Jun 16, 2020

Testing period: Jun 16, 2020 to Jun 22, 2020

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Tests Conducted

4 Cadmium (Cd) Content

With reference to test method IEC 62321-5:2013, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (%)	Reporting Limit (%)
	Tested Component	
	(1/2), (4/5), (7/8), (9), (11), (12), (14)to(25), (26+27+28), (29+30+31), (32+33+34), (35+36+37), (38+39+40), (41+42+43), (44+45+46), (47+48+53), (49), (50)	
Cadmium (Cd)	ND	0.0005

Limit:

Category	Limit (%)
Wet paint	0.01
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

ND = Not detected (less than reporting limit)

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(1)	Bright silver color coating on plastic (engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064, fender of #08129).
SN2	(2)	Coatings (purple, silver color) on metal (body of #09067).
SN3	(4)	Red coating on plastic (taillight of #19093).
SN4	(5)	Coatings (dark blue, silver color, white, black) on metal (head of #19093).
SN5	(7)	Green coating on plastic (bridge of wheel of #9894).
SN6	(8)	Red coating on plastic (roof of #9894).
SN7	(9)	Coatings (red, white, green) on metal (base of #9894).
SN8	(11)	Coatings (bright silver color, red) on plastic (body of #02105).
SN9	(12)	Silver color coating on metal (base of #02105).
SN10	(14)	Coatings (yellow, orange, silver color, black, red, gold color) on metal (body of #17052).
SN11	(15)	Coatings (bright green, yellow) on metal (body of #08129).
SN12	(16)	Coatings (yellow, black, blue, white, red) on metal (body of #09064).
SN13	(17)	Coatings (red, black, silver color) on metal (body of #14022).
SN14	(18)	Coatings (black, light green) on metal (body of #09068).
SN15	(19)	Coatings (metallic blue, black, silver color, red) on metal (body of #17097).
SN16	(20)	Coatings (army green, white, red, silver color) on metal (body of #09044).
SN17	(21)	Coatings (black, red, white) on plastic (pattern of #09046).
SN18	(22)	Coatings (creamy, black, light green, light blue, red) on metal (body of #09060).

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN19	(23)	Coatings (yellow, black) on metal (body of #15960).
SN20	(24)	Coatings (blue, orange) on metal (body of #15959).
SN21	(25)	Coatings (white, black) on plastic (pattern of shark of #11061).
SN22	(26)	Silver color plastic (deck of #19093, body of #09046).
SN23	(27)	Light grey plastic (body of #9053).
SN24	(28)	Black plastic excluding coating (engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064).
SN25	(29)	Black soft plastic (tire of #17052, #08129, #9894).
SN26	(30)	Black plastic (base of #17052, #08129, #9894, #15959, #15960, #09060, #09064, #14022, #19093, #17097, #09044, #09067).
SN27	(31)	Orange plastic (window, deck of #15960).
SN28	(32)	Green plastic (wheel of #09060).
SN29	(33)	Grass green plastic (window of #09068).
SN30	(34)	Red plastic (rail of #12109, #12108, #11061).
SN31	(35)	Yellow plastic (accessory of #12109, #12108, #11061).
SN32	(36)	Black soft plastic (foot pad of #12109).
SN33	(37)	Black plastic (accessory of #12109, #12108).
SN34	(38)	Dark blue plastic (accessory of #12109, #17042).
SN35	(39)	White plastic (accessory of #12109).
SN36	(40)	Brown plastic (accessory of #11061).
SN37	(41)	Off-white elastic band (strap of #11061).
SN38	(42)	Turquoise plastic (shark of #11061).
SN39	(43)	Blue plastic (accessory of #12108).
SN40	(44)	Dark red plastic (accessory of #12108).
SN41	(45)	Dark grey plastic (tank of #12108).
SN42	(46)	Light yellow plastic (accessory of #17042).
SN43	(47)	Orange plastic (accessory of #17042).
SN44	(48)	Grey plastic (accessory of #17042).
SN45	(49)	White adhesive paper with multicolor printings (sticker).
SN46	(50)	White adhesive paper with transparent plastic film and inaccessible coatings (sticker).
SN47	(53)	Blue plastic (fixture of #02105).

The Cadmium content test of the tested components (1),(2),(4),(5),(7),(8) were conducted in composite for the materials which sample size is not sufficient to carry out the test individually.

Date sample received: Jun 16, 2020  
Testing period: Jun 16, 2020 to Jun 22, 2020

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

5 Phthalate Content

With reference to ISO 8124-6:2018, and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

For 7 phthalates

Test Item	CAS No.	Result (%)	Reporting Limit (%)	Limit (%)
		Tested Component (3+6+10), (13+14+15), (16+17+18), (19+20+21), (22+23), (24+25), (26+27+28), (29+30+31), (32+33+34), (35+36+37), (38+39+40), (41+42+43), (44+45+46), (47+48), (49), (50), (53)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	--
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.005	--
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	0.005	--
Di-n-octyl phthalate(DNOP)	117-84-0	ND	0.005	--
Di-iso-decyl phthalate (DIDP)	26761-40-0	ND	0.005	--
Sum of DINP, DNOP and DIDP	--	ND	--	0.1

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2018/2005, Annex XVII Entry 51 & 52 on Phthalate Content.

For toys and childcare articles, combination of DIBP to current limit (sum of DBP, DEHP and BBP) was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

ND = Not detected (less than reporting limit)

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(3)	Coatings (purple, silver color, bright silver color) on metal/plastic (body of #09067, engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064).
SN2	(6)	Coatings (dark blue, silver color, white, black, red) on metal/plastic (head, taillight of #19093).
SN3	(10)	Coatings (red, white, green) on metal/plastic (base, roof, bridge of wheel of #9894).
SN4	(13)	Coatings (bright silver color, blue, red, silver color) on plastic/metal (body, base of #02105).
SN5	(14)	Coatings (yellow, orange, silver color, black, red, gold color) on metal (body of #17052).
SN6	(15)	Coatings (bright green, yellow) on metal (body of #08129).
SN7	(16)	Coatings (yellow, black, blue, white, red) on metal (body of #09064).
SN8	(17)	Coatings (red, black, silver color) on metal (body of #14022).
SN9	(18)	Coatings (black, light green) on metal (body of #09068).
SN10	(19)	Coatings (metallic blue, black, silver color, red) on metal (body of #17097).
SN11	(20)	Coatings (army green, white, red, silver color) on metal (body of #09044).
SN12	(21)	Coatings (black, red, white) on plastic (pattern of #09046).
SN13	(22)	Coatings (creamy, black, light green, light blue, red) on metal (body of #09060).
SN14	(23)	Coatings (yellow, black) on metal (body of #15960).
SN15	(24)	Coatings (blue, orange) on metal (body of #15959).
SN16	(25)	Coatings (white, black) on plastic (pattern of shark of #11061).
SN17	(26)	Silver color plastic (deck of #19093, body of #09046).
SN18	(27)	Light grey plastic (body of #9053).
SN19	(28)	Black plastic excluding coating (engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064).
SN20	(29)	Black soft plastic (tire of #17052, #08129, #9894).
SN21	(30)	Black plastic (base of #17052, #08129, #9894, #15959, #15960, #09060, #09064, #14022, #19093, #17097, #09044, #09067).
SN22	(31)	Orange plastic (window, deck of #15960).
SN23	(32)	Green plastic (wheel of #09060).
SN24	(33)	Grass green plastic (window of #09068).
SN25	(34)	Red plastic (rail of #12109, #12108, #11061).
SN26	(35)	Yellow plastic (accessory of #12109, #12108, #11061).
SN27	(36)	Black soft plastic (foot pad of #12109).
SN28	(37)	Black plastic (accessory of #12109, #12108).
SN29	(38)	Dark blue plastic (accessory of #12109, #17042).
SN30	(39)	White plastic (accessory of #12109).

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN31	(40)	Brown plastic (accessory of #11061).
SN32	(41)	Off-white elastic band (strap of #11061).
SN33	(42)	Turquoise plastic (shark of #11061).
SN34	(43)	Blue plastic (accessory of #12108).
SN35	(44)	Dark red plastic (accessory of #12108).
SN36	(45)	Dark grey plastic (tank of #12108).
SN37	(46)	Light yellow plastic (accessory of #17042).
SN38	(47)	Orange plastic (accessory of #17042).
SN39	(48)	Grey plastic (accessory of #17042).
SN40	(49)	White adhesive paper with multicolor printings (sticker).
SN41	(50)	White adhesive paper with transparent plastic film and inaccessible coatings (sticker).
SN42	(53)	Blue plastic (fixture of #02105).

Date sample received: Jun 16, 2020  
Testing period: Jun 16, 2020 to Jun 22, 2020

6 Phthalates Content

By solvent extraction and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	Result (%)	
	Tested component	Reporting limit (%)
	(3+6+10), (13+14+15), (16+17+18), (19+20+21), (22+23), (24+25), (26+27+28), (29+30+31), (32+33+34), (35+36+37), (38+39+40), (41+42+43), (44+45+46), (47+48), (49), (50), (53)	
Di-n-hexyl phthalate (DnHP)	ND	0.01
Di-iso-butyl phthalate (DIBP)	ND	0.01
Di-cyclohexyl phthalate (DCHP)	ND	0.01
Di-n-pentyl phthalate (DPENP)	ND	0.01

ND = Not Detected

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(3)	Coatings (purple, silver color, bright silver color) on metal/plastic (body of #09067, engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064).
SN2	(6)	Coatings (dark blue, silver color, white, black, red) on metal/plastic (head, taillight of #19093).
SN3	(10)	Coatings (red, white, green) on metal/plastic (base, roof, bridge of wheel of #9894).
SN4	(13)	Coatings (bright silver color, blue, red, silver color) on plastic/metal (body, base of #02105).
SN5	(14)	Coatings (yellow, orange, silver color, black, red, gold color) on metal (body of #17052).
SN6	(15)	Coatings (bright green, yellow) on metal (body of #08129).
SN7	(16)	Coatings (yellow, black, blue, white, red) on metal (body of #09064).
SN8	(17)	Coatings (red, black, silver color) on metal (body of #14022).
SN9	(18)	Coatings (black, light green) on metal (body of #09068).
SN10	(19)	Coatings (metallic blue, black, silver color, red) on metal (body of #17097).
SN11	(20)	Coatings (army green, white, red, silver color) on metal (body of #09044).
SN12	(21)	Coatings (black, red, white) on plastic (pattern of #09046).
SN13	(22)	Coatings (creamy, black, light green, light blue, red) on metal (body of #09060).
SN14	(23)	Coatings (yellow, black) on metal (body of #15960).
SN15	(24)	Coatings (blue, orange) on metal (body of #15959).
SN16	(25)	Coatings (white, black) on plastic (pattern of shark of #11061).
SN17	(26)	Silver color plastic (deck of #19093, body of #09046).
SN18	(27)	Light grey plastic (body of #9053).
SN19	(28)	Black plastic excluding coating (engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064).
SN20	(29)	Black soft plastic (tire of #17052, #08129, #9894).
SN21	(30)	Black plastic (base of #17052, #08129, #9894, #15959, #15960, #09060, #09064, #14022, #19093, #17097, #09044, #09067).
SN22	(31)	Orange plastic (window, deck of #15960).
SN23	(32)	Green plastic (wheel of #09060).
SN24	(33)	Grass green plastic (window of #09068).
SN25	(34)	Red plastic (rail of #12109, #12108, #11061).
SN26	(35)	Yellow plastic (accessory of #12109, #12108, #11061).
SN27	(36)	Black soft plastic (foot pad of #12109).
SN28	(37)	Black plastic (accessory of #12109, #12108).
SN29	(38)	Dark blue plastic (accessory of #12109, #17042).
SN30	(39)	White plastic (accessory of #12109).

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN31	(40)	Brown plastic (accessory of #11061).
SN32	(41)	Off-white elastic band (strap of #11061).
SN33	(42)	Turquoise plastic (shark of #11061).
SN34	(43)	Blue plastic (accessory of #12108).
SN35	(44)	Dark red plastic (accessory of #12108).
SN36	(45)	Dark grey plastic (tank of #12108).
SN37	(46)	Light yellow plastic (accessory of #17042).
SN38	(47)	Orange plastic (accessory of #17042).
SN39	(48)	Grey plastic (accessory of #17042).
SN40	(49)	White adhesive paper with multicolor printings (sticker).
SN41	(50)	White adhesive paper with transparent plastic film and inaccessible coatings (sticker).
SN42	(53)	Blue plastic (fixture of #02105).

Date sample received: Jun 16, 2020  
Testing period: Jun 16, 2020 to Jun 22, 2020

7 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2014:01 PAK (PAH), PAHs content was determined by Gas Chromatography-Mass Spectrometry (GC-MS).

Test item	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component (2+5), (7), (9+11), (14), (15+16), (17+18), (19+20), (22), (23+24), (26+28), (27+34), (29+30), (31+32), (33), (35+36), (37+38), (39+40), (41+42), (43+44), (45+46), (47+48), (49), (50), (53)		
Benzo[a]anthracene	ND	0.1	0.5
Chrysene	ND	0.1	0.5
Benzo[b]fluoranthene	ND	0.1	0.5
Benzo[k]fluoranthene	ND	0.1	0.5
Benzo[a]pyrene	ND	0.1	0.5
Dibenzo[a,h]anthracene	ND	0.1	0.5
Benzo[j]fluoranthene	ND	0.1	0.5
Benzo[e]pyrene	ND	0.1	0.5

ND= Not detected (less than reporting limit)

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN1	(2)	Coatings (purple, silver color) on metal (body of #09067).
SN2	(5)	Coatings (dark blue, silver color, white, black) on metal (head of #19093).
SN3	(7)	Green coating on plastic (bridge of wheel of #9894).
SN4	(9)	Coatings (red, white, green) on metal (base of #9894).
SN5	(11)	Coatings (bright silver color, red) on plastic (body of #02105).
SN6	(14)	Coatings (yellow, orange, silver color, black, red, gold color) on metal (body of #17052).
SN7	(15)	Coatings (bright green, yellow) on metal (body of #08129).
SN8	(16)	Coatings (yellow, black, blue, white, red) on metal (body of #09064).
SN9	(17)	Coatings (red, black, silver color) on metal (body of #14022).
SN10	(18)	Coatings (black, light green) on metal (body of #09068).
SN11	(19)	Coatings (metallic blue, black, silver color, red) on metal (body of #17097).
SN12	(20)	Coatings (army green, white, red, silver color) on metal (body of #09044).
SN13	(22)	Coatings (creamy, black, light green, light blue, red) on metal (body of #09060).
SN14	(23)	Coatings (yellow, black) on metal (body of #15960).
SN15	(24)	Coatings (blue, orange) on metal (body of #15959).
SN16	(26)	Silver color plastic (deck of #19093, body of #09046).
SN17	(27)	Light grey plastic (body of #9053).
SN18	(28)	Black plastic excluding coating (engine of #09067, #09044, wheel of #17097, #09068, #19093, #14022, #09064).
SN19	(29)	Black soft plastic (tire of #17052, #08129, #9894).
SN20	(30)	Black plastic (base of #17052, #08129, #9894, #15959, #15960, #09060, #09064, #14022, #19093, #17097, #09044, #09067).
SN21	(31)	Orange plastic (window, deck of #15960).
SN22	(32)	Green plastic (wheel of #09060).
SN23	(33)	Grass green plastic (window of #09068).
SN24	(34)	Red plastic (rail of #12109, #12108, #11061).
SN25	(35)	Yellow plastic (accessory of #12109, #12108, #11061).
SN26	(36)	Black soft plastic (foot pad of #12109).
SN27	(37)	Black plastic (accessory of #12109, #12108).
SN28	(38)	Dark blue plastic (accessory of #12109, #17042).
SN29	(39)	White plastic (accessory of #12109).
SN30	(40)	Brown plastic (accessory of #11061).

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Tested Component(s):

Sequence No.	Test Component No.	Test Component Description(s)
SN31	(41)	Off-white elastic band (strap of #11061).
SN32	(42)	Turquoise plastic (shark of #11061).
SN33	(43)	Blue plastic (accessory of #12108).
SN34	(44)	Dark red plastic (accessory of #12108).
SN35	(45)	Dark grey plastic (tank of #12108).
SN36	(46)	Light yellow plastic (accessory of #17042).
SN37	(47)	Orange plastic (accessory of #17042).
SN38	(48)	Grey plastic (accessory of #17042).
SN39	(49)	White adhesive paper with multicolor printings (sticker).
SN40	(50)	White adhesive paper with transparent plastic film and inaccessible coatings (sticker).
SN41	(53)	Blue plastic (fixture of #02105).

Date sample received: Jun 16, 2020

Testing period: Jun 16, 2020 to Jun 28, 2020

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref.	:	11001	Fresh Metal 3", Assorted - Window Box
		11001E	30pcs packed 3" in blister bag
		11002	Fresh Metal 3" Parking Playset
		11003	Fresh Metal Dirt Demons 3pk
		11004	Police Station Play Set
		11006	Fresh Metal Playset
		11010	Tailwinds Airport Playset
		11011	Fresh Metal 24pc Gift set w/bonus car
		11012	1:64 AllStars Transporter w/1pc 1:64 vehicle
		11021	Highway Haulers, Assorted - Window Box
		11022	3" vehicle 5pk w/NHL dec in open touch box
		11026	Pull back ATV's (without driver figure), 3 assorted
		11028	3" Fresh Metal, window box pack
		11032	Tailwinds 4 Pcs Set
		11041	BC Superwheels
		11046	Adventure Wheels Mega Dealer Showroom
		11047	Metal Kruzerz Launcher with three 3" Free Wheel Diecast & Plastic Car
		11048	Fresh Metal Auto Service Playset
		11049	Burnin' Key Car Launcher Playset
		11052	1/64 Machine Muscle
		11055	Adventure Wheels 3" vehicles 9 pk
		11056	Transporter and 13 pcs vehicles
		11058	Fresh Metal Slickers 18 pack + 4 accessories, Window box
		11059	Die Cast Toy cars
		11061	Shark Jump Playset
		11062	Burnin' Key Cars Launcher Playset with 6 pc Key Car
		11063	Dinosaur Playset
		11064	Shark Jump Playset & Dino Escape Playset, asst.
		11068	Shark Jump & Dinosaur Playset, Asst
		11069	Slickers 8 pack
		11074	Shark Jump/Dino Escape/Yeti Smash
		11077	Fresh Metal 3" Gift Pack
		11081	
		11168	Fresh Metal Force 3", asst. - window box
		11201	FRESH METAL 5 PACK IN WINDOW BOX
		11325	Metal Kruzerz 5 pack
		11364	3" Volvo
		11366	FM Race Launcher with 3 pcs 1/64 Muscle Machine veh. in try me box.
		11367	FM Race Launcher, incl. 3 veh. in try-me box
		11369	Fresh Metal 3" Command Center Playset
		11382	Parking Garage with 2 non licensed vehicle
		11386	NXS Racers 3 pack
		11390	Assorted Command Center & Parking Garage
		11410	1:64 Elite Transport & Tow N Go, Assorted - Window Box

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref.	:	11500	Maisto Sand Adventures (Sand Toys Playset)
		11501	Maisto Arena Monster Race, incl. one(1) free-wheeling pickup truck(450g)
		11502	Maisto Arena ATV Race, incl. one (1) free-wheeling ATV vehicle(450g)
		11503	Maisto Arena Work Machines, incl. two (2) free-wheeling construction trucks
		11504	Sand theme playset-Dino Dig
		11506	Sand theme playset-Mummy Escape
		11519	3" Volvo Sand Theme (2pcs x 3' Volvo vehicles)
		11527	3" Construction with Sand Bag (300g)
		11528	ATV with Sand Bag (300g)
		11529	Dirt Demons with Sand Bag (300g)
		12003	Manufacturer Series 7-Pack
		12004	Fresh Twenty
		12005	Fresh Twenty-Five ~ Boxed Gift Set
		12006	30pcs Airport Set
		12011	Airport Set w/playmat - each set in DFS window box
		12017	Five Star Series, 5 PC Set Assorted - Window Box
		12023	Burnin' Key Cars Hauler Set
		12025	20pcs 3" Vehicles + 5pcs Accessories Playset
		12030	Fresh Metal Construction Set
		12045	Dirt Demons 9pcs w/accessories
		12047	3" Die-cast vehicles 10pk
		12048	Marvel Universe Hauler Playset
		12049	3" Die-Cast Vehicles with Accessories
		12050	Harley-Davidson Cycle Town Playset
		12051	Fresh Metal Easter Eggs 5 pack
		12052	Burnin' Key Car Hauler Set
		12053	Construction Zone
		12058	3" vehicle in Namco custom Hex box
		12061	20pcs 3" Vehicles w/ 9pcs Plastic Accessories
		12062	Fresh Metal Open & Play Set Asst
		12065	8pcs 3" Die-Cast Vehicle w/Accessories
		12069	Airport Gift Set
		12071	Burnin' Key Car Action Set
		12072	Fresh Metal 13-PCS Playset
		12076	Fresh Metal 15-PCS Playset
		12078	Christmas Playset
		12079	Fresh Metal 5-PCS Playset
		12082	3" vehicle in full-color Easter Egg 4-pk in blister tray w/sleeve
		12084	Marvel Universe Marvel City
		12085	Marvel Universe Single Loop Challenge
		12086	Marvel Iron Man 2 Dual Loop Challenge
		12087	Marvel Universe Drop Zone
		12088	Marvel SHS Sky Squadies Flight Deck
		12089	Marvel Super Hero Squad Fire Station
		12093	3" vehicle in full-color Easter Egg 5-pk in open touch box
		12094	Fresh Metal Toolbox with 9pcs 3" die-cast vehicles

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref.	:	12108 Kid Connection Dual Race Challenge set 12109 Adventure Wheels Double Loop Challenge set 12113 Fresh Metal Play Places - Road Race 12114 Fresh Metal Play Places - Off Road 12132 10pk 3" Die Cast Vehicle Set 12135 Play Place, Asst. 12154 Marvel The Avengers Team Set 12155 Dirt Demon Set 12157 The Amazing Spider-Man Metro Mayhem Playset 12158 Fresh Metal Super 6 Cycles 12166 Dept.of Transportion (20pcs 3" Box Set) 12168 FRESH METAL 10 PACK IN WINDOW BOX 12169 3" Maisto Transit Authority 16pcs Box Set 12171 6-PC 3" VEHICLES 12172 Military Tailwinds, Asst. 12174 Dirt Demons 3 pack, Asst 12175 3" Manufacturer Series, 7 Pack - Window Box 12181 FM Verti-Go Playset 12188 MTA 20-PACK 12190 20 pcs #15079 3" Fresh Metal in Sleeve 12193 Burnin' Key Car Hauler Set 12194 ATV's 5 pack 12200 Fresh Metal Slickers 8 Pack, window box 12201 3" vehicle 3 pack set 12205 Fresh Metal Race Launcher Playset 12206 ATV's 5 pack 12212 Fresh Metal Burnin' key car action set 12218 Jeep Off-Road Playset 12219 Jeep Mountain Pass Playset 12220 Get Away Launcher Playset 12223 WRB Flying Bulls 4 pack 12226 Police Station Playset 12228 Tool box with 3" car 6pcs 12264 NXS Racers Stunt Park 12266 Fresh Metal 3" in 40 pack 12267 FM 45 Pack Asst 12268 NXS Racers Speed Tunnel 12270 FM 3" Elevator Playset 12288 3" vehicles in 50 pack 12291 FM 3 30Pcs Plastic Blister Bag 12291 FM 3 30Pcs Plastic Blister Bag 12318 Fresh Metal 3" 20pcs 12328 FM Heartland Haulers 12329 Fresh Metal Movers 3 pack Asst 12333 #12220 Get Away Launcher Playset + #12323 Dual Race Challenge Playset, asst. 12349 FM Highway Hauler & 3" car 4-Pack 12350 3" die-cast car 14 pcs + 2 pcs accessories 12357 Fresh Metal Action Set 12358 Fresh Metal Heartland Haulers Playset 12359 FRESH FIFTEEN 15 pcs
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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref.	:	12362	Fresh Metal Dual Race Challenge
		12363	Fresh Metal Double Loop Challenge
		12367	Highway Haulers 2 pack with 6 accessories
		12371	NXS Stunt Tunnel with 2 cars
		12372	NXS Stunt Park with 2 cars
		12375	3" Volvo - 5pcs packed
		12376	3" Volvo - Play set
		12389	1:64 Custom Rigs
		12390	Fresh Metal Forces Counter Attack
		12391	FM Forces Maximum Force
		12395	Mega Playset – 5-level playset, include 4 pcs 3"cars (non-license)
		12398	Dinotropolis Mega Playset
		12408	Megatropolis Mega Playset – 5-level playset, include 4 pcs 3"cars
		12421	Megatropolis Mega Playset – 5-level playset, include 20 pcs 3"cars
		12440(682763)	NXS Loop Playset (assorted)
		12446	NXS Racers Stunt Park in smaller box
		12451	Fresh Metal Car Carrier set
		12452	NXS DUAL RACE CHALLENGE
		12453	NXS TRIPLE LOOP CHALLENGE
		12454	NXS LOOP AND SPEED TUNNEL
		12455	NXS TRIPLE LOOP AND SPEED TUNNEL
		12468	Megatropolis in pallet
		12470	15pc 3" Maisto Transit Authority in sleeve pack
		12482	Forces 3" 4 pack
		12482	Forces 3" 4 pack
		12486	Fresh Metal Forces 4 Pack with figures
		12486	Fresh Metal Forces 4 Pack with figures
		12512	Fresh Metal Build-N-Play Set – Fire Station
		12513	Fresh Metal Build-N-Play Set – Police Station
		12514	Fresh Metal Build-N-Play Set – Hospital
		12515	Fresh Metal Build-N-Play Set – Coffee Shop
		12516	Fresh Metal Build-N-Play Set – Garage
		12517	Fresh Metal Build-N-Play Set – Gas Pump
		12518	Dino Build n Play
		12519	Forces Build N Play - Military set
		12520	Paper playset
		12525	Build N Play with extra vehicles
		13001	3" Vehicle, Assorted ~ Each in white close box.
		13425	FM Launcher <sup>®</sup> N Loop Set, incl. 1 veh.
		13426	1:64 1970 Dodge Challenger R/T
		13505	Sand Bag (450g each x 2 bags)
		13505	Sand Bag (450g each x 2 bags)
		14014	30 set #15017 Fresh Metal 3" 5pk in Floor Display
		14015	Tailwinds 30pcs in Floor Display
		14016	108pcs 3" Die-Cast Vehicle (#15044) in Floor Display

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref. :

- 14020 3" Fresh Metal Easter Egg, 16pcs per counter display
- 14024 3" Marvel Iron Man 2 window box pk, 36 pcs in Counter
- 14025 Marvel Universe 3" window box, 36 pcs in Counter Display
- 14027/16027 Slickers 10 pack (tube pk), 12 pcs in PDQ
- 14035 72 pcs 15044 3" Fresh Metal in sidekick
- 14036 16 pcs 15111 3" Fresh Metal 5 pk in sidekick
- 14037 3" vehicle in full-color Easter Egg , 24 pcs in counter
- 14040 24 pcs Burnin' Key Car, 4 pcs Burnin' Key Car Hauler Launcher and 12 pcs Fresh Paint in Floor Display
- 14047 64 pcs 3" Fresh Metal and 18 pcs Custom Shop Fifty 5's in Floor Display
- 14048 Marvel Universe 3" vehicle Egg Asst.
- 14049 3" vehicle in Easter Egg, 32 pcs in counter display
- 14051 Pinky Blinky 3" vehicles Asst
- 14053 Fresh Metal 3" ~ Each in window box, then 36pc per counter display
- 14054 Fresh Metal 3" ~ Each in window box, then 36pc per counter display
- 14064 48 pcs #15107 Fresh Paint in Floor Display
- 14069 Fresh Metal 3" diecast vehicle 144 pcs in floor display
- 14070 Highway Haulers, Assorted - 16 pcs per Counter Display
- 14071 Avengers 3" 2pk , 32 pcs in Floor Display
- 14075 Fresh Metal Slickers counter display.
- 14078 Slickers 144 pcs in floor display
- 14079 3" vehicles in window box, 40 pcs in counter display
- 14096 Fresh Metal 3" in counter display
- 14101 Burnin' key car 36 pcs in floor display
- 14103 12pcs in counter display
- 14110 Heartland Haulers in floor display
- 14112 3" Fresh Egg, 12 pcs in counter display
- 14118 72 pcs 3" Blister Card in floor display
- 14150 Marvel Universe Haulers Window Box, 16 pcs in
- 14168 3" Military Force Asst, 24 pcs in counter display
- 14185 Marvel 3" Easter Egg, 12 pcs in counter display
- 14223 Slickers 12 pcs in counter display
- 14244 Slickers in plastic egg, 12 pcs in counter display
- 14248 FRESH METAL EASTER EGG IN DISPLAY
- 14309 3" Fantasy Vehicles Egg, 12 pcs per counter Display
- 14358 Burnin' Key Cars ~120pcs in Floor Display
- 14364 3" Volvo
- 14390 FM 3" Pullback Assorted ~ 24pcs per counter display
- 14392 FM 3" Real Gears 36pcs per counter display
- 15001 Fresh Metal 3", Assorted - Blister Card
- 15002 Tailwinds w/o stand, Assorted ~ Each pc on blister card
- 15012 FRESH METAL 3 PACK IN BLISTER CARD
- 15017 Metal Kruzerz 5 pack 3" Free Wheel Diecast & Plastic Car

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref.	:	15021 Highway Haulers, Assorted - Blister Card
		15023 Slickers, asst.
		15023 KRAZY KRUZERZ
		15026 ATV's, Assorted - Blister Card
		15030 Fresh Metal 3" Dirt Demons
		15037 Adventure Wheels 3" single pack
		15040 Drama Queens single pack on blister card
		15042 3" HUMMER World 5 Pack
		15044 Metal Kruzerz 3" Free Wheel Diecast & Plastic Car
		15046 3"single pack non-licensed car
		15047 Tailwinds w/stand
		15053 Color Changing Vehicle 3pk
		15066 Fresh Metal Dirt Demons ~ Desert Run
		15069 Tailwinds in shorter blister card, asst.
		15072 3" Fresh Metal in reduced blister card, 60 pcs in PDQ
		15073 3 set Fresh Metal 5pk in shrinkwrap
		15076 3" vehicle 10 pack
		15079 3" Fresh Metal, Assorted
		15080 2-pc 3" Maisto Transit Authority, Assorted - Blister Card
		15080 Metal Kruzerz 2 pack 3" Free Wheel Diecast & Plastic Car
		15082 3" Non-license Fantasy Wheels
		15083 3" vehicle in custom graphic and blister card
		15086 Fresh Metal 3" 6 pack
		15087 3" Fresh Metal 5pk, 2 sets in shrink wrap
		15088 Fresh Metal Tailwinds
		15089 Little Farm Set ~ Four+ Accessories
		15092 FM ATV's in smaller card, Asst.
		15095 Tractors
		15095 3" Fresh Metal 3pk in blister card, Asst.
		15097 BC 3" 2 Pack Car
		15098 BC 3" 6 Pack Car
		15099 3" Fresh Metal, Assorted
		15099 3" diecast vehicle in blister card, Asst
		15101 Burnin' Key Cars, Asst.
		15102 Burnin' Key Cars Hauler Launcher
		15107 Fresh Paint
		15109 Lil' Farm Trucks & Trailers, Asst
		15109 Fresh Metal Heartland Haulers Asst.
		15111 3" Fresh Metal 5pk in single blister
		15112 3" FRESH EGG
		15113 kidconnection 3" non-licensed car 1-pack (Fastasy Collection)
		15114 Fresh Paint in smaller card, Asst.
		15117 Adventure Wheels Lil' Farm Trucks & Trailers, Asst.
		15118 3" non-licensed car 5-pack (Fastasy Collection)
		15129 Tonka Tailwinds, Assorted - Blister Card
		15131 On Track, Assorted - Blister Card
		15137 3" Marvel Iron Man 2 5-Pack Asst
		15147 3" Marvel Iron Man 2 2-Pack Asst.

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref.	:	15151	Fresh Metal Race Launcher
		15152	2 Pcs Set Burnin' Key Car
		15154	Fresh Paint Asst with 2 Clipstrips
		15163	Marvel Universe 15pcs 3" in sleeve pk
		15166	3" vehicle in full-color Easter Egg 3-pk
		15168	3" Fresh Metal Forces
		15181	Fresh Metal Car City, asst.
		15185	Marvel Universe 3"Egg singles
		15187	3" vehicle in full-color Easter Egg 6-pk in blister card
		15194	Adventure Wheels Easter Eggs 3pk
		15195	Fresh Metal 3" vehicle in full-color Egg 3-pk in blister
		15206	1:64 Design Tow & Go in clam shell packaging
		15207	Adventure Force Lil' Farm Trucks & Trailers, Asst.
		15211	Metal Movers, asst.
		15212	3" vehicles 10pk in blister card
		15226	Adventure Wheels 3" 2 pack, Asst.
		15234	Fresh Metal 5pk in blister card, Asst.
		15236	KRAZY KRUZERZ, 5 Pack
		15236	Fresh Metal Slickers 5 Pack
		15237	KRAZY KRUZERZ, 2 Pack
		15241	Slickers, Asst
		15243	Slickers Pocket Pockets
		15244	Slickers in plastic egg, 12 pcs in counter display
		15245	Slickers in egg shape blister card
		15261	Slickers 5 pack, Asst.
		15263	Adventure Wheels Slickers & Slickers Pocket Rockets set
		15279	Construction (3" Die-Cast Vehicles Set)
		15300	3" Maisto Transit Authority, 6 pcs loaded in clip
		15325	FRESH METAL 5 PACK IN BLISTER CARD
		15347	Adventure Wheels Dirt Demons
		15349	FM 3" Construction vehicle asst
		15350	FM 3" Emergency vehicle asst
		15351	3" Basic Collection Vehicle single pack
		15353	FM Forces Sky Squad
		15355	FM Force First Strike
		15356(582043)	3" Fantasy Collection Vehicle single pack
		15358	FM Burning Key Car on one generic card
		15364	3" Volvo
		15366	Transit Connect Tax
		15373	Kid Connection 3" Vehicle 1 pack
		15378	Heartland Haulers in custom packaging, smaller card
		15395	FM 3" Pullback
		15396	NXS Racer Single Pack
		15404	MINI LAUNCHER
		15405	FM 3" Pullback

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**Test Report**

Number: GZHH00368331S1

Tests Conducted

Applicant's Ref.	:	15415 Forces 3" with Dino 15421 3" construction 5 pack 15422 ATV 3 pack 15424 3" Construction 4 pack 15426 Dirt Demons 2 pack 15428 3" Volvo Sand Theme (1pc x 3" Volvo vehicles) 15462 3" vehicle with Dino 15515 Factory Fresh 16001 3" bulk pack 16023 Slickers 5 pcs tube pack, Asst. 16262 10 Vehicle Carrying Case 16491 12pcs 3" vehicle on PVC barrel 18001 3" MTA Clip Strip of 12 Hooks Attached 21022 Security & Fire Collection Set 21204 Builder Zone 2PK in open touch box 22051 Fresh Metal ~ Metal Mover 22064 Metal Movers 22132 Auto Carrier Set 22239 Fresh Metal Construction Set in toolbox 22326 FM Builder Zone --- Rapid Repair Zone 24303 12 pcs FM Builder Zone bulk pack in tray display box 25002 Lamborghini Power Racer Collection 25203 FM Builder Zone 31400 Air Force Box Pack 34012 Air Force Collection, Assorted - Window Box 34400 Air Force Collection 62017 Maisto mixed items Floor Display 15475 3" vehicle in 5 pack 12415-2319(621117) Fresh Metal Loop Playset assorted Above sample information is submitted and/or identified by client
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**Test Report**

Number: GZHH00368331S1

Tests Conducted



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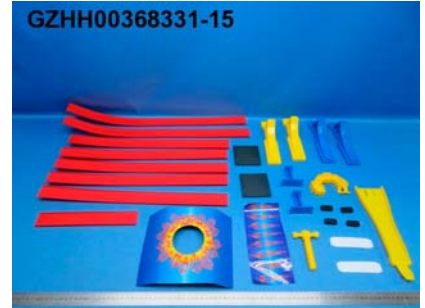




**Test Report**

Number: GZHH00368331S1

Tests Conducted



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End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification.

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch.



To: MAY CHEONG TOY PRODUCTS FTY LTD  
Attention: ICY HUANG

Ref: FC-200 (0957)  
Date: Jul 31, 2020

Re : Report Revision Notification

Intertek Testing Services Report Number GZHH00368331 Dated Jun 29, 2020

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now supersede by a revised Intertek Testing Services Report, GZHH00368331S1.

Details of report amendment:

1. Add Applicant's reference information as per client's request.

Thank you for your attention.

Authorized by:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch, Hardlines



Victor T.J. Wang  
Assistant General Manager

