

Test Report

Number: GZHH0032857901S1

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

Date: Sep 11, 2019

Attn: ICY HUANG

This is to supersede Report No. GZHH0032857901 dated Jun 29, 2019

Sample Description:

Ten (10) styles of submitted sample said to be :

| No. | Item | Description | Color |
|-----|-------|--|------------------|
| 1 | 31266 | 1:24 2017 Ford F-150 Raptor | Metallic Blue |
| 2 | 31269 | 1:24 2012 Ford Mustang Boss 302 | Dull Black |
| 3 | 31281 | 1:24 Audi R8 | Dull Black |
| 4 | 31282 | 1:24 Jeep Renegade | Red |
| 5 | 31506 | 1:24 2014 Ford Mustang Street Racer | White |
| 6 | 31935 | Harley Davidson ~ 1:25 1948 Ford F-1 Pickup | Dull Black |
| 7 | 31935 | Harley Davidson ~ 1:25 1948 Ford F-1 Pick up | Black/Orange |
| 8 | 31943 | 1:24 1970 Ford Mustang Boss 302 | Yellow |
| 9 | 31977 | 1:25 1965 Chevrolet El Camino | Metallic Blue |
| 10 | 32509 | Design Exotic ~ 1:24 Bugatti Chiron | Light Blue/White |

Labelled Age Group : "3+,8+"
Applicant Specified Age : Over 3 years
Grading for Testing
Packaging Provided by Applicant : Yes
Country of Origin : China

Tests conducted:

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

To be continued

Approved:




Parco Leung
Technical Supervisor

Approved:



Jimly Lin
Advanced Technical Support



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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 | EN71-3:2013+A3:2018 on migration of certain elements | Pass |
| | EN71-3:2013+A3:2018 on migration of certain elements & EU 2018/725 amending 2009/48/EC (effective from Nov 18,2019) for chromium (VI) 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 Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & (EU) 2018/2005. [(EU) 2018/2005 is applicable to products including toys and childcare articles placed on the market after 7 July 2020] | Pass |
| | <u>Test Item</u> Phthalates Content | See Test Conducted 6# |
| | <u>Standard</u> 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 |

: This test in the report is not included in the CNAS accreditation schedule for our laboratory.

Approved:




Parco Leung
Technical Supervisor

Approved:



Jimly Lin
Advanced Technical Support



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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 |
| 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 | Testing Items | Assessment |
|--------|---|------------|
| 5.15 | Sledges with cords for pulling | 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 | 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, graphical symbol and the indication of hazard was found on the packaging.



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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 14, 2019
Testing period : Jun 14, 2019 to Jun 21, 2019

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 14, 2019
Testing period : Jun 14, 2019 to Jun 21, 2019



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Tests Conducted

3 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013+A3:2018 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) | (4) | (7) | (9) | | |
| Aluminium (Al) | 2644 | 5016 | 2314 | 2104 | 300 | 70000 |
| 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) ** | ND | ND | ND | ND | 10 | 460 |
| Chromium (VI) (Cr VI) ** | ND# | ND# | ND# | ND# | 0.025 | 0.2/0.053◎ |
| 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 | 2.0 | 12 |
| Zinc (Zn) | 212 | 10911 | 11085 | 11164 | 100 | 46000 |



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| Element | Result (mg/kg) | | | | Reporting Limit (mg/kg) | Limit (mg/kg) |
|----------------------------|------------------|-------|------|-------|-------------------------|---------------|
| | Tested Component | | | | | |
| | (10) | (12) | (13) | (15) | | |
| Aluminium (Al) | 1886 | 1696 | ND | 2021 | 300 | 70000 |
| 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) ** | ND | ND | ND | ND | 10 | 460 |
| Chromium (VI) (Cr VI) ** | ND# | ND# | ND# | ND# | 0.025 | 0.2/0.053◎ |
| 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 | 2.0 | 12 |
| Zinc (Zn) | 10691 | 10595 | ND | 10793 | 100 | 46000 |

| Element | Result (mg/kg) | | | | Reporting Limit (mg/kg) | Limit (mg/kg) |
|----------------------------|------------------|------|------|-------|-------------------------|---------------|
| | Tested Component | | | | | |
| | (16) | (17) | (18) | (19) | | |
| Aluminium (Al) | ND | 1183 | 522 | 10053 | 300 | 70000 |
| 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) ** | ND | ND | ND | ND | 10 | 460 |
| Chromium (VI) (Cr VI) ** | ND# | ND# | ND# | ND# | 0.025 | 0.2/0.053◎ |
| 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 | 2.0 | 12 |
| Zinc (Zn) | ND | 9831 | 6115 | 10367 | 100 | 46000 |



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| Element | Result (mg/kg) | | | | Reporting Limit (mg/kg) | Limit (mg/kg) |
|----------------------------|------------------|------|------|------|-------------------------|---------------|
| | Tested Component | | | | | |
| | (21) | (22) | (25) | (27) | | |
| Aluminium (Al) | 2431 | ND | ND | ND | 300 | 70000 |
| 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) ** | ND | ND | ND | ND | 10 | 460 |
| Chromium (VI) (Cr VI) ** | ND# | ND# | ND# | ND# | 0.025 | 0.2/0.053◎ |
| 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 | 2.0 | 12 |
| Zinc (Zn) | 10468 | ND | ND | ND | 100 | 46000 |

| Element | Result (mg/kg) | | Reporting Limit (mg/kg) | Limit (mg/kg) |
|----------------------------|------------------|------|-------------------------|---------------|
| | Tested Component | | | |
| | (28) | (29) | | |
| Aluminium (Al) | ND | ND | 300 | 70000 |
| Antimony (Sb) | ND | ND | 10 | 560 |
| Arsenic (As) | ND | ND | 10 | 47 |
| Barium (Ba) | ND | ND | 10 | 18750 |
| Boron (B) | ND | ND | 50 | 15000 |
| Cadmium (Cd) | ND | ND | 5 | 17 |
| Chromium (III) (Cr III) ** | ND | ND | 10 | 460 |
| Chromium (VI) (Cr VI) ** | ND# | ND# | 0.025 | 0.2/0.053◎ |
| Cobalt (Co) | ND | ND | 10 | 130 |
| Copper (Cu) | ND | ND | 10 | 7700 |
| Lead (Pb) | ND | ND | 10 | 23 |
| Manganese (Mn) | ND | ND | 10 | 15000 |
| Mercury (Hg) | ND | ND | 10 | 94 |
| Nickel (Ni) | ND | ND | 10 | 930 |
| Selenium (Se) | ND | ND | 10 | 460 |
| Strontium (Sr) | ND | ND | 100 | 56000 |
| Tin (Sn) | ND | ND | 2.5 | 180000 |
| Organic tin ** | ND | ND | 2.0 | 12 |
| Zinc (Zn) | ND | ND | 100 | 46000 |



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Tests Conducted

| Element | Result (mg/kg) | Reporting Limit (mg/kg) | Limit (mg/kg) |
|----------------------------|----------------------------|-------------------------|---------------|
| | Tested Component | | |
| | (5), (8), (23), (24), (26) | | |
| Aluminium (Al) | ND | 300 | 70000 |
| 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) ** | ND | 10 | 460 |
| Chromium (VI) (Cr VI) ** | ND | 0.025 | 0.2/0.053© |
| 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 ** | ND | 2.0 | 12 |
| Zinc (Zn) | ND | 100 | 46000 |

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "#" or "Δ", 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.
 ND = Not detected (less than reporting limit)
 © = The new chromium (VI) migration limit [(0.053mg/kg for Category (III))] were quoted from directive (EU) 2018/725 amending 2009/48/EC effective from 18 November 2019.
 # = Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).



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Tests Conducted

Tested Component(s):

- (1) @ Black coating on plastic (window of all styles).
- (2) Metallic dark grey coating on plastic (deck of #31266).
- (3) @ Yellow coating on plastic (car light of #31266).
- (4) Coatings (metallic blue, black, yellow) on metal (body of #31266).
- (5) Transparent adhesive plastic sheet with inaccessible coatings (mirror of all styles) (sample weight: 18.2mg).
- (6) @ Silver color coating on plastic (rim, engine of #31269, #31281).
- (7) Coatings (black, white, orange) on metal (body of #31269).
- (8) Transparent plastic (car light of #31266).
- (9) Coatings (black, silver color) on metal (body of #31281).
- (10) Coatings (red, silver color) on metal (body of #31282).
- (11) @ Coatings (silver color, yellow) on plastic (engine of #31506).
- (12) Coatings (white, black, silver color, red) on metal (body of #31506).
- (13) Off-white plastic excluding coatings (rim of #32509).
- (14) @ Bright silver color coating on plastic (mirror, rim, fender of #31935).
- (15) Coatings (black, green, white) on metal (body of #31935 green).
- (16) Metallic orange plastic (rim of #31935).
- (17) Coatings (black, orange, white, silver color) on metal (body of #31935 orange).
- (18) Coatings (yellow, white, silver color, black) on metal (body of #31943).
- (19) Coatings (metallic blue, silver color, red, blue) on metal (body of #31977).
- (20) @ Coatings (blue, grey) on plastic (seat, inside of #32509).
- (21) Coatings (blue, white, black) on metal (body of #32509).
- (22) Metallic green plastic (rim of #31935).
- (23) Black 60 °PVC plastic (tire of #31266, #31281, #31282, #31935, #31943, #31977, #32509).
- (24) Black 70 °PVC plastic (tire of #31269, #31506).
- (25) Black 90 °PVC plastic (mirror of #31281).
- (26) Black plastic (base of all styles).
- (27) Transparent plastic (window of all styles).
- (28) Semi-transparent plastic excluding coating (rear car light of #31266).
- (29) Beige plastic (deck of #31935).

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



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Tests Conducted

(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 14, 2019
Testing period: Jun 14, 2019 to Jun 27, 2019

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), (3/4), (5+8+13), (6/7), (9), (10), (11/12), (14/15), (16+22+29), (17)to(19), (20/21), (23+24+25), (26+27+28) | |
| 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)



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Tests Conducted

Tested Component(s):

- (1) Black coating on plastic (window of all styles).
- (2) Metallic dark grey coating on plastic (deck of #31266).
- (3) Yellow coating on plastic (car light of #31266).
- (4) Coatings (metallic blue, black, yellow) on metal (body of #31266).
- (5) Transparent adhesive plastic sheet with inaccessible coatings (mirror of all styles).
- (6) Silver color coating on plastic (rim, engine of #31269, #31281).
- (7) Coatings (black, white, orange) on metal (body of #31269).
- (8) Transparent plastic (car light of #31266).
- (9) Coatings (black, silver color) on metal (body of #31281).
- (10) Coatings (red, silver color) on metal (body of #31282).
- (11) Coatings (silver color, yellow) on plastic (engine of #31506).
- (12) Coatings (white, black, silver color, red) on metal (body of #31506).
- (13) Off-white plastic excluding coatings (rim of #32509).
- (14) Bright silver color coating on plastic (mirror, rim, fender of #31935).
- (15) Coatings (black, green, white) on metal (body of #31935 green).
- (16) Metallic orange plastic (rim of #31935).
- (17) Coatings (black, orange, white, silver color) on metal (body of #31935 orange).
- (18) Coatings (yellow, white, silver color, black) on metal (body of #31943).
- (19) Coatings (metallic blue, silver color, red, blue) on metal (body of #31977).
- (20) Coatings (blue, grey) on plastic (seat, inside of #32509).
- (21) Coatings (blue, white, black) on metal (body of #32509).
- (22) Metallic green plastic (rim of #31935).
- (23) Black 60 °PVC plastic (tire of #31266, #31281, #31282, #31935, #31943, #31977, #32509).
- (24) Black 70 °PVC plastic (tire of #31269, #31506).
- (25) Black 90 °PVC plastic (mirror of #31281).
- (26) Black plastic (base of all styles).
- (27) Transparent plastic (window of all styles).
- (28) Semi-transparent plastic excluding coating (rear car light of #31266).
- (29) Beige plastic (deck of #31935).

Remark:

The Cadmium content test of the tested components (1)to(4), (6), (7), (11), (12), (14), (15), (20), (21) were conducted in composite for the materials which sample size is not sufficient to carry out the test individually.

Date sample received: Jun 14, 2019

Testing period: Jun 14, 2019 to Jun 27, 2019



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5 Phthalate Content

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

For 7 phthalate

| Test Item | CAS No. | Result (%) | Reporting Limit (%) | Limit (%) |
|-------------------------------------|---------------------------|---|---------------------|-----------|
| | | Tested component (1)to(10), (11+12+13), (14+15+16), (17+18+19), (20+21+22) | | |
| 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/ 68515-48-0 | ND | 0.005 | -- |
| Di-n-octyl phthalate(DNOP) | 117-84-0 | ND | 0.005 | -- |
| Di-iso-decyl phthalate (DIDP) | 26761-40-0/ 68515-49-1 | ND | 0.005 | -- |
| Sum of DINP, DNOP and DIDP | -- | ND | -- | 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 & Amendment Commission Regulation (EU) 2018/2005 for phthalate content in articles (formerly known as Directive 2005/84/EC).

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)

Tested Component(s):

- (1) Coatings (metallic blue, black, yellow, metallic dark grey) on metal/plastic (body of #31266).
- (2) Coatings (black, white, orange, silver color) on metal/plastic (body of #31269).
- (3) Coatings (black, silver color) on metal (body of #31281).
- (4) Coatings (red, silver color) on metal (body of #31282).
- (5) Coatings (white, black, silver color, red, yellow) on metal/plastic (body of #31506).
- (6) Coatings (black, green, white, bright silver color) on metal/plastic (body of #31935 green).
- (7) Coatings (black, orange, white, silver color) on metal (body of #31935 orange).



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Tested Component(s):

- (8) Coatings (yellow, white, silver color, black) on metal (body of #31943).
- (9) Coatings (metallic blue, silver color, red, blue) on metal (body of #31977).
- (10) Coatings (blue, white, black, grey) on metal/plastic (body of #32509).
- (11) Black 60 °PVC plastic (tire of #31266, #31281, #31282, #31935, #31943, #31977, #32509).
- (12) Black 70 °PVC plastic (tire of #31269, #31506).
- (13) Black 90 °PVC plastic (mirror of #31281).
- (14) Black plastic (base of all styles).
- (15) Transparent plastic (window of all styles).
- (16) Semi-transparent plastic excluding coating (rear car light of #31266).
- (17) Beige plastic (deck of #31935).
- (18) Metallic green plastic (rim of #31935).
- (19) Metallic orange plastic (rim of #31935).
- (20) Off-white plastic excluding coatings (rim of #32509).
- (21) Transparent plastic (car light of #31266).
- (22) Transparent adhesive plastic sheet with inaccessible coatings (mirror of all styles).

Date sample received: Jun 14, 2019
Testing period: Jun 14, 2019 to Jun 25, 2019

6 Phthalates Content

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

| Test item | Result (%) | Reporting limit (%) |
|--------------------------------|---|---------------------|
| | Tested component | |
| | (1)to(10), (11+12+13), (14+15+16), (17+18+19), (20+21+22) | |
| 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



Test Report

Number: GZHH0032857901S1

Tests Conducted

Tested Component(s):

- (1) Coatings (metallic blue, black, yellow, metallic dark grey) on metal/plastic (body of #31266).
- (2) Coatings (black, white, orange, silver color) on metal/plastic (body of #31269).
- (3) Coatings (black, silver color) on metal (body of #31281).
- (4) Coatings (red, silver color) on metal (body of #31282).
- (5) Coatings (white, black, silver color, red, yellow) on metal/plastic (body of #31506).
- (6) Coatings (black, green, white, bright silver color) on metal/plastic (body of #31935 green).
- (7) Coatings (black, orange, white, silver color) on metal (body of #31935 orange).
- (8) Coatings (yellow, white, silver color, black) on metal (body of #31943).
- (9) Coatings (metallic blue, silver color, red, blue) on metal (body of #31977).
- (10) Coatings (blue, white, black, grey) on metal/plastic (body of #32509).
- (11) Black 60 °PVC plastic (tire of #31266, #31281, #31282, #31935, #31943, #31977, #32509).
- (12) Black 70 °PVC plastic (tire of #31269, #31506).
- (13) Black 90 °PVC plastic (mirror of #31281).
- (14) Black plastic (base of all styles).
- (15) Transparent plastic (window of all styles).
- (16) Semi-transparent plastic excluding coating (rear car light of #31266).
- (17) Beige plastic (deck of #31935).
- (18) Metallic green plastic (rim of #31935).
- (19) Metallic orange plastic (rim of #31935).
- (20) Off-white plastic excluding coatings (rim of #32509).
- (21) Transparent plastic (car light of #31266).
- (22) Transparent adhesive plastic sheet with inaccessible coatings (mirror of all styles).

Date sample received: Jun 14, 2019
Testing period: Jun 14, 2019 to Jun 25, 2019



Test Report

Number: GZHH0032857901S1

Tests Conducted

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 (1)to(11), (12+13), (14+17), (15+16+22), (18+19), (20+23), (21+24+25) | | |
| 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)

Tested Component(s):

- (1) Metallic dark grey coating on plastic (deck of #31266).
- (2) Coatings (metallic blue, black, yellow) on metal (body of #31266).
- (3) Coatings (black, white, orange) on metal (body of #31269).
- (4) Coatings (black, silver color) on metal (body of #31281).
- (5) Coatings (red, silver color) on metal (body of #31282).
- (6) Coatings (white, black, silver color, red) on metal (body of #31506).
- (7) Coatings (black, green, white) on metal (body of #31935 green).
- (8) Coatings (black, orange, white, silver color) on metal (body of #31935 orange).
- (9) Coatings (yellow, white, silver color, black) on metal (body of #31943).
- (10) Coatings (metallic blue, silver color, red, blue) on metal (body of #31977).
- (11) Coatings (blue, white, black) on metal (body of #32509).
- (12) Black 60 °PVC plastic (tire of #31266, #31281, #31282, #31935, #31943, #31977, #32509).
- (13) Black 70 °PVC plastic (tire of #31269, #31506).
- (14) Black 90 °PVC plastic (mirror of #31281).
- (15) Off-white plastic with bright silver color coating (mirror of #31935).
- (16) Black plastic with coatings (blue, grey) (seat, inside of #32509).



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Tests Conducted

Tested Component(s):

- (17) Semi-transparent plastic excluding coating (rear car light of #31266).
- (18) Beige plastic (deck of #31935).
- (19) Metallic green plastic (rim of #31935).
- (20) Metallic orange plastic (rim of #31935).
- (21) Off-white plastic with silver color coating (rim, engine of #32509).
- (22) Black plastic with coatings (silver color, yellow) (engine of #31506).
- (23) Transparent adhesive plastic sheet with inaccessible coatings (mirror of all styles).
- (24) Transparent plastic with black coating (window of all styles).
- (25) Transparent plastic with yellow coating (car light of #31266).

Date sample received: Jun 14, 2019

Testing period: Jun 14, 2019 to Jun 26, 2019



Test Report

Number: GZHH0032857901S1

Tests Conducted

Appendix

| | | | |
|------------------|---|--------|--|
| Applicant's Ref. | : | 31021 | 1:24 Allstars, Assorted |
| | | 31027 | 1:27 Hummer, Assorted |
| | | 31029 | 1:24 Custom Shop, Assorted |
| | | 31084 | 1:24 Special Edition (#31900) with white mailer box |
| | | 31088 | 1:24 Pro-Rodz, Assorted |
| | | 31089 | 1:24 Pro-Rodz ~ 1968 Chevrolet Camaro SS 396 Convertible |
| | | 31302 | 1:24 Special Edition in Creative graphic window box |
| | | 31900 | 1:24 - 1:27 Special Edition, Assorted |
| | | 31900A | 1:24 ~ 1:27 SCALE METAL KRUZERZ, ASSORTED |
| | | 31900B | 1:24 ~ 1:27 SCALE METAL KRUZERZ, ASSORTED |
| | | 32019 | 1:24 Custom Shop + 1:24 ProdRodz ProStreet, Assorted |
| | | 32065 | Marvel Iron Man 2 1:24 Die-cast Vehicle Asst. |
| | | 32089 | 1:24 Dirt Riders ~ Assorted |
| | | 32990 | 1:24 AllStars Elite Transport |
| | | 34009 | 1:24 - 1:27 Scale Vehicles in Floor Display |
| | | 32301 | 1:24 Hippie Line ~ Volkswagen Van "Samba" |
| | | 34019 | 14pcs 1:24 Custom Shop in Floor Display |
| | | 34032 | 1:24 Dirt Riders 4pcs bulk in display box |
| | | 34040 | Mixed item floor display |
| | | 34041 | 7 pcs 1:24 HD Ford Mustang + 7 pcs 1:24 Pickup in Floor Display |
| | | 34049 | 1:24 Harley Davidson Ford, Asst. 20 pcs in floor display |
| | | 34088 | 1:24 Pro-Rodz, Assorted ~ 4 pcs tray pack |
| | | 34089 | 1:24 Custom Shop 4pk bulk in display box |
| | | 34900 | 1:24 Scale 4 pk Vehicles in Open Tray Display |
| | | 32900 | 1:24 SE + 1:12 Moto Assorted |
| | | 62011 | 1:24 SE + 1:12 Moto Assorted |
| | | 32451 | 1:24 Design Classic Muscle, Assorted |
| | | 32452 | 1:24 Design Modern Muscle, Assorted |
| | | 32453 | 1:24 Design Exotic, Assorted |
| | | 32454 | 1:24 Design Outlaws, Assorted |
| | | 32455 | 1:24 Design Authority, Assorted |
| | | 32456 | 1:24 Maisto Design Tokyo Mod, Assorted |
| | | 32457 | 1:24 Design Classics, Assorted |
| | | 32520 | 1:24 Maisto Design Off-Road Kings, Assorted |
| | | 32160 | 1:24 H-D Ford Mustang |
| | | 32161 | 1:24 H-D Ford Pick-up w/ 1:24 H-D motorcycle |
| | | 32162 | 1:24 H-D Ford Mustang & 1:24 H-D Ford Pick-up w/1:24 H-D motorcycle Asst |
| | | 32171 | 1:25 H-D 1948 Ford F-1 Pick-up w/ 1:24 H-D 1948 FL PANHEAD motorcycle |



Test Report

Number: GZHH0032857901S1

Tests Conducted

Appendix

| | | | |
|------------------|---|-------|---|
| Applicant's Ref. | : | 32172 | 1:27 H-D 1999 Ford F-350 Pick-up w/ 1:24 H-D 1936 EL Knucklehead motorcycle |
| | | 32182 | 1:27 H-D 2010 Ford F-150 STX w/ 1:24 H-D 2007 XL 1200N Nightster motorcycle |
| | | 32185 | 1:25 H-D 1948 Ford F-1 Pickup w/ 1:24 H-D 1942 WLA Flathead motorcycle |
| | | 32186 | 1:27 H-D 1999 Ford F-350 Pickup w/ 1:24 H-D 2004 FLHTPI Electra Glide Police motorcycle |
| | | 32188 | 1:24 H-D 2015 Ford Mustang GT |
| | | 32191 | 1:25 H-D 1948 Ford F-1 Pickup w/ 1:24 H-D 1936 EL Knucklehead motorcycle |
| | | 32193 | 1:24 H-D 1970 Chevrolet Corvette |
| | | 32194 | 1:25 H-D 1950 Chevrolet 3100 Pickup w/ 1:24 H-D 2001 FLSTS Heritage Springer motorcycle |
| | | 34160 | 1:24 Harley Davidson Ford Mustang bulk pack in tray |
| | | 34161 | 1:24 HD Ford Pick-up w/o motorcycle 4 pk in open tray |
| | | 32173 | 1:27 H-D 2010 Ford F-150 STX w/ 1:24 H-D 1958 FLH DUO GLIDE motorcycle |
| | | 32175 | 1:24 H-D 1929 Ford Model A |
| | | 32180 | 1:25 H-D 1948 Ford F-1 Pickup w/ 1:24 H-D 1958 FLH Duo Glide motorcycle |
| | | 32181 | 1:27 H-D 1999 Ford F-350 Pick-up w/ 1:24 H-D 2002 FXSTB Night Train motorcycle |



Test Report

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Tests Conducted



End of report

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

Ref: FC-190 (1453)
Date: Sep 11, 2019

Re : Report Revision Notification

Intertek Testing Services Report Number GZHH0032857901 Dated Jun 29, 2019

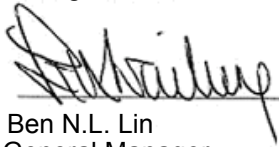
Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now supersede by a revised Intertek Testing Services Report, GZHH0032857901S1

Details of report amendment:

1. Add applicant's Ref. information as per client's request.

Thank you for your attention.

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



Ben N.L. Lin
General Manager

