

**Test Report**

Number: GZHH00176090S1

Applicant: DOUBLE EAGLE INDUSTRY (CHINA)LIMITED  
XINGDA INDUSTRIAL PARK, CHENGHAI,  
SHANTOU CITY, GUANGDONG PROVINCE,  
CHINA

Date: Jun 29, 2015

*This is to supersede Report No. GZHH00176090 dated Jun 22, 2015*

Sample Description:

Three (3) styles of submitted sample said to be :  
Item Name : **Remote Control Car Series**  
Labelled Age Group : "3+"  
Applicant Specified Age :  
Grading for Testing : Over 3 years  
Packaging Provided by Applicant : Yes  
Country of Origin : China



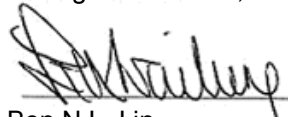
Tests conducted:

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

Conclusion:

Tested Samples	Standard	Result
Submitted samples	EN71-1:2014 for mechanical and physical properties	Pass
	EN71 Part 2 : 2011+A1:2014 Flammability test	Pass
Tested components of submitted samples	EN71-3:2013+A1:2014 for migration of certain elements	Pass

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

  
Ben N.L. Lin  
General Manager



Tests Conducted

1 Physical and Mechanical Tests

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

The submitted samples were undergone the following abuse tests:		
<u>Test</u>	<u>Clause</u>	<u>Parameter</u>
Drop test	8.5	850 mm x 5 times
Impact test	8.7	1 kg

<u>Clause</u>	<u>Testing Items</u>	<u>Assessment</u>
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	P
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	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	P
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	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





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Clause	Testing Items	Assessment
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P/#
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inlineskates and skateboards	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

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.
- Importer's address was on the packaging.
- Product identification code was on the packaging.
- CE marking was on the packaging.

Date sample received: May 27, 2015 & Jun 11, 2015

Testing period: May 27, 2015 to Jun 17, 2015

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: May 27, 2015

Testing period: May 27, 2015 to Jun 04, 2015

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Tests Conducted

3 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2013+A1:2014 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Limit (mg/kg)
	(1)	(5)to(8)	(9)	(10)to(19)	
Aluminium (Al)	< 300	< 300	< 300	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	<10	<10	<10	<10	460
Chromium (VI) (Cr VI) **	< 0.1	< 0.1	< 0.1	< 0.1	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	18	< 10	180000
Organic tin **	< 2.0	< 2.0	7.7 <sup>Δ</sup>	< 2.0	12
Zinc (Zn)	< 100	< 100	< 100	< 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.

- As per General Court of the European Union Judgment in Case T-198/12 dated 14 May 2014, the General Court confirmed that Germany could maintain its limit value for Lead(Pb)(90mg/kg) in toys but not for Antimony (Sb), Arsenic (As), Mercury (Hg) and Barium (Ba).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation.

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Tests Conducted

Tested Components:

- (1) Black coating on plastic (window, grille of truck, remote control, seat of truck) (sample weight: 57mg).
- (2) @Transparent plastic label with inaccessible coatings (logo of truck, remote control).
- (3) @Bright silver color coating on plastic (logo of truck).
- (4) @Semi-transparent red coating on plastic (taillight of truck).
- (5) Orange plastic (body of truck, body, battery cover, button of remote control).
- (6) Transparent plastic (headlight, taillight of truck).
- (7) Black plastic (chassis, battery cover, logo, funnel, holder of light of truck, rocker of remote control).
- (8) Transparent orange plastic (top light of truck).
- (9) Bright black plastic (outside mirror of truck).
- (10) Grey plastic (tank, wheel of truck).
- (11) Grey-white plastic (tank of truck).
- (12) White paper label with transparent plastic film and inaccessible coatings (sticker of truck, remote control) (sample weight: 36mg).
- (13) Black plastic (tire of truck).
- (14) White plastic (direction adjustment, connector of truck).
- (15) Black plastic (switch of truck, remote control) (sample weight: 84mg).
- (16) White plastic (button of remote control).
- (17) Transparent red plastic (LED of remote control) (sample weight: 35mg).
- (18) Brown plastic (wood).
- (19) Grey string (fastener).
- (20) @Silver color coating on plastic (logo of truck, body of remote control)

@: 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: May 27, 2015  
Testing period: May 27, 2015 to Jun 03, 2015

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Appendix

Reference No. : E510-003、E511-003、E512-003、E516-003、E517-003、E518-003、  
 E519-003、E520-003、E521-003、E522-003、E523-001、E523-003、  
 E524-001、E524-003、E525-003、E526-001、E526-003、E527-003、  
 E528-003、E529-001、E529-003、E560-003、E561-003、E562-003、  
 E563-003、E564-003、E565-003、E566-003、E567-003、E568-003、  
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 E596-003、E597-003、E598-003、E599-003、E220-003、E221-003、  
 E223-003、E226-003、E227-003、E228-003

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End of report

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To: DOUBLE EAGLE INDUSTRY (CHINA)LIMITED

Ref: FC-150 (1062)

Date: Jun 29, 2015

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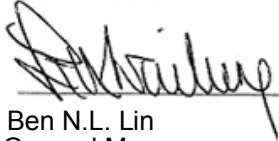
Re : Report Revision Notification

Intertek Testing Services Report Number GZHH00176090 Dated Jun 22, 2015

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, GZHH00176090S1

Thank you for your attention.

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



Ben N.L. Lin  
General Manager