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Test Report

NUMBER : TSNH00523331-S2

Applicant : Hebei Qiweiduo Childrens Toys Co.,Ltd.
South of Xingye Street,Economic Development Zone,Guangzong
County,Xingtai City,Hebei Province
Attn : Wang Qi

Date : May 19,2025
This is to supersede report TSNH00523331-S1 dated Mar 21,2025

Photo:

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To be continued

Authorized By :
For Intertek Testing Services
(Tianjin) Ltd.

David Zhang
Asst.General Manager

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Sample Description:
One (1) submitted sample said to be
Item Name : childrens electric car
Style No. : QWD-918,QWD-801,QWD-808,QWD-008,QWD-5188,QWD-6188,QWD-918,QWD-999,QWD-801,QWD-808,QWD-1619,QWD-002,QWD-003,QWD-006

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

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Conclusion：

Tested Samples/components	Standard	Result
Submitted Samples	EN 71-1: 2014+ A1: 2018 for Mechanical And Physical Properties	Pass
Submitted samples	EN 71-2: 2020 Flammability test	Pass
Submitted Samples	EN IEC 62115:2020+A11:2020- Safety of Electric Toys Excluding Clause	Pass
(1),(2),(3),(4),(5),(6),(7),(8),(9),(10),(11),(12),(13),(14),(15)	EN 71-3:2019+A1:2021 on migration of certain elements	Pass
(1)	Polycyclic Aromatic Hydrocarbons (PAHs) content in Annex XVII Item 50 of the REACH Regulation (EC) No. 1907/2006 & amendment (EU) No. 1272/2013	Pass
(2)	Phthalates content requirement in Annex XVII Item 51of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 (formerly known as Directive 2005/84/EC)	Pass
(2)	Phthalates content requirement in Annex XVII Items 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 (formerly known as Directive 2005/84/EC)	Pass

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1. Mechanical and Physical Test

As Per European Standard on Safety of Toys EN 71-1: 2014+ A1: 2018.

Appropriate Age Group for Testing: From 3 to 8 years

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	P
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	P
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	P
4.21	Toys containing a 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

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Clause	Testing Items	Assessment
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
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, inline skates and skateboards and certain other ride-on toys	P#
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
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

Abbreviation： P = Pass **F = Fail** NA = Not Applicable

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= Only artwork of labeling, packging and instructions was provided for review.

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN 71 but are not standard requirements:

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.

After checking, it was found that:

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

2.Flammability Test

As per European Standard on Safety of Toys EN 71-2: 2020

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 F = Fail NA = Not applicable

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To be continued

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3.Safety of Electric Toys

As per European Standard on Safety of Electric Toys EN IEC 62115:2020+A11:2020

Applicant's Specified Age Group for Testing: From 3 to 8 years

Battery Type: __6__ V, __3-FM-4___size x __2__ pcs

Transformer / Charger Type: Input _110V-240V_ V A.C., Output __12__V A.C. /D.C. (Provided)

Normal Use Operation: ___DC motor drive___

Clause	Requirement	Assessment
1	Scope	--
2	Normative reference	--
3	Term and definitions	--
4	General requirement	--
5	General conditions for test	--
6	Criteria for reduced testing	NA
6.1	General	--
6.2	Short-circuit resistance	NA
6.3	Low power electric toys	NA
6.4	Battery circuits	NA
7	Marking and instructions	P
7.1	General	--
7.2	Marking on electric toys	P
7.2.1	Identification	P
7.2.2	Electric toys with replaceable batteries	NA
7.2.3	Transformer toys and power supply toys	NA
7.2.4	Electric toys with more than one power supply	NA
7.2.5	Electric toys with detachable lamps	NA
7.2.6	Symbols	P
7.2.7	Durability	P
7.3	Instructions and markings on packaging	P
7.3.1	General	P
7.3.2	Transformer toys and power supply toys	P
7.3.3	Electric toys that are used with replaceable batteries	NA
7.3.3.1	General	P
7.3.3.2	Coin batteries	NA
7.3.3.3	Button batteries	NA
7.4	Instructions for electric toys that can be connected to class I equipment	NA
7.5	Instructions for ride-on electric toys	P
7.6	Temperature warnings	P
8	Power input	NA
9	Heating and abnormal operation	P
9.1	General	--
9.2	Test condition	--
9.3	Normal operation	P
9.4	Normal operation with insulation short-circuited	P

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Clause	Requirement	Assessment
9.5	Abnormal operation with temperature controls made inoperable	P
9.6	With accessible moving parts locked	P
9.7	Additional transformers and power supplies	NA
9.8	Abnormal supply to electric toys via a USB connection.	NA
9.9	Fault condition in electronic circuits	P
9.10	Compliance criteria	P
10	Electric strength	P
10.1	Electric strength at operating temperature	P
10.2	Electric strength under humid conditions	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	NA
12	Mechanical strength	P
12.1	Enclosures	P
12.2	Attachment strength	P
13	Construction	P
13.1	Nominal supply voltage	P
13.2	Transformers, power supplies and battery chargers	NA
13.3	Thermal cut-outs.	P
13.4	Batteries	NA
13.4.1	Small batteries	NA
13.4.2	Other batteries	NA
13.4.3	Electrolyte leakage	P
13.4.4	Electric toys placed above a child	NA
13.4.5	Parallel connection of batteries	P
13.4.6	Battery compartment fasteners	P
13.5	Plug and sockets	P
13.6	Charging batteries	P
13.7	Series motors	NA
13.8	Working voltage	P
13.9	Electric toys connecting to other equipment.	NA
13.10	Speed limitation of ride-on electric toys	P
14	Protection of cords and wires	P
14.1	Edges and moving parts	P
14.2	Fixed parts	P
15	Components	P
15.1.1	General	P
15.1.2	Switches and automatic controls	NA See remark(2)
15.1.3	Other components	NA See remark(2)
15.2	Prohibited components	NA
15.3	Transformers and power supplies	NA See remark(2)
15.4	Battery chargers	P See remark(2)
15.5	Batteries	P See remark(7)
16	Screws and connections	P
16.1	Fixings	P
16.2	Connections	P
17	Clearances and creepage distances	P

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Clause	Requirement	Assessment
18	Resistance to heat and fire	P
18.1	Resistance to heat	NA
18.2	Resistance to fire	P
18.2.1	General	P
18.2.2	Non-metallic parts	P See remark(2)
18.2.3	Insulating material	NA
19	Radiation and similar hazards	NA
19.1	General	NA
19.2	Optical radiation Toys incorporating lasers and or light emitting diodes (LED) or UV emitting lamps shall comply with Annex E. Electric toys incorporating LEDs shall comply with 19.E.2. Electric toys incorporating lasers shall comply with 19.E.3 Electric toys incorporating UV-emitting lamps shall comply with 19.E.4	NA See remark(9)
19.3	Other electromagnetic radiation Electric toys with an integrated field source that may produce harmful electromagnetic radiation Measurements methods are given in Annex I.	NA See remark(10)
Annex A	Experimental sets	NA
Annex B	Needle-flame test	NA
Annex C	Automatic controls and switches	NA
Annex D	Electric toys with protective electronic circuits	NA
Annex E	Safety of electric toys incorporating optical radiation sources	NA
Annex F	Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys	NA
Annex G	Examples of calculations on LEDs	NA
Annex H	Explanation of the principles used for the requirements of Annex E	NA
Annex I	Electric toys generationg electromagnetic fields (EMF)	NA
Annex J	Safety of remote controls for electric ride-on toys	NA
Annex K	Flow charts showing the application of Clause 9	P

Abbreviation : P = Pass F = Fail A = Applicable NA = Not Applicable

Remark:

(1) As requested by the applicant, Clause were not assessed.

(2) Components shall comply with the safety requirements specified in the relevant IEC standards as far
as they reasonably apply.

(3) As requested by the applicant, Clause 7 marking and instructions was not assessed
As the submitted sample is not a toy, Clause 7 marking and instructions was not assessed. Only the English version of the marking and instructions were assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.

(4) As requested by the applicant, Annex C was not assessed.

(5) Applicant needs to ensure that transformers and power supplies for toys shall comply with IEC 61558-2-7 and IEC 61558-2-16,

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(6) Applicant needs to ensure that battery charger for toys shall comply with IEC 60335-2-29:2016 and Annex AA of that standard.

(7) Applicant needs to ensure that the primary batteries supplied with electric toys shall comply with the relevant parts of the IEC 60086 series, secondary batteries supplied with electric toys shall comply with IEC 62133

(8) Parts for which the glow-wire test cannot be carried out, such as those made of soft or foamy material, shall meet the requirements specified in ISO 9772 for category HBF material, the test sample being no thicker than the relevant part.

(9) This report does not include test result of Annex E.

(10) As requested by the applicant, Annex I toys generating Electromagnetic Fields (EMF) was not assessed.

(11) As requested by the applicant, Annex D was not assessed.

(12) As requested by the applicant, Annex J was not assessed.

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4.19 Toxic Element Migration Test

(A) Test Result

As per EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg) Tested Component					Detection Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)	(3)	(4)	(5)		
Aluminium (Al)	ND	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	18	10	47
Barium (Ba)	ND	ND	ND	ND	12	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) ++	ND	ND	ND	ND	62	10	460
Chromium (VI) (Cr VI)	ND#	ND#	ND#	ND#	ND#	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	207	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	80	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin ++	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	142	100	46000

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Element	Result (mg/kg) Tested Component					Detection Limit (mg/kg)	Limit (mg/kg)
	(6)	(7)	(8)	(9)	(10)		
Aluminium (Al)	ND	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) ++	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND#	ND#	ND#	ND#	ND#	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin ++	ND	NDΔ	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	100	46000

Element	Result (mg/kg) Tested Component					Detection Limit (mg/kg)	Limit (mg/kg)
	(11)	(12)	(13)	(14)	(15)		
Aluminium (Al)	ND	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) ++	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND#	ND#	ND#	ND#	ND#	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	11	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	2.5	180000
Organic tin ++	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	100	46000

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Remark : mg/kg = milligram per kilogram
++ = Unless the test results were marked with "#" or "∆", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

- Organic tin test result was expressed as tributyl tin.
ND = Not detected (less than detection limit)
* **= Exceeded limit**
^ = screening result exceeded the Organic tin limit, confirmation test would be suggested.
# = Confirmation of Chromium (VI) test was performed on the tested component.

∆ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, 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. Other Organic tin compounds may be also be present in sample as stated in EN 71-3:2019+A1:2021.

(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).

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Test Report

NUMBER : TSNH00523331-S2

5.Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2019:01 PAK, by solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Toy for children :

Compound	Result (mg/kg) (1)	Requirement (mg/kg) (Max.)
Benzo(a)pyrene	ND	0.5
Benzo(e)pyrene	ND	0.5
Benzo(a)anthracene	ND	0.5
Chrysene	ND	0.5
Benzo(b)fluoranthene	ND	0.5
Benzo(j)fluoranthene	ND	0.5
Benzo(k)fluoranthene	ND	0.5
Dibenzo(a,h)anthracene	ND	0.5

Remark ： The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) No.1907/2006
& amendment (EU) No. 1272/2013 for Polycyclic Aromatic Hydrocarbons (PAHs).

ND = Not Detected
Detection limit = 0.2 mg/kg

Tested components：See component list in the last section of this report.

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To be continued

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6.Phthalate Content

With reference to ISO 8124-6: 2018 method A or C, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Tested Compound	CAS No.	Result (%,w/w)	Limit (%,w/w)
		(2)	(Max.)
Dibutyl phthalate (DBP)	84-74-2	ND	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	0.1

The above limit was quoted according to Annex XVII Item 51of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009& Amendment Commission Regulation (EU) 2018/2005 for phthalate content in articles.

Remark：Detection Limit = 0.01%(w/w)
ND = Not Detected

Tested Components： See component list in the last section of this report.

7.Phthalate Content

With reference to ISO 8124-6: 2018 method A or C, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Tested Compound	CAS No.	Result (%,w/w)	Limit (%,w/w)
		(2)	(Max.)
Di-n-octyl phthalate (DnOP)	117-84-0	ND	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	-
Sum of DINP, DNOP and DIDP	--	ND	0.1

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

Remark：Detection Limit = 0.01%(w/w)
ND = Not Detected

Tested Components： See component list in the last section of this report.

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To be continued

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Tested Components：

(1) black plastic of sample used.(body)
(2) red plastic of sample used.(body)
(3) red plastic with white painting of sample used.(power button)
(4) black plastic of sample used.(steering wheel)
(5) black coating of sample used.(axle)
(6) multicolor sticker of sample used.(body)
(7) black/white sticker of sample used.(panel)
(8) black plastic of sample used.(tyre)
(9) black plastic of sample used.(seat belt buckle)
(10) black fabric of sample used.(seat belt)
(11) white plastic of sample used.(remote control)
(12) black plastic of sample used.(charger)
(13) red plastic of sample used.(rear light)
(14) transparent plastic of sample used.(front light)
(15) silvery plastic of sample used.(rear exhaust pipe)

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The following pictures are provided by customers. They have not been tested and are for reference only.





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Test Report

NUMBER : TSNH00523331-S2

Date Sample Received : Nov 21,2024
Testing Period : Nov 21,2024 to Dec 06,2024
Re : Report revision notification

Report number TSNH00523331-S1 Dated Mar 21, 2025

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised report, number TSNH00523331-S2, issued on May 19, 2025.

Thank you for your attention.

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End of report

Intertek Testing Service (Tianjin) Ltd.
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