

TEST REPORT

Applicant: GUANGDONG HUINA MODEL CO LTD
NO 9 XIN XING FIVE ROAD
XIN NING CHENGHAI DISTRICT
SHANTOU CITY
GUANGDONG PROVINCE
CHINA 515800

Number: HKGH02606397

Date: Aug 18, 2020

Submitted sample said to be :
Item Name : **Truck.**
Item No. : **1310,1320,1330,1340,1350,1360,1370,1380,1390,
1331,1332,1333,1334,1335,1336,1337,1338,1339,
1510,1520,1530,1540,1550,1560,1570,1580,1590,
1511,1512,1513,1514,1515,1516,1517,1518,1519,
1521,1522,1523,1524,1525,1526,1527,1528,1529,
1531,1532,1533,1534,1535,1536,1537,1538,1539,
1551,1552,1553,1554,1555,1556,1557,1558,1559,
1561,1562,1563,1564,1565,1566,1567,1568,1569,
1571,1572,1573,1574,1575,1576,1577,1578,1579,
1581,1582,1583,1584,1585,1586,1587,1588,1589,
1591,1592,1593,1594,1595,1596,1597,1598,1599.**

Labelled Age Group : 8+.
Packaging Provided : Yes.
Country of Origin : China.
Quantity : 2 Sets.

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

<u>Requirement</u>	<u>Result</u>
(1) EN IEC 62115:2020+A11:2020 Safety of electric toys excluding Clause(s) 15.5	Pass (Subjected to remark enclosed)
(2) The measured emission level of the apparatus did not exceed the accessible emission limit according to EN IEC 62115: 2020 + A11: 2020, Annex E	

For and on behalf of :
Intertek Testing Services HK Ltd.



Cindy I.K. Chan
Vice President



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(1) Safety of Electric Toys

Test Standard : European Standard EN IEC 62115:2020+A11:2020 on Safety of electric toys

Age group for testing : For Ages Over 3 Years

Power source

Controller : 3V, LR6 size x 2 pcs

Truck : 7.2V; 400 mAh, NiCd rechargeable battery x 1 pack , charged by USB 5VDC on PC

Included battery : Yes (Rechargeable battery x 1 pack)

Operated function : Battery powered sound, light and motion

Clause	Requirement	Assessment
1	Scope	--
2	Normative references	--
3	Terms and definitions	--
4	General requirement	--
5	General conditions for tests	P
5.1	General Ambient temperature: 20°C ± 5°C	--
5.2	Preconditioning	A
5.3	Assembly	NA
5.4	Movable parts	A
5.5	Detachable parts	NA
5.6	Settings	A
5.7	Selection of power supplies	A
	Carried out with one or more batteries reversed	P
5.8	Accessory and parts	NA
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	P
7.2	Marking on electric toys	P
7.3	Instructions and markings on packaging	P
7.4	Instructions for electric toys that can be connected to class I equipment	NA
7.5	Instructions for ride-on electric toys	NA



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Clause	Requirement	Assessment
7.6	Temperature warnings	NA
8	Power input	NA
9	Heating and abnormal operation	P
9.1	General	P
9.2	Test condition	--
9.3	Normal operation	P
9.4	Normal operation with insulation short-circuited	P
9.5	Abnormal operation with temperature controls made inoperable	NA
9.6	Electric toys 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
	To be used with liquid and electric toys intended to filled from a tap	NA
	To be cleaned with liquid	NA
	To be used in water	NA
12	Mechanical strength	P
12.1	Enclosures	P
12.2	Attachment strength	NA
13	Construction	P
13.1	Nominal supply voltage	P
13.2	Transformers, power supplies and battery chargers	NA
13.3	Thermal cut-outs	NA
13.4	Batteries	P
13.5	Plug and sockets	P
13.6	Charging batteries	NA
13.7	Series motors	NA
13.8	Working voltage	NA
13.9	Electric toys connecting to other equipment	NA
13.10	Speed limitation of ride-on electric toys	NA
14	Protection of cords and wires	P
14.1	Edges and moving parts	P
14.2	Fixed parts	NA
15	Components	P



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Clause	Requirement	Assessment
15.1.1	General	P
15.1.2	Switches and automatic controls	NA
15.1.3	Other components	P
15.2	Prohibited components	P
15.3	Transformers and power supplies	NA
15.4	Battery chargers	NA
15.5	Batteries	NC
	Supplied primary batteries comply with the relevant parts of the IEC 60086 series	NA
	Supplied secondary batteries comply with IEC 62133	NC #1
16	Screws and connections	P
16.1	Fixings	P
16.2	Connections	NA
17	Clearances and creepage distances	P
18	Resistance to heat and fire	P
18.1	Resistance to heat	NA
18.2	Resistance to fire	P
19	Radiation and similar hazards	--
19.1	General	--
19.2	Optical radiation (In Annex E)	--
19.3	Other electromagnetic radiation (In Annex I)	NA
Annex A	Experimental sets	NA
Annex B	Needle flame test	NA
Annex C	Automatic controls and switches	NA
C.1	Automatic controls	NA
C.2	Switches	NA
Annex D	Electric toys with protective electronic circuits	NA
D.1	General	NA
D.2	Dangerous malfunction	NA
D.2.1	General	NA
D.2.2	Electrostatic discharges	NA
D.2.3	Radiated fields	NA
D.2.4	Transient bursts	NA
D.2.5	Voltage surges	NA
D.2.6	Injected current	NA
D.2.7	Voltage dips and interruptions	NA
D.2.8	Mains signals	NA



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Clause	Requirement	Assessment
Annex E	Safety of electric toys incorporating optical radiation sources	--
	19.E.2 - 19.E.4 Radiation Hazard	#2
	19.E.5 Modulated accessible emission warning	NA
Annex F	Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys	--
Annex G	Examples of calculations on LEDs	--
Annex H	Explanation of the principles used for the requirements of Annex E	--
Annex I	Electric toys generating 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	--

Abbreviation : P = Pass A = Applicable NA = Not Applicable NC = Not conducted

Remark(s):

#1 = As requested by the applicant, the Clause 15.5 was not assessed.
Secondary batteries supplied with electric toys shall comply with IEC 62133 or EN 62133 latest version.

#2 = Referred to test result in Annex E Clause 19.E.2-19.E.4.

Date sample received : Jun 19, 2020
Testing period : Jun 19, 2020 to Aug 14, 2020

(2) Optical Radiation

Test Standard : European Standard EN IEC 62115: 2020 + A11: 2020 on Safety of electric toys, Annex E

Clause	Title/Description	Result
19.E.2	Light-emitting diodes (LEDs)	Pass
19.E.3	Lasers	Not Applicable
19.E.4	UV-emitting lamps	Not Applicable
19.E.5	Modulated accessible emission	See Remark



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Table of measuring data

For Red LED used in the remote control unit (red diffused)					
Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	648nm	13.2nm	200mm	0.02mW/sr	0.76W/sr
Fault	648nm	13.2nm	200mm	0.04mW/sr	0.76W/sr

For Red LED used in the USB charger unit (water clear)					
Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal	629nm	17.2nm	200mm	0.06mW/sr	0.76W/sr
Fault	629nm	17.2nm	200mm	0.12mW/sr	0.76W/sr

Remark:

1. When determining the test conclusion, the Measurement Uncertainty of test has been considered. The decision rules are based on IEC Guide 115 with complying the relevant requirements of environment and equipment.
2. The marking requirement per clause 19.E.5 was not evaluated in this test report.
3. The test was conducted by operating the vehicle unit of apparatus at rated voltage 7.2VDC, the remote control unit of apparatus at rated voltage 3.0VDC, the USB charger unit of apparatus at rated voltage 5.0VDC.
4. The measurement was made on the LED itself.
5. 1 pc. 3mm round type red diffused Red LED is used in the remote control unit of apparatus.
6. 1 pc. SMD water clear Red LED is used in the USB charger unit of apparatus.
7. As requested by the applicant, 5mm round type water clear Bi-color LED (red, blue) used in the vehicle unit of apparatus was not assessed.

Date sample received : Jun 19, 2020
 Testing period : Jun 19, 2020 to Jun 29, 2020



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End of report

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