中国认可
国际互认
检测
TESTING
CNAS L0220

Test Report Number: GZHH00390291

Applicant: XIAOBUBU TOYS FACTORY
LONGTIAN INDUSTRIAL PARK, GUANGYI STREET ,CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

Date: Dec 31, 2020

Sample Description:

One (1) set of submitted sample said to be :

Item Name	:	**Family Toys**
Test Item No.	:	**H349A**
Applicant Specified Age Grading for Testing	:	Over 3 years
Country of Origin	:	China
Date Sample Received	:	Dec 16, 2020
Testing Period	:	Dec 16, 2020 ~ Dec 30, 2020

Tested Sample

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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:

Tested sample	Requirement	Result
Test sample	EN IEC 62115:2020+A11:2020- Safety of electric toys	Pass (Subjected to remark)
	Standard	
	EN IEC 62115:2020+A11:2020 Annex E: Safety of electric toys incorporating optical radiation sources	Pass

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Approved:

Albert Chen
Toys Lab Assistant Manager

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1 Safety of Electric Toys

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

Battery Type: 4.5 V, AA size x 3 pcs (Replaceable type)

Normal Use Operation: Batteries powered light and sound.

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	See remark(1)
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	With accessible moving parts locked	NA
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

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Clause	Requirement	Assessment
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
13.4.1	Small batteries	NA
13.4.2	Other batteries	P
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	NA
13.6	Charging batteries	P
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
15.1.1	General	NA
15.1.2	Switches and automatic controls	NA
15.1.3	Other components	NA
15.2	Prohibited components	P
15.3	Transformers and power supplies	NA
15.4	Battery chargers	NA
15.5	Batteries	NA
16	Screws and connections	P
16.1	Fixings	P
16.2	Connections	NA
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
18.2.3	Insulating material	NA
19	Radiation and similar hazards	P
19.1	General	--
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	P See remark(2)
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

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Clause	Requirement	Assessment
Annex D	Electric toys with protective electronic circuits D.1General During the tests of 9.9 an electronic circuit prevents the hazardous conditions listed in 9.10 D.2 Dangerous malfunction ☐ D.2.1 General The electric toy cause an unintended operation that may impair safety or present a dangerous malfunction due to influence from electromagnetic phenomena (EMP) ☐ D.2.2 Electrostatic discharges In accordance with IEC 61000-4-2:2008, test level 4 D.2.3 Radiated fields In accordance with IEC 61000-4-3:2006+A1:2007+A2:2010 test level 3. cover 80 MHz to 1 000 MHz and 1,4 GHz to 2,0 GHz ☐ D.2.4 Transient bursts In accordance with IEC 61000-4-4:2012. - Test level 3 with a repetition rate of 5 kHz is applicable for signal and control lines - Test level 4 with a repetition rate of 5 kHz is applicable for the power supply lines ☐ D.2.5 Voltage surges In accordance with IEC 61000-4-5:2014, - Test level 4 is applicable for the line-to-line coupling mode, a generator having a source impedance of 2 Ω being used - Test level 4 is applicable for the line-to-earth coupling mode, a generator having a source impedance of 12Ω being used ☐ D.2.6 Injected current In accordance with IEC 61000-4-6:2013 test level 3 being applicable. During the test, all frequencies between 0,15 MHz to 80 MHz are covered ☐ D.2.7 Voltage dips and interruptions Class 3 voltage dips and interruptions in accordance with IEC 61000-4-11: 2004. ☐ D.2.8 Mains signals In accordance with IEC 61000-4-13:2002/AMD2:2015, Table 11 with test level class 2 using the frequency steps according to Table 10	NA
Annex J	Safety of remote controls for electric ride-on toys	NA

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

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Tests Conducted

Remark:
(1) As requested by the applicant, the Clause 7 marking and instructions was not assessed.

(2) As requested by the applicant, only assessment the tested. And the Ø3mm water clear red LED was tested only.

2 Optical Radiation

As per European Standard on Safety of Electric Toys EN IEC 62115: 2020+A11:2020 Annex E Safety of electric toys incorporating optical radiation sources.

Applicant's specified age group for testing: Over 3 years

General product information:
Power Source: 4.5V, AA size x 3 pcs

As requested by the applicant, only assessment the tested. And the Ø3mm water clear red LED was tested only. The Ø3mm water clear red LED was shoot down at once in fault condition.

Clause	Requirement / Test result	Verdict
19.E.2	**1. For Ø3mm water clear red LED:** Measured wavelength: 629.8 nm Spectral emission bandwidth: 21.8 nm Measurement distance: 200.0mm Measured radiant intensity under normal operation: 0.0011Wsr^{-1} Limit: 0.760Wsr^{-1}	P
19.E.3	Lasers	NA
19.E.4	UV-emitting lamps	NA
19.E.5	Modulated accessible emission	NA

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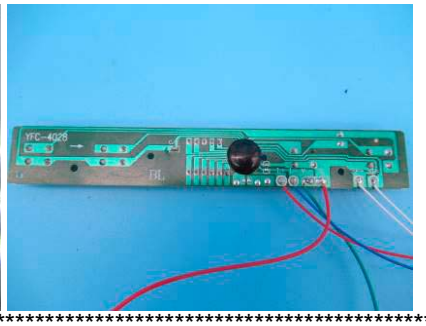
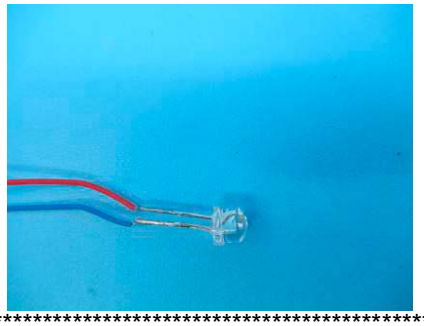
Photo:





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Reference No. : H311A，H312A，H313A，H314A，H315A，H316A，H317A，H318A，H319A，H320A，H321A，H322A，H323A，H324A，H325A，H326A，H327A，H328A，H329A，H330A，H331A，H332A，H333A，H334A，H335A，H336A，H337A，H338A，H339A，H340A，H341A，H342A，H343A，H344A，H345A，H346A，H347A，H348A，H350A，H351A，H352A，H353A，H354A，H355A，H356A，H357A，H358A，H359A，H360A，H361A，H362A，H363A，H364A，H365A，H366A，H367A，H368A，H369A，H370A，H371A，H372A，H373A，H374A，H375A，H376A，H377A，H378A，H379A，H380A，H381A，H382A，H383A，H384A，H385A，H386A，H387A，H388A，H389A，H390A

Above sample information was submitted and/or identified by the client and it was not verified by laboratory.

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Tests Conducted

Reference photo

Remark: The products in the reference photo are not tested in this report. It's declared by the applicant that they are the same series of products with the particular tested sample, just included in the report for reference.

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End of report

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