



CONSUMER PRODUCTS SERVICES DIVISION

GUANGDONG XINYU TECHNOLOGY INDUSTRIAL CO., LTD

Technical Report: (8518)089-0897

April 27, 2018

Date Received: April 21, 2018

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GUANG DONG XIN YU TECHNOLOGY INDUSTRIAL
CO LTD
LAIMEI INDUSTRIAL ZONE
CHENGHAI DISTRICT
SHANTOU
GUANGDONG

Sample Description: RC TOYS

1.) A
2.) B

Vendor: N/A

Manufacturer: N/A

Buyer: N/A

Labeled Age Grade: AGES 6+

Appropriate Age Grade: NOT REQUESTED

Client Specified Age Grade: 3+

Grade:

Tested Age Grade: OVER 3 YEARS OF AGE

UPC Code: 4895181835710

Country Of Destination: EUROPEA

Terminal voltage: 2 x 1.5 V

1 x 7.2 V

Sample Size: 2

Style No(s): 3391 (3571)

SKN/SKU No.: N/A

PO No.: N/A

Ref #: N/A

Country of Origin: CHINA

Assortment No.: N/A

Test Starting Date: APRIL 21, 2018

Test Finished Date: APRIL 27, 2018



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EXECUTIVE SUMMARY:

The sample(s) MEET the following requirement(s):

- The requirements of the tested clauses of the European Standard EN 62115: 2005 + A2: 2011 + A11: 2012 + A12: 2015, "Electric toys - Safety"

Compliance with this standard is also on condition that the toy complies with EN71 Standard

- Note: The submitted sample incorporating lasers or light emitting diodes (LED), compliance with the standard covered by this report is on condition that the lasers or light emitting diodes in toys are classified as Class 1 in accordance with IEC 60825-1 Standard under the condition specified in Annex E of EN 62115 / IEC 62115.
- Note: Components shall comply with the safety requirements specified in the relevant IEC standards as far as they reasonably apply as specified in clause 16.1

BUREAU VERITAS SHENZHEN CO., LTD.

Lung Cheong Ming, Nick
Assistant Manager
Electrical Department
Toys, Premiums & Juvenile Products Division

NL / hz

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RESULTS:

European Standard EN 62115: 2005 + A2: 2011 + A11: 2012 + A12: 2015, "Electric toys - Safety"

Clause	Parameter	Result
5.13	Electrical connection can be made as reversed polarity due to incorrect insertion.	NOT POSSIBLE
7	Marking and Instructions	M
8	Power input	NA
9	Heating and abnormal operation	M-See Remark
10	Electric strength at operating temperature	M
11	Moisture resistance	M
12	Electric strength at room temperature	M
13	Mechanical strength	M
14	Construction	M
15	Protection of cords and wires	M
16	Components	M-See Executive Summary
17	Screws and connections	M
18	Creepage distance and clearances	M
19	Resistance to heat and fire	M
20	Radiation, toxicity and similar hazards	See Executive Summary
Annex ZB	Toys with protective electronic circuit	NA
Annex ZC	Toys generating Electromagnetic Fields (EMF)	NA

M = Meet

NA = Not applicable

NM/R = Not Meet-refer to Comment Section

NR = Not requested by the client



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RESULTS:

Remark:

Clause	Parameter												
9.3	<p>The maximum temperature rises at normal operation were recorded as follows:</p> <p>Ambient Temperature (°C):23.1</p> <table><tr><th><u>Location</u></th><th><u>Temperature Rise (K)</u></th><th><u>Limit (K)</u></th></tr><tr><td>Battery Surface (Rx)</td><td>23.4</td><td>45</td></tr><tr><td>Enclosure (near motor)</td><td>16.2</td><td>50</td></tr><tr><td>Battery Surface (Tx)</td><td>1.2</td><td>45</td></tr></table>	<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>	Battery Surface (Rx)	23.4	45	Enclosure (near motor)	16.2	50	Battery Surface (Tx)	1.2	45
<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>											
Battery Surface (Rx)	23.4	45											
Enclosure (near motor)	16.2	50											
Battery Surface (Tx)	1.2	45											
9.4	<p>The maximum temperature rises at short-circuit condition were recorded as follows:</p> <p>Ambient Temperature (°C):23.2</p> <table><tr><th><u>Location</u></th><th><u>Temperature Rise (K)</u></th><th><u>Limit (K)</u></th></tr><tr><td>Battery Surface (Rx)</td><td>4.2</td><td>45</td></tr></table>	<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>	Battery Surface (Rx)	4.2	45						
<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>											
Battery Surface (Rx)	4.2	45											
9.6	<p>The maximum temperature rises at locking motor condition were recorded as follows:</p> <p>Ambient Temperature (°C):23.6</p> <table><tr><th><u>Location</u></th><th><u>Temperature Rise (K)</u></th><th><u>Limit (K)</u></th></tr><tr><td>Battery Surface (Rx)</td><td>1.4</td><td>45</td></tr><tr><td>Enclosure (near motor)</td><td>1.2</td><td>50</td></tr><tr><td>Battery Surface (Tx)</td><td>1.1</td><td>45</td></tr></table>	<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>	Battery Surface (Rx)	1.4	45	Enclosure (near motor)	1.2	50	Battery Surface (Tx)	1.1	45
<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>											
Battery Surface (Rx)	1.4	45											
Enclosure (near motor)	1.2	50											
Battery Surface (Tx)	1.1	45											
9.8.2&9.9	<p>The maximum temperature rises at fault condition were recorded as follows:</p> <p>Ambient Temperature (°C):23.2</p> <table><tr><th><u>Location</u></th><th><u>Temperature Rise (K)</u></th><th><u>Limit (K)</u></th></tr><tr><td>Battery Surface (Rx)</td><td>5.6</td><td>45</td></tr><tr><td>Enclosure (near motor)</td><td>1.4</td><td>50</td></tr><tr><td>Battery Surface (Tx)</td><td>0.8</td><td>45</td></tr></table>	<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>	Battery Surface (Rx)	5.6	45	Enclosure (near motor)	1.4	50	Battery Surface (Tx)	0.8	45
<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>											
Battery Surface (Rx)	5.6	45											
Enclosure (near motor)	1.4	50											
Battery Surface (Tx)	0.8	45											



**BUREAU
VERITAS**

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RESULTS:



Sample Number

85180890897A1



Sample Number

85180890897B1

END OF REPORT