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**Notified Body No. 88/378 - 0372**

Reference Number : WSZ-2K70081EL

Report Number : SZTYR070200333/EL

Date of Issue : APR 12, 2007

**CLIENT: CHENGHAI XIONGCHENG PLASTIC TOYS CO., LTD.**

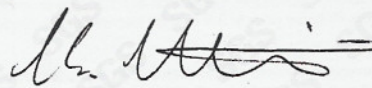
**SAMPLE DESCRIPTION : INFRARED WALK-LEARNING CAR**  
**ITEM NO. : 008-07, 008-07A, 008-16, 008-16A**

**RESULTS : SEE ATTACHED TEST REPORT**

**CONCLUSION :** The items listed were found to comply with the electrical safety requirements of EN 62115: 2005 by tests on the submitted samples and inspection of technical details submitted by the manufacturer, except:

- toxicity and similar hazards (EN 71-3)
- Lasers and LEDs that shall be classified Class 1 in accordance with IEC 60825-1.

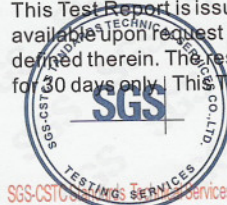
  
Lur Tat Wah, Wallace  
Sr. Lab Manager  
SGS SHENZHEN

  
K. Hutchinson  
Operations Manager  
SGS IEA

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**SZL 660914**

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CHENGHAI XIONGCHENG PLASTIC TOYS CO., LTD.  
JINGSHANDING INDUSTRIAL DISTRICT, CHENGYANGGANG,  
LIANXIA, CHENGHAI CITY, GUANGDONG

The following samples were submitted by client as:

Sample Description	: INFRARED WALK-LEARNING CAR	
Application Item Number	: 008-07, 008-07A, 008-16, 008-16A	
Test Item Number	: 008-07	
Labeled Age Grading	: 3+	
Test Age grading	: 3 YEARS AND ABOVE	
Packaging	: Gift Box	
Rating	: 4 x 1.5V "LR6" size batteries for go-cart 3 x 1.5V "189" size button cells for controller	
Sample Receiving Date	: FEB 15, 2007	Number of sample : 2
Final re-submit Date	: APR 03, 2007	Number of sample : 1
Testing Period	: FEB 15, 2007 TO APR 05, 2007	
Information Receiving Date	: APR 12, 2007	

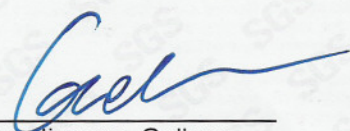
TEST REQUESTED : Test for compliance with the electric safety requirement with reference to EN 62115: 2005.

RESULTS : Please refer to the next page.

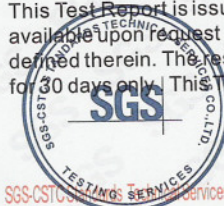
CONCLUSION : The item listed were found to comply with the electric safety requirements of standard EN 62115: 2005 by tests on the submitted samples and inspection of technical details submitted by the manufacturer, except:

- toxicity and similar hazards (EN 71-3)
- Lasers and LEDs that shall be classified Class 1 in accordance with IEC 60825-1.

Signed for and on behalf of  
SGS-CSTC Ltd.

  
Zhang Jinsong, Gellson  
Supervisor

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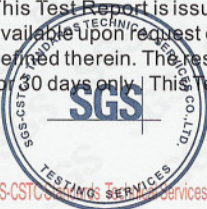
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### EN 62115 SPECIFICATION REQUIREMENTS & TEST RESULTS

<u>Clause</u>	<u>Assessment</u>	<u>Remarks</u>
1. Scope	--	
2. Normative references	--	
3. Definitions	--	
4. General requirement	--	
5. General conditions for the tests	--	
6. Selection of tests	--	
7. Marking and instructions	Pass	
8. Power input	N/A	*
9. Heating and abnormal operation	Pass	
10. Electric strength at operating temperature	Pass	
11. Moisture resistance	Pass	
12. Electric strength at room temperature	Pass	
13. Mechanical strength	Pass	
14. Construction	Pass	
15. Protection of cords and wires	Pass	
16. Components	Pass	
17. Screws and connections	Pass	
18. Creepage distances and clearances	Pass	
19. Resistance to heat and fire	Pass	
20. <sup>1</sup> Radiation hazards	N/P	*
<sup>2</sup> toxicity and similar hazards	N/P	*

\* Remark: N/A = Not Applicable  
N/P = Not Perform

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### DETAILS OF TEST RESULTS

#### Clause 6 Selection of tests

6.2 As the unit was found that the battery voltage exceeded 2.5V 1 second after a 1 ohm resistor had been connected to the terminals, clauses 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20 were applicable.

#### Clause 9 Heating and abnormal operation

9.2 The go-cart was placed on the floor of the test corner during normal and abnormal operation. The controller was freely suspended during normal and abnormal operation.

9.3 The go-cart was operated by 4 x 1.5V "LR6" size batteries (Duracell) and the controller was operated by 3 x 1.5V "189" size button cells until steady conditions were established. The maximum temperature rises were recorded as follows:

Ambient temperature ( °C ) : 20.9

<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>
<u>Go-cart</u>		
Battery surface	10.8	45
Enclosure (near PCB)	6.5	55
Enclosure (near speaker)	6.0	55
Enclosure (near motor for right wheel)	7.3	55
Enclosure (near motor for left wheel)	6.6	55
<u>Controller</u>		
Battery surface	4.9	25
Enclosure (near PCB)	1.1	35
Surface of button	1.4	35

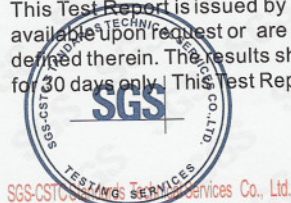
9.4 The controller was operated by 3 x 1.5V "189" size button cells with the different polarity of button cells (one) being short-circuited until steady conditions were established. The maximum temperature rises were recorded as follows:

Ambient temperature ( °C ) : 21.1

<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>
Battery surface	12.5	25

\*\*\*\*\*

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- 9.6 The go-cart was operated by 4 x 1.5V "LR6" size batteries (Duracell) and the controller was operated by 3 x 1.5V "189" size button cells with accessible moving parts (Left wheel) locked for 30 seconds. The maximum temperature rises were recorded as follows:

Ambient temperature ( °C ) : 20.6

Location	Temperature Rise (K)	Limit (K)
<u>Go-cart</u>		
Battery surface	0.4	45
Enclosure (near PCB)	0.4	55
Enclosure (near speaker)	0.9	55
Enclosure (near motor for right wheel)	0.5	55
Enclosure (near motor for left wheel)	0.6	55
<u>Controller</u>		
Battery surface	0.5	25
Enclosure (near PCB)	0.2	35
Surface of button	0.2	35

- 9.6 The go-cart was operated by 4 x 1.5V "LR6" size batteries (Duracell) and the controller was operated by 3 x 1.5V "189" size button cells with accessible moving parts (Right wheel) locked for 30 seconds. The maximum temperature rises were recorded as follows:

Ambient temperature ( °C ) : 20.7

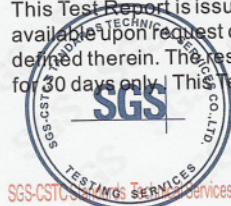
Location	Temperature Rise (K)	Limit (K)
<u>Go-cart</u>		
Battery surface	0.4	45
Enclosure (near PCB)	0.7	55
Enclosure (near speaker)	0.8	55
Enclosure (near motor for right wheel)	0.8	55
Enclosure (near motor for left wheel)	0.3	55
<u>Controller</u>		
Battery surface	0.5	25
Enclosure (near PCB)	0.1	35
Surface of button	0.4	35

- 9.8.2 This clause was not applicable since the electronic circuit was a low power circuit. Also the protection against fire hazard or dangerous malfunction in other parts of the toy did not rely on the correct function of the electronic circuit.

### Clause 16 Components

- 16.2 The submitted samples did not fit with mercury switch or thermal cut-outs which could be reset by soldering operation.

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### Clause 19 Resistance to heat and fire

19.2.1 Glow-wire test (550 °C)

#### Location / Part

#### Go-cart / Controller

The battery compartment cover  
The battery compartment

#### Result / Observation

No flame, no molten drop  
No flame, no molten drop

### Sample Photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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