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CERTIFICATE OF COMPLIANCE
SGS United Kingdom A UKAS Accredited Test House

Client Name : JIANAN TOYS FACTORY
Test Report Number : T51710210270EL
Reference Number : WSZ-UK5171210280EL
Item Number : PLEASE SEE REPORT
Sample Description : REMOTE CONTROL TOY CAR
Date of Issue : MAY 19, 2017

Applied Standards

EN 62115: 2005 + A12: 2015 Electrical Toy Safety Test*

Result

PASS

This certificate of compliance must not be used without the attached reference test report.
Denote: * Test items are accredited

Feng Shaohong, Jessica
Senior Technical Manager
SGS SHENZHEN



Zee Ellahi
Operations Manager
SGS United Kingdom Ltd.

The report attached to this certificate has been checked and approved by SGS United Kingdom Ltd who holds a copy of the relevant documentation in its office. This certificate confirms test results by another SGS entity without SGS UK Ltd having done the testing itself. This Certificate is issued by SGS UK Ltd. under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

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Shenzhen Branch Testing Center Hardlines

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JIANAN TOYS FACTORY

CHENGHAI DISTRICT, SHANTOU CITY,
GUANGDONG PROVINCE, CHINA

The following samples were submitted and identified by/on behalf of the client as:

Name of Product/Item : REMOTE CONTROL TOY CAR
Item No. : 389-1, 389-2, 389-3, 389-4, 389-5, 389-6, 389-7, 389-8, 389-9, 389-10, 389-11,
389-12, 389-13, 389-14, 389-15, 389-16, 389-17, 389-18, 389-19, 389-20,
389-21, 389-22, 389-23, 389-24, 389-25, 389-26, 389-27, 389-28, 389-29,
389-30, 389-31, 389-32, 389-33, 389-34, 389-35, 389-36, 389-37, 389-38,
389-39, 389-40, 389-41, 389-42, 389-43, 389-44, 389-45, 389-46, 389-47,
389-48, 389-49, 389-50, 389-51, 389-52, 389-53, 389-54, 389-55, 389-56,
389-57, 389-58, 389-59, 389-60, 389-61, 389-62, 389-63, 389-64, 389-65,
389-66, 389-67, 389-68, 389-69, 389-70, 389-71, 389-72, 389-73, 389-74,
389-75, 389-76, 389-77, 389-78, 389-79, 389-80

Remark: It's declared by applicant that electrical circuit design, layout, components used and internal wiring of above items of products are identical to the particular tested sample.

Test Item No. : 389-1
Labeled Age Grading : 3+
Request Age Grading : 3+
Assessed Age Grading : 3 YEARS AND ABOVE
Packaging : Poly Bag
Rating : 4 x 1.5V "LR6" size batteries for car
2 x 1.5V "LR6" size batteries for controller
Date of receipt : APR 27, 2017 Number of sample : 4
Date of sample first resubmit : MAY 17, 2017 Number of sample : 1
Testing Period : APR 27, 2017 TO MAY 18, 2017



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Test Requested		Conclusion
1.	Test for compliance with the electric toys safety requirement with reference to EN 62115: 2005 + A12: 2015.	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. Shenzhen Branch Testing Center

Xiao Yongbo, Spring
Supervisor
CNAS Approved Signatory



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EN 62115 SPECIFICATION REQUIREMENTS & TEST RESULTS

Clause	Assessment	Remarks
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	1)
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. Toys incorporating lasers and or light emitting diodes	N/A	2)
Other Radiation, Toxicity and similar hazards	--	3)
Toys with an integrated field source shall comply with Annex ZC	N/A	4)

N/A = Not Applicable

- Remark 1): According to the standard, instruction and other texts required by the standard should be written in the official language(s) of the country in which the product is to be sold.
- Remark 2): The submitted sample did not incorporate any laser or LED.
- Remark 3): It is the manufacturer's responsibility to ensure the toy does not emit harmful radiation or present a toxic or similar hazard due to their operation in normal use.
- Remark 4) The submitted sample did not incorporate part which consuming a current more than 3A.



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DETAILS OF TEST RESULTS

Clause 6 Criteria for reduced testing

6.2 The car was not under the exemption conditions stated in this clause, therefore, clauses 7, 9 to 20 shall be applicable to be tested.

6.2 The controller was under the exemption conditions stated in this clause, therefore, only clauses 7, 9, 11.1, 13, 14, 15.2, 16, 17.1, 18 and 20 shall be applicable to be tested.

Clause 9 Heating and abnormal operation

9.1 No electronic protective circuit prevent the hazardous conditions listed in 9.9 or dangerous malfunction during the tests of 9.8.

9.2 The car 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 car was operated by 4 x 1.5V "LR6" size batteries (Duracell) and the controller was operated by 2 x 1.5V "LR6" size batteries (Duracell) until steady conditions were established. The maximum temperature rises were recorded as follows:

Ambient temperature (°C) : 19.0-20.1

<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>
<u>Car</u>		
Battery surface	4.9	33
Enclosure (near PCB)	2.2	50
Enclosure (near motor for rear wheel)	6.9	50
Enclosure (near motor for front wheel)	1.3	50

Controller

Battery surface	1.4	45
Enclosure (near PCB)	0.4	50

9.6 The car was operated by 4 x 1.5V "LR6" size batteries (Duracell) with accessible moving parts (front wheel) locked for 30 seconds. The maximum temperature rises were recorded as follows:

Ambient temperature (°C) : 20.2-21.1

<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>
Battery surface	1.5	33
Enclosure (near PCB)	0.6	50
Enclosure (near motor for rear wheel)	1.3	50
Enclosure (near motor for front wheel)	1.0	50



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9.6 The car was operated by 4 x 1.5V “LR6” size batteries (Duracell) with accessible moving parts (rear wheel) locked for 30 seconds. The maximum temperature rises were recorded as follows:

Ambient temperature (°C) : 21.3-21.6

<u>Location</u>	<u>Temperature Rise (K)</u>	<u>Limit (K)</u>
Battery surface	0.7	33
Enclosure (near PCB)	0.7	50
Enclosure (near motor for rear wheel)	0.8	50
Enclosure (near motor for front wheel)	0.5	50

9.8 The unit was evaluated and found to comply with the relevant requirement.

Clause 16 Components

16.2 The sample tested was not fitted with a mercury switch or thermal cut-out which could be reset by a soldering operation.

Clause 19 Resistance to heat and fire

19.2.1 Glow-wire test (550 °C) in accordance with IEC 60695-2-11

<u>Location / Part</u>	<u>Result / Observation</u>
<u>Car</u>	
The battery compartment cover	No flame, no molten drop
The battery compartment	No flame, no molten drop



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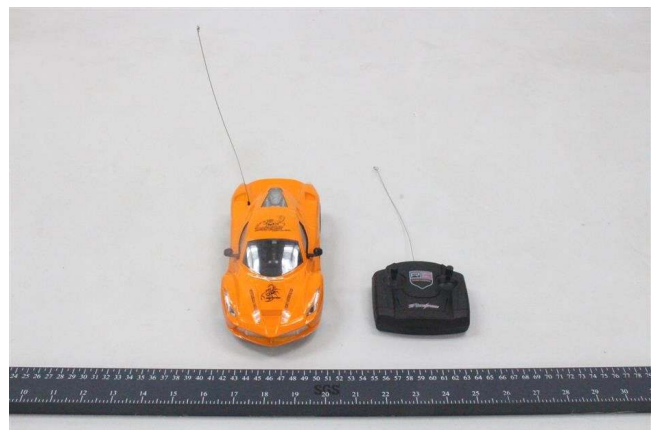
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Sample Photo:

Submitted samples

Attention! Only selected sample(s) was (were) tested, Detail(s) is (are) listed in the specimen description in result page(s).



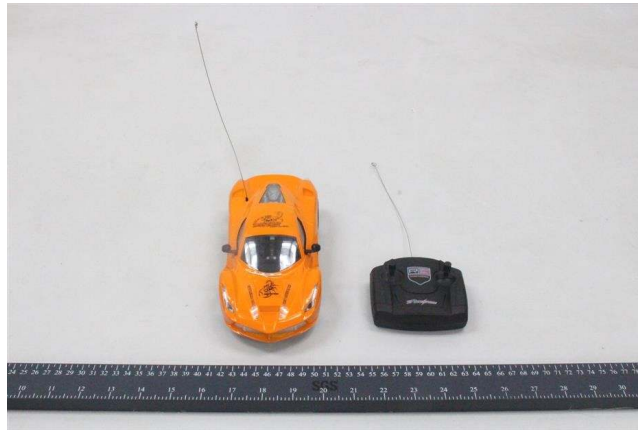
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Submitted samples with test



SGS authenticate the photo on original report only

*** End of Report ***

