



中国认可  
国际互认  
检测  
TESTING  
CNAS L5950



# Test Report

No.:SPF250300676

Date:Dec 23, 2025

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Shantou Chenghai DeFa Plastic Toys Industry Co., Ltd.

CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

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

Sample Name: Toy series  
 Item No.: See next page  
 Applicant's Specified Age Grade: 3+  
 Age Group Applied in Testing: 3+  
 Sample received date: Dec 04, 2025  
 Testing period: From Dec 04, 2025 to Dec 13, 2025

Test conclusion:

Summary	Result
Electric toys - safety EN IEC 62115: 2020+A11:2020	Pass

Tested by :

*Wendy*

Zhang WenXia, Wendy

Inspected by :

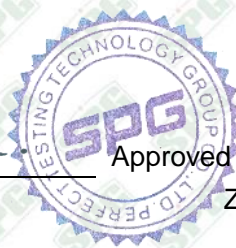
*Lin*

Lin JiaSheng, Lin

Approved by :

*Jee*

Zhang Feng, Jee  
Lab Manager



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Item No.	591, 591A, 880, 880B, 880A, 6003, 861, 861B, 6009, 6009A, 6007, 6007A, 6010, 6010A, 6015, 6015A, 6018, 6018A, 6019, 6019A, 8802, 6020, 6020A, 6021, 6021A, 6022, 6022A, 6025, 6025A, 6026, 6026A, 6028, 6028A, 6029, 6029A, 6030, 6030A, 6031, 6031A, 6032, 6032A, 6033, 6033A, 6035, 6035A, 6036, 6036A, 6038, 6038A, 6039, 6039A, 6050, 6050A, 6051, 6051A, 6052, 6052A, 6053, 6053A, 6055, 6055A, 6056, 6056A, 6058, 6058A, 6059, 6059A, 6060, 6060A, 6061, 6061A, 6062, 6062A, 6063, 6063A, 6065, 6065A, 8200, 8200A, 8201, 8201A, 8202, 8202A, 8203, 8203A, 8205, 8205A, 8206, 8206A, 8207, 8207A, 8208, 8208A, 8209, 8209A, 8216, 8216A, 8216-1, 8216A-1, 8218, 8218A, 8219, 8219A, 8212, 8211, 8220, 8220A, 8221, 8221A, 8222, 8222A, 8223, 8223A, 8225, 8225A, 8226, 8226A, 8228, 8228A, 8229, 8229A, 8230, 8230A, 8231, 8231A, 8232, 8232A, 8233, 8233A, 8217, 8217A, 8213, 8213A, 8215, 8215A, 6066, 6066A, VA80021-BLU, VA80021-BLK, VA90024-NOC, VA90024-GRD, VA90024-PNK, VA90019-NOC, VA90020-PUR, VA90020-PNK, VA90014, VA90049, VA90020, 5501, 5501A, 5502, 5502A, 5503, 5503A, 5505, 5505A, 5506, 5506A, 5508, 5508A, 5509, 5509A, 5510, 5510A
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1.EN IEC 62115:2020+A11:2020 Electrical properties

Rating:3 × 1.5V "AA" size batteries

Packaging:Printed box

Section	Description	Assessment
1	Scope	---
2	Normative references	---
3	Terms and definitions	---
4	General requirement	---
5	General conditions for the tests	---
6	Criteria for reduced testing	--- The unit is not under the exemption conditions stated in this clause.
7	Marking and instructions	P
8	Power input	NA
9	Heating and abnormal operation	P
10	Electric strength	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	NA
12	Mechanical strength	P
13	Construction	P
14	Protection of cords and wires	P
15	Components	P
16	Screws and connections	P
17	Clearances and creepage distances	P
18	Resistance to heat and fire	P
19	Radiation and similar hazards	---
	Emission from electric toys incorporating lasers and or light emitting diodes or UV emitting lamps	P
	Modulated accessible emission	P
	Toys with an integrated field source shall comply	NA

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Section	Description	Assessment
	with Annex I	The submitted sample did not incorporate part which consuming a current more than 3A.

### Details of test results:

Clause 9	Heating and abnormal operation:		
9.2	During normal and abnormal operation, the unit was placed on the floor of a test corner as near to the walls as possible or away from the walls, whichever is more unfavourable, it was covered with four layers of bleached cotton gauze having dimensions of 500 mm x 500 mm and a specific mass of 40 g/m <sup>2</sup> ± 8 g/m <sup>2</sup> .		
9.3-9.8	The unit was operated by 3 × 1.5V "AA" size batteries until steady conditions were established. The maximum temperature rises were recorded as follows:		
	Ambient temperature(°C): 24.0		
	Location	Temperature rise(K)	Limit(K)
	Battery surface	23.4	45
	Battery compartment cover surface	10.5	50
	Enclosure (PCB)	8.6	50
	Enclosure (Motor)	17.4	50
	Switch	4.1	50

### Note:

P = Pass; NA = Not applicable; NC = Not conducted; F=Fail.

- (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.
- (2) Applicant needs to ensure that components used in toys comply with the safety requirements specified in the relevant IEC standards as far as they reasonably apply.
- (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.

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2.EN IEC 62115:2020+A11:2020 Annex E Optical Radiation

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

Power Source:3 × 1.5V "AA" size batteries

Section	Description	Assessment
19	Radiation and similar hazards	---
19.2	Emission from electric toys incorporating lasers and or light emitting diodes or UV emitting lamps.	P
	Modulated accessible emission.	P

Details of test results:

Part under test	Measured wavelength (nm)	Spectral emission bandwidth (nm)	Measured distance (mm)	Measured radiant intensity (W/sr)	Limit (W/sr)	Result
Blue LED	460.9	20.4	200	0.0035	0.050	Pass
Green LED	516.3	28.1	200	0.0022	0.510	Pass
Blue/Red LED	462.4	23.2	200	0.0014	0.060	Pass
	629.9	16.1	200	0.0007	0.760	Pass

Note:

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Sample Photo(s):



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