



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

TEST REPORT NUMBER : CGZ3140603-00116-T



CTS (Ningbo) Testing Service Technology Co., Ltd.
Fl.2 South Huoju Building, No.181 Canghai Rd., Jiangdong High-tech Park,
Ningbo, China

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has Passed all the relevant tests conforms to a specification (only telecommunication products).

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

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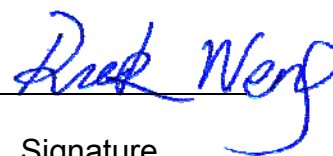
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1.2 Tester**Tested by:**17 June 2014Kate Zhang

Date

Name

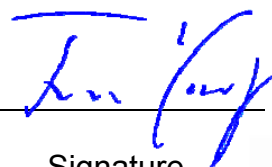
Signature

Reviewed by:17 June 2014Rock Weng

Date

Name

Signature

Approved by:17 June 2014Jun Yang

Date

Name

Signature



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1.3 Testing laboratory

1.3.1 Location

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Fl. 2 South Huoju Building, No. 181. Canghai Rd., Jiangdong High-tech Park,
Ningbo, China

Telephone: + 86-574-87912121

Telefax : + 86-574-87907993

1.3.2 Test location, where different from CTS:

Name: ./.

Street: ./.

Town: ./.

Country: ./.

Telephone: ./.

Fax: ./.

Teletex: ./.

1.4 Client details

1.4.1 Details of applicant

Name : XIAMEN AMOYDECOR INDUSTRIAL CO., LTD.
Address : 3 Floor, No. 26, Industrial Zone, Pu'nan 2nd road,
Siming District, Xiamen, China
Telephone : +86-592-5031685 ext. 614
Fax : +86-592-5094526
Teletex : ./.

Contact : Milly
Telephone : ./.

1.4.2 Details of manufacturer

Name : XIAMEN AMOYDECOR INDUSTRIAL CO., LTD.
Address : 3 Floor, No. 26, Industrial Zone, Pu'nan 2nd road,
Siming District, Xiamen, China
Telephone : +86-592-5031685 ext. 614
Fax : +86-592-5094526
Teletex : ./.

Contact : Milly
Telephone : ./.

1.4.3 Factory

Name : ./.
Address : ./.

1.4.4 Dates of application

Date of receipt of application : 03 June 2014

Date of receipt of test item : 03 June 2014

Date of test : 03 – 17 June 2014

1.5 Test item Description**1.5.1 Description of test item**

Type of product : FABRIC DANCING MOOSE

Model/Type reference : ADO13052AB-ADF1402-ADF14040-ADO13076ABC-
ADO12032-ADO13041AB

Serial number : ---

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1.5.2 Test item particulars

Test item	FABRIC DANCING MOOSE
Trade Mark	---
Manufacture	XIAMEN AMOYDECOR INDUSTRIAL CO., LTD.
Classification	<input checked="" type="checkbox"/> Battery Toy; <input type="checkbox"/> Transformer Toy; <input type="checkbox"/> Dual-supply Toy.
Rated Voltage(Range)	3 X 1,5V DC
Rated Power Input	---
Rated Current	---
Detachable Lamps	<input type="checkbox"/> Max...W; <input checked="" type="checkbox"/> None
Radiation	<input type="checkbox"/> Lasers; <input type="checkbox"/> Lighting-emitting diodes; <input checked="" type="checkbox"/> None
Mass of Toy	0,3 kg.
Instructions language	<input checked="" type="checkbox"/> English; <input type="checkbox"/> French; <input type="checkbox"/> Other:

(all information was provided by the applicant or detected at the sample)
Please see also attachment

1.6 Test standards

EN 62115: 2005 + A2: 2011 + A11: 2012
Electric toys – Safety
(IEC 62115:2003 + A1:2004 + A2:2010)

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2 Technical test

2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



2.2 Test environment

Temperature:	18 ... 25 °C
Relative humidity content:	20 ... 75 %
Air pressure:	86 ... 103 kPa
Details of power supply:	0 ... 32 V, DC
Other parameters:	---

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2.3 Conformity verification - Summary of inspection

Clause	Summary of inspection	Test result		
		N.A.	Pass	Fail
5	General conditions for the tests	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Criteria for reduced testing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Marking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	Power input	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Heating and abnormal operation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	Electric strength at operating temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	Moisture resistance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	Electric strength at room temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	Mechanical strength	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	Construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	Protection of cords and wires	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16	Components	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	Screws and connections	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
18	Clearances and creepage distances	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19	Resistance to heat and fire	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20	Radiation, toxicity and similar hazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Annexes		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Test case verdicts

N.A.: Test case does not apply to the test object

Pass: Test item does meet the requirement

Fail: Test item does not meet the requirement

Note: The test results only apply to the test items requested by applicant.

3 Test results basic standard(s)

3.1 Particulars: test item vs. Test requirements

IEC 62115 and/or EN 62115	
Electric toys – Safety	
Possible test case verdicts:	
- test case does not apply to the test object	N(N/A)
- test object does meet the requirement.....	P(Pass)
- test object does not meet the requirement.....	F(Fail)
Test specification:	
Standard	<input type="checkbox"/> IEC 62115: 2003 + A1:2004 + A2:2010 <input checked="" type="checkbox"/> EN 62115:2005 + A2:2011 + A11:2012
Test procedure	LVD DOC approval.
Non-standard test method.....	N/A
Test Report Form No.	IEC62115_C
Test Report Form(s) Originator	Centre of Testing Service
Master TRF	Dated Jan 2012
Copyright blank test report	Centre of Testing Service

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General remarks:

“(see remark #)” refers to a remark appended to the report.

“(see appended table)” refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

The test results presented in this report relate only to the object tested.

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Copy of marking plate:

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3.2 General requirements and results

IEC 62115 and/or EN 62115			
Clause	Requirement – Test	Result – Remark	Verdict
5	General conditions for the tests		---
	Tests performed according to cl. 5, e.g. additional samples, sequence of testing, etc.	---	P
6	Criteria for reduced testing		---
	For some toys, it is not necessary to carry out all the tests specified in this standard if the conditions of 6.1 or 6.2 are met.	---	N
6.1	Toys complied with clause 9 are considered to comply with clause 10, 11.2, 12, 15, and 18	---	N
6.2	Battery toys are considered to comply with Clauses 9 (except 9.3 and 9.6) 10, 11 (except 11.1), 12, 15 (except 15.2), 17 (except 17.1 for battery compartments intended to contain button cell batteries), 18 (except the additional distances for computer toys) and 19. (EN 62115:2005/A11:2012)	---	N
	- the accessible insulation between parts of different polarity cannot be bridged by a straight steel pin having a diameter of 0,5 mm and any suitable length over 25 mm (EN 62115:2005/A11:2012)	---	N
	- the total battery voltage $\leq 2,5$ V after 1 s (EN 62115:2005/A2:2011)	---	N
	For battery compartments including button cell batteries, 17.1 is always applicable. (EN 62115:2005/A2:2011)	---	N
7	Marking and instructions		---
7.1	Marking		---
	- Manufacturer's or responsible vendor's name, trademark or identification mark:	---	---
	- The model or type reference.	---	---
	When the toy is marked, these markings shall be on the main part.	---	---
	The markings of 7.1.1 to 7.1.3 shall be contained in the instructions instead.	---	---
7.1.1	Battery toys		---

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IEC 62115 and/or EN 62115			
Clause	Requirement – Test	Result – Remark	Verdict
	– the nominal battery voltage, in or on the battery compartment;	---	---
	– the symbol for d.c., if the toy has a battery box.	---	---
	The shape of the batteries in proportional size, together with their nominal voltage and polarity	---	---
7.1.2	Transformer toys		N
	- rated voltage, in volts;	---	N
	– the symbol for a.c. or d.c., as applicable;	---	N
	-rated power input in watts or volt-amperes, if greater than 25 W or 25 VA;	---	N
	-symbol for transformer for toys both on the main part and the packaging	---	N
7.1.3	Dual-supply toys		N
	Marked with the marking required for both battery toys and transformer toys.	---	N
7.2	Marking of detachable lamps		N
	-rated voltage and type number, or	No detachable lamps	N
	-maximum power input, or	---	N
	-maximum current	---	N
7.3	Correct symbols used	---	---
7.4	Instructions for safe use provided	---	---
	Toys shall be provided with instructions for assembly if	---	---
	– they are intended to be assembled by a child;	---	---
	– these instructions are necessary for safe operation of the toy.	---	---
	Toy is intended to be assembled by an adult shall be stated.	---	N
	The instructions for transformer toys and toys with battery boxes shall state that the toy is not to be connected to more than the recommended number of power supplies.	---	N

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IEC 62115 and/or EN 62115			
Clause	Requirement – Test	Result – Remark	Verdict
	The instructions and marking for dual supply toys shall include the instructions required for both battery toys and transformer toys (EN 62115:2005/A11:2012)	---	N
	Toys having wires without connecting means shall be provided with instructions that state that the wires are not to be inserted into socket-outlets.	---	N
	The instructions for battery toys with replaceable batteries shall contain relative substance, as applicable	---	---
	The instructions for transformer toys shall contain relative substance, as applicable	---	N
	For computer toys instruction shall state the substance of the following: The toy is only to be connected to equipment of Class II. (EN 62115:2005/A11:2012)	---	N
	Rechargeable batteries are only to be charged under adult supervision (for toys supplied with a battery charger for use by children, this instruction may be replaced by: 'Batteries are only to be charged by adults or by children at least 8 years old')	---	N
	The instructions may be on a leaflet, on the packaging or on the toy.	---	---
	Instructions for battery toys intended to be used in water shall state that the toy is to be operated in water only when fully assembled in accordance with the instructions.	Not intended to be used in water	N
7.5	When markings or instructions are on the packaging, it shall also be stated that the packaging must be retained since it contains important information.	---	---
7.6	Instructions and other texts in an official language	---	---
7.7	Marking clearly legible and durable	---	---
	Compliance is checked by inspection and by rubbing the marking by hand for 15 s with a piece of cloth soaked with water and again for 15 s with a piece of cloth soaked with petroleum spirit. When the use of other liquids is recommended, the rubbing test is also carried out with the cloth soaked with these liquids. The petroleum spirit to be used for the test is aliphatic solvent hexane.	---	---

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IEC 62115 and/or EN 62115			
Clause	Requirement – Test	Result – Remark	Verdict
	After all the tests of this standard, the marking shall be legible, it shall not be easily possible to remove marking plates and they shall show no curling.	---	---
	NOTE In considering the durability of the marking, the effect of normal wear such as frequent cleaning is taken into account.	---	---
7.Z1	Toys, which have accessible parts with temperature rises that are unsuitable for children of under 3 years, or under 8 years taken from the limits according to Table Z1, shall have a warning that shall be visible to consumers at the time of purchase: Warning! No suitable for children under X years of age. (EN 62115:2005/A11:2012)	---	N
	The warning shall give a brief indication for this restriction which may be for example: Warning! No suitable for children under 3 years of age. Hot surface hazard. (EN 62115:2005/A11:2012)	---	N
8	Power input		---
	The power input of transformer toys and dual supply toys shall not exceed the rated power input by more than 20 %. (EN 62115:2005/A2:2011)	---	N
9	Heating and abnormal operation		---
9.1	Toys shall not attain excessive temperatures in use. (EN 62115:2005/A2:2011)	---	P
	Not malfunction in such a way as to cause any unintended operation that may impair safety. (EN 62115:2005/A11:2012)	---	P
	Transformer toys, dual supply toys and toys with battery boxes are subjected to the test of 9.7. (EN 62115:2005/A2:2011)	---	N
	The tests of 9.3 and 9.4 are continued until steady conditions are established. During these tests, thermal cut-outs shall not operate. However, during temperature rise tests of 9.3 and thermal 9.4 on mobile toys such as radio controlled vehicles, self-resetting cut outs are allowed to operate. (EN 62115:2005/A2:2011)	---	P
9.2	Placing of appliance as described	---	P

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IEC 62115 and/or EN 62115			
Clause	Requirement – Test	Result – Remark	Verdict
	Battery toys are supplied at rated voltage.	---	P
	Transformer toys and dual supply toys are supplied at 0,94 times or 1,06 times rated voltage, whichever is more unfavourable. (EN 62115:2005/A2:2011)	---	N
	The temperature rises are determined by means of fine-wire thermocouples positioned so that they have minimum effect on the temperature of the part under test. Where thermocouples cannot successfully measure the maximum temperature during the test, thermal paper or other methods to measure temperature rise may be used. (EN 62115:2005/A2:2011)	---	P
	Mobile toys shall be tested in whichever use condition will create the highest temperature rise. When non-self-resetting thermal cut-outs operate, they are re-set a maximum of three times. Toys with self-resetting thermal cut-outs are tested until steady state conditions are established. (EN 62115:2005/A2:2011)	---	P
9.3	Toys are operated under normal operation and the temperature rises of the various parts are determined.	---	P
	Rechargeable battery toys that can operate during recharging are also tested in the charging mode. (EN 62115:2005/A2:2011)	---	N
9.4	steel wire test and Test of 9.3 repeated with different polarity shorted in turn	---	P
9.5	The test of 9.3 is repeated, any control that limits the temperature during the tests of 9.3 and 9.4 being short-circuited.	No such parts	N
	PTCs, NTCs or VDRs within their manufacturers declared specification, not short-circuited (EN 62115:2005/A2:2011)	---	N
	For products that have to be kept switched on by hand or foot, if the applied short-circuit results in the product not functioning, the switch is released after 30 s. (EN 62115:2005/A2:2011)	---	N
9.6	The test of 9.3 is repeated with accessible moving parts locked.	---	P

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Clause	Requirement – Test	Result – Remark	Verdict
9.7	Transformer toys, dual supply toys and toys with battery boxes are connected to a power supply in addition to that recommended in the instructions for use. (EN 62115:2005/A2:2011)	---	N
9.8	Electronic circuits, compliance checked by evaluation of the fault conditions specified in 9.8.2 for all circuits or parts of circuits, unless they comply with the conditions specified in 9.8.1	---	P
	If a conductor of a printed board becomes open-circuited, the appliance is considered to have withstood the particular test, provided all three of the following conditions are met:	---	N
	– the material of the printed-circuit board withstands the needle-flame test of Annex B;	---	N
	– the toy withstands the test of 9.8.2 with the open-circuited conductor bridged.	---	N
9.8.1	Before applying the fault conditions a) to f) in 9.8.2, it is checked if circuits or parts of circuit meet both of the following conditions:	---	N
	- the electronic circuit is a low-power circuit, that is, the maximum power at low-power points does not exceed 15 W according to the tests specified	---	N
	- the protection against electric shock, fire hazard, mechanical hazard or dangerous malfunction in other parts of the appliance does not rely on the correct functioning of the electronic circuit	---	N
9.8.2	Fault conditions applied one at a time, the appliance operated under conditions specified in 9.2, but supplied at rated voltage, the duration of the tests as specified:	---	N
	a) short circuit of functional insulation if clearances or creepage distances are less than the values specified in 29	---	N
	b) open circuit at the terminals of any component	---	N
	c) short circuit of capacitors, unless they comply with IEC 60384-14	---	N
	d) short circuit of any two terminals of an electronic component, other than integrated circuits. This fault condition is not applied between the two circuits of an optocoupler	---	N
	e) failure of triacs in the diode mode	---	N

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Clause	Requirement – Test	Result – Remark	Verdict
	f) failure of an integrated circuit	---	N
	For simulation of the fault conditions, the toy is operated under the conditions specified in 9.2 but supplied at rated voltage. For products that have to be kept switched on by hand or foot, if the applied fault-condition results in the product not functioning, the switch is released after 30 s. (EN 62115:2005/A2:2011)	---	N
9.9	During the tests, the temperature rises of accessible parts are monitored continuously. (EN 62115:2005/A11:2012)	---	P
	The temperature rise shall not exceed the values specified	---	P
	During the tests, – sealing compound shall not flow out;	---	P
	– the toy shall not emit flames or molten metal;	---	P
	– dangerous substances shall not be produced, such as poisonous or ignitable gas in hazardous amounts;	---	P
	– vapour shall not accumulate in the toy;	---	P
	– enclosures shall not deform to such an extent that compliance with this standard is impaired;	---	P
	– batteries shall not leak hazardous substances or erupt;	---	P
	– materials, including the cotton gauze, shall not char.	---	P
	After the tests, the toy shall not be damaged to such an extent that compliance with this European standard is impaired (EN 62115:2005/A11:2012)	---	P
	Toys having accessible parts with temperature rises exceeding the values in Table Z1 for children less than 3 years or for children between 3 years and 8 years shall have a warning together with the appropriate age indication, 3 years or 8 years.	---	N
10	Electric strength at working temperature		---
	The electrical insulation of the toy at operating temperature shall be adequate.	See appendix table	P
11	Moisture resistance		---

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IEC 62115 and/or EN 62115			
Clause	Requirement – Test	Result – Remark	Verdict
11.1	Test for battery toys intended to be used in water	Not intended to be used in water	N
11.2	Toys resistant to humidity	See appendix table	P
12	Electric strength at room temperature		---
	Test for electrical insulation	See appendix table	P
13	Mechanical strength		---
	Impact test of 0.7J for enclosure	Remain intact	P
14	Construction		---
14.1	Toys shall be battery toys, transformer toys or dual-supply toys. Their nominal supply voltage shall not exceed 24V (EN 62115:2005/A11:2012)	3 X 1,5V DC	P
14.2	The battery charger and the transformer of transformer toys not an integral part of the toy (EN 62115:2005/A2:2011)	No such parts	N
14.3	Transformer toys and dual supply toys not intended for use in water (EN 62115:2005/A2:2011)	No such parts	N
14.4	Transformer toys and dual supply toys not intended for use by children under 3 years old (EN 62115:2005/A2:2011)	No such parts	N
14.5	Reset of the non-self-resetting thermal cut-outs	No such parts	N
14.6	accessibility of batteries (cells and R1)	---	P
14.7	accessibility of batteries (for children under 3 years old)	---	N
14.8	electrolyte of rechargeable batteries	No such parts	N
14.9	parallel connecting of batteries	---	P
14.10	Plugs and socket-outlets of toys shall not be interchangeable with plugs and socket-outlets listed in IEC 60083. (EN 62115:2005/A2:2011)	No such parts	N
	NOTE Z1 Connectors (jack plugs, USB plugs, RCA phono plugs etc.) with a diameter or diagonal measurement between 3,75mm and 5,25mm and length greater than 7mm are considered to fail this requirement. (EN 62115:2005/A11:2012)	---	N
14.11	Test for non-detachable parts	No such parts	N
14.12	It shall not be possible to charge rechargeable batteries when they are in the toy unless (EN 62115:2005/A2:2011)	No such parts	N

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Clause	Requirement – Test	Result – Remark	Verdict
	– for toys having a mass not exceeding 5 kg, it is not possible	---	N
	• to replace the rechargeable batteries by primary batteries without breaking the toy	---	N
	• to charge separate batteries or other toys from the toy	---	N
	• to make a connection of incorrect polarity when recharging the batteries	---	N
	• to operate the toy during charging unless it complies with the requirements for a dual supply toy	---	N
	– for other toys	---	N
	• the battery is fixed in the toy	---	N
	• connecting means are provided that prevent connection to standardised primary batteries and ensure correct polarity during insertion and charging of the rechargeable batteries	---	N
	• it is not possible to operate the toy during charging	---	N
	Compliance is checked by inspection and the tests of this standard.	---	N
14.13	Series motors having a power input exceeding 20W not allowed	---	P
14.14	asbestos not used at the toy	---	P
14.15	Internal parts of a toy having a voltage exceeding 24 V shall not lead to any risk of harmful electric shock. (EN 62115:2005/A2:2011)	No such parts	N
	The quantity of electricity and energy in the discharge is measured	---	N
	– the working voltage between any two parts of the toy shall not exceed 5 KV when the toy is supplied at rated voltage	---	N
	– the maximum current from a circuit with a generated voltage exceeding 24 V shall be less than 0,5 mA	---	N

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Clause	Requirement – Test	Result – Remark	Verdict
	– the maximum energy from a circuit with a generated voltage exceeding 24 V shall be less than 2 mJ	---	N
	– the discharge shall not exceed 45 µC	---	N
14.16	Battery toys for children where the intended fixed position of the battery compartment can be above a child shall have a battery compartment that prevents battery electrolyte leakage from the toy (EN 62115:2005/A2:2011)	---	N
14.Z1	Computer toys shall be safe when connected to a computer, console, monitor screen or than audio-video equipment, even in case of a fault in the equipment it is connected to. Computer toys shall therefore comply with one of the following conditions: (EN 62115:2005/A11:2012)	---	N
	a) include an instruction to advise that the toy shall only be connected to equipment of Class II	---	N
	b) not be accessible in the toy and the insulation between such parts and accessible parts shall have a thickness of at least 1mm and a adequate electric strength.	---	N
	The toy is operated under normal operation according to Clause 9.	---	N
	No breakdown shall occur during the test.	---	N
	For computer toys complying with 14.Z1,a), the distances as stated in Clause 18 shall be fulfilled.	---	N
15	Protection of cords and wires		---
15.1	Wireways smooth and free from sharp edges	---	P
15.2	Bare conductors and heating elements sufficient insulated	---	N
16	Components		---
16.1	Safety-conformance of safety relevance parts	---	N
16.1.1	Switches and controls	---	N
16.1.2	parts within marked ratings	---	N
16.2	thermal cut-outs not resettable by a soldering operation and switches without mercury	No such parts	N

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Clause	Requirement – Test	Result – Remark	Verdict
16.3	Transformers shall comply with EN 61558-2-7 for linear types or EN 61558-2-7 and EN 61558-2-16 for switch mode types. (EN 62115:2005/A11:2012)	No such parts	N
16.4	Battery chargers supplied with a toy shall comply with IEC 60335-2-29 and if they are battery chargers for use by children they shall comply with annex AA of that standard. (EN 62115:2005/A2:2011)	No such parts	N
17	Screws and connections		—
17.1	Screws and connections	---	P
17.2	Connections for > 0,5A contact pressure not transmitted by insulating material	---	N
18	Clearances and creepage distances		—
	Clearances and creepage distances of functional insulation shall not be less than 0,5 mm except when the toy meets the requirements of Clause 9 with this distance short circuited. (EN 62115:2005/A2:2011)	---	P
	For functional insulation on printed circuit boards, except at their edges, may be reduced to 0,2 mm (EN 62115:2005/A2:2011)	---	N
	For computer toys intended to be electrically connected to a computer, console, monitor screen or than audio-video equipment, both creepage and clearance distances between accessible parts and conductive parts shall be at least 1,5mm. (EN 62115:2005/A11:2012)	---	N
19	Resistance to heat and fire		—
19.1	Toys for working voltage exceeding 12V and a current exceeding 3A	Working voltage less than 12V and a current less than 3A	N
19.2	Non-metallic parts glow wire test at 550°C	---	P
	Non-metallic parts supporting connections for working voltage exceeding 12V and a current exceeding 3A glow wire test at 650°C	---	N
	Needle flame test if flamed	---	N
	Needle flame test at parts in surrounding	---	N
20	Radiation, toxicity and similar hazards		—

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Clause	Requirement – Test	Result – Remark	Verdict
	Toys shall not emit harmful radiation or present a hazard a toxic or similar hazard due to their operation in normal use. (EN 62115:2005/A11:2010)	See Customer EN 71-3 report	P
	Toys incorporating lasers and or light emitting diodes (LED) shall comply with Annex E. (EN 62115:2005/A11:2010)	---	N
	Toys with an integrated field source shall comply with Annex ZC. (EN 62115:2005/A11:2012)	---	N

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3.3 Annex as stated in the standards

IEC 62115 and/or EN 62115			
Clause	Requirement - Test	Result	Verdict
A	ANNEX A, Experimental sets (EN)		—
(5.10)	The tests are carried out with the experiments described in the instructions that result in the most unfavourable condition.	---	N
(7.1)	The substance of the following shall be indicated on the packaging: – WARNING: Only for use by children aged 8 years and older; – instructions for parents are included and have to be observed.	---	N
(7.4)	Detailed information and warnings shall be given in the instructions	---	N
(14.1)	Except within 10s, the current shall not exceed 5 A and the power input shall not exceed 50 VA.	---	N

B	ANNEX B, Need-flame test (EN)		—
(7)	The duration of application of the test flame is 30 s \pm 1 s. (EN 62115:2005/A11:2010)	---	N
(9.1)	the flame can be applied to a vertical or horizontal edge. (EN 62115:2005/A11:2010)	---	N
(9.2)	If possible, the flame is applied at least 10 mm from a corner. (EN 62115:2005/A11:2010)	---	N
(11)	The duration of burning shall not exceed 30 s and printed-circuit boards shall not exceed 15 s. (EN 62115:2005/A11:2010)	---	N

C	ANNEX C, Automatic controls and switches (EN)		—
(C.1)	Automatic controls with the toy shall comply with this standard and with clauses 11.3.5 to 11.3.8 and Clause 17 of IEC 60730-1 as type 1 controls.	---	N
	the number of cycles of operation are – thermostats 3 000 – self-resetting thermal cut-outs 300 – non-self-resetting thermal cut-outs 10	---	N

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Clause	Requirement - Test	Result	Verdict
(C.2)	Switches with the toy shall comply with this standard and with the following clauses of IEC 61058-1	---	N
(8)	Except tested separately, switches are not required to be marked	---	N

E	ANNEX E, Toys incorporating lasers and light-emitting diodes (EN)		—
(20)	Lasers and light-emitting diodes in toys shall meet the requirements for Class 1 lasers in accordance with IEC 60825-1. (IEC 62115:2003/A1:2004)	---	N

ZB	Annex ZB, Toys with protective electronic circuit		—
	Toys incorporating electronic controls complying with the EN 60730 series are not exempt from the tests.	---	N

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3.4 Tables

9(a)	TABLE: Heating test			P
	Test voltage (V)	Battery: 3 X 1,5V DC	---	—
	Ambient (°C).....	24,3	---	—
Condition:		Normal operation		Max. dT (K)
Thermocouple locations		dT (K)		
1. Battery body		5,3	---	45
2. Battery compartment		4,8	---	35
3. Surface of touch		4,0	---	35
4. Wire		5,1	---	35
Supplementary information: /				

9(b)	TABLE: Abnormal operation tests				P
	ambient temperature (°C) :			24,5	—
component No.	fault	test voltage (V)	test time	result	
Motor	locked	Battery: 3 X 1,5V DC	Stabilization	Pass	
Supplementary information: /					

10	TABLE: Electric strength at operating temperature			P
Test voltage applied between:			Voltage (V)	Breakdown (Yes/No)
Battery & Transformer “+” to “-”			250	No

11.2	TABLE: Humidity test			P
Relative humidity (RH%)		Temperature (°C)	During (h)	Breakdown (Yes/No)
93		23	48	N

12	TABLE: Electric strength at room temperature			P
Test voltage applied between:			Voltage (V)	Breakdown (Yes/No)
Battery & Transformer “+” to “-”			250	No

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19.2	TABLE: Glow wire test		P
Part		Test temperature (°C)	Verdict
Battery compartment		550	P

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Attachments

- ☒ Photo document
- ☐ BOM
- ☐ CDF (critical data form)
- ☐ Copies of certificates of certified components
- ☐ Instruction manual
- ☐ Circuit diagram
- ☐ Explosion block
- ☐ Other if necessary

-----end of report-----

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Attachment

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ADF14040-ADO13076ABC-ADO12032-ADO13041AB
Report Number: CGZ3140603-00116-T



Figure 1 (External view -front)



Figure 2 (External view -base)

Attachment

Page 2 of 2

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ADF14040-ADO13076ABC-ADO12032-ADO13041AB
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Figure 3 (Internal view -1)



Figure 4 (Internal view -2)