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EMTEK
Access to the World

Certificate of Conformity

NO.: ED150908010S

The following product has been tested by us with the listed standards and found in conformity with the council TOYS directive 2009/48/EC. It is possible to use CE marking to demonstrate the conformity with this TOYS Directive.

Applicant : MAOMAO TOYS FACTORY

Address : BATOU TOUFEN RONGFU INDUSTRIAL, CHENGHAI DISTRICT, SHANTOU CITY, CHINA

Manufacturer : MAOMAO TOYS FACTORY

Address : BATOU TOUFEN RONGFU INDUSTRIAL, CHENGHAI DISTRICT, SHANTOU CITY, CHINA

Trademark: : N/A

EUT : Electric piggy bank

M/N : 8801, 8803, 8825, 8826, MM8805, MM8807, 88-1501, 88-1501A, 881503, 8829, 8830, 8831, 8832, 8833, 8835, 8836, 8837, 8838, 8839, 8840, 8841, 8842, 8843, 8845, 8846, 8847, 8848, 8849, 8850, 88150, 88151, 88152, 88153, 881505, 881506, 881507, 881508, 881509, 881510, 881511, 881512, 881513, 881515, 881516, 881517, 881518, 881519, 881520, 881521, 881522, 881523, 881525, 881526, 881527, 881528, 881529, 881530

Technical Data : DC3V (DC1.5V×2, “AAA” “LR03” size batteries)

Test Standards : EN 62115:2005 + A2:2011 + A11:2012 + A12:2015




(Manager)
September 14, 2015



The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

APPLICATION FOR TOY DIRECTIVES

On Behalf of

MAOMAO TOYS FACTORY

**BATOU TOUFEN RONGFU INDUSTRIAL, CHENGHAI DISTRICT, SHANTOU CITY,
CHINA**

**Model(s): 8801, 8803, 8825, 8826, MM8805, MM8807, 88-1501, 88-1501A, 881503,
8829, 8830, 8831, 8832, 8833, 8835, 8836, 8837, 8838, 8839, 8840, 8841, 8842, 8843,
8845, 8846, 8847, 8848, 8849, 8850, 88150, 88151, 88152, 88153, 881505, 881506,
881507, 881508, 881509, 881510, 881511, 881512, 881513, 881515, 881516, 881517,
881518, 881519, 881520, 881521, 881522, 881523, 881525, 881526, 881527, 881528,
881529, 881530**

**Prepared For : MAOMAO TOYS FACTORY
BATOU TOUFEN RONGFU INDUSTRIAL, CHENGHAI
DISTRICT, SHANTOU CITY, CHINA**

**Prepared By : DONGGUAN EMTEK CO., LTD.
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Test Report

File No. : ED150908010S
Date Report Issued : September 14, 2015
Applicant : MAOMAO TOYS FACTORY
Applicant Address : BATOU TOUFEN RONGFU INDUSTRIAL, CHENGHAI DISTRICT,
 SHANTOU CITY, CHINA
Buyer : Not provided
Manufacturer : MAOMAO TOYS FACTORY
Country of Origin : China
Country of Destination : Other

Sample Description : Electric piggy bank
 8801, 8803, 8825, 8826, MM8805, MM8807, 88-1501, 88-1501A,
 881503, 8829, 8830, 8831, 8832, 8833, 8835, 8836, 8837, 8838, 8839,
 8840, 8841, 8842, 8843, 8845, 8846, 8847, 8848, 8849, 8850, 88150,
Model No. : 88151, 88152, 88153, 881505, 881506, 881507, 881508, 881509,
 881510, 881511, 881512, 881513, 881515, 881516, 881517, 881518,
 881519, 881520, 881521, 881522, 881523, 881525, 881526, 881527,
 881528, 881529, 881530
Product Rating : DC3V(DC1.5V×2 size batteries)
Date Code : Not provided

Packaging : N/A
Labelled Age grade : 3 +
Tested Age grade : 3 +

Sample Receive Date : September 08, 2015 **No. of samples** : 1 set
Testing Period : September 08, 2015 – September 11, 2015

Test Requested : Test for compliance with EN 62115:2005 + A2:2011 + A11:2012 +
 A12:2015


Test Results : Pass

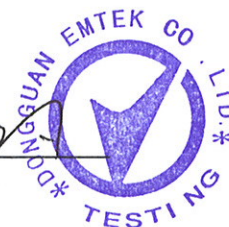
Conclusion : The submitted samples comply with EN 62115:2005 + A2:2011 +
 A11:2012 + A12:2015

Tested by

Review by


 Nina Zhang
 Engineer


 Kobe Mai
 Supervisor



EN 62115 SPECIFICATION REQUIREMENTS		TEST RESULTS	
Clause		Assessment	Remarks
1.	Scope	--	
2.	Normative references	--	
3.	Definitions	--	Battery Toy
4.	General requirement	--	
5.	General conditions for the tests	--	
6.	Criteria for reduced testing	--	
7.	Marking and instructions	Pass	Note 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.	Radiation hazards	--	
	Toxicity and similar hazards	--	Note 2

Note 1: According to the standard, instruction sheets 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.

Note 2: This test report only cover the essential safety requirements which concerning electrical properties on safety of toys according with EN 62115:2005 + A2:2011 + A11:2012+ A12:2015, but the electrical toys also have to comply with EN 71-3.

Note 3: All below models are identical, just different for model names and appearance.
Model list:
8801, 8803, 8825, 8826, MM8805, MM8807, 88-1501, 88-1501A, 881503, 8829,
8830, 8831, 8832, 8833, 8835, 8836, 8837, 8838, 8839, 8840, 8841, 8842, 8843,
8845, 8846, 8847, 8848, 8849, 8850, 88150, 88151, 88152, 88153, 881505, 881506,
881507, 881508, 881509, 881510, 881511, 881512, 881513, 881515, 881516, 881517,
881518, 881519, 881520, 881521, 881522, 881523, 881525, 881526, 881527, 881528,
881529, 881530

Details of Test Results

Clause 6 Criteria for reduced testing

6.2 As the model was found that the battery voltage exceeded 2.5V 1 second after a 1 ohm resistor had been connected to the terminals, clauses 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), 19 were applicable.

Clause 9 Heating and abnormal operation

9.2 The model was placed on the test corner of the floor during normal and abnormal operation.

9.3 The toy 8801 was operated by DC1.5V×2 size batteries and operated until steady conditions were established.

The maximum temperature rises were recorded as follows:

Ambient temperature : (Deg. C) 24.3°C

Location	Temperature Rise (K)	Limit (K)
Battery surface	10.7	45
Battery compartment	8.8	50
Battery compartment cover	6.1	50
Enclosure near motor	4.8	50
Switch knob	3.9	35
Enclosure	4.3	50

9.4 This clause was not applicable since the accessible insulation between different polarity could not be bridged.

9.6 The toy 8801 was operated by DC1.5V×2 size batteries and operated with moving parts locked 30 seconds.

Ambient temperature : (Deg. C) 24.3°C

Location	Temperature Rise (K)	Limit (K)
Battery surface	9.2	45
Battery compartment	8.3	50
Enclosure near motor	5.4	50

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 fitted with mercury switch nor thermal cut-outs which could be reset by soldering operation.

Clause 19 Resistance to heat and fire

19.2.1 Glow-wire test (550 Deg. C)

Location / Part	Result Observation
Battery compartment for car	No flame, no molten drop
Battery compartment cover for car	No flame, no molten drop

Clause 20 Radiation, toxicity and similar hazards

Annex A Experimental sets

Annex B Needle-flame test

Annex C Automatic controls and switches

Annex D Sequence of the tests of Clause 19

Annex E Toys incorporating lasers and light-emitting diodes

Annex ZA Normative references to international publications with their corresponding European publications

Annex ZB Toys with protective electronic circuit

Annex ZC Toys generating ElectroMagnetic Fields (EMF)

The Tested product also complies to the requirements of EN 62233: 2008:

Measuring distance r_1 cm :	30
Sensor locations :	All surface

Operating conditions :

Continuously

Limit100%

Measured max. : 1.37%

Annex ZZA Coverage of Essential Requirements of the EC Directives

Annex ZZB Background and justification for this European Standard



Fig 1 – Front overview



Fig 2 – Rear overview

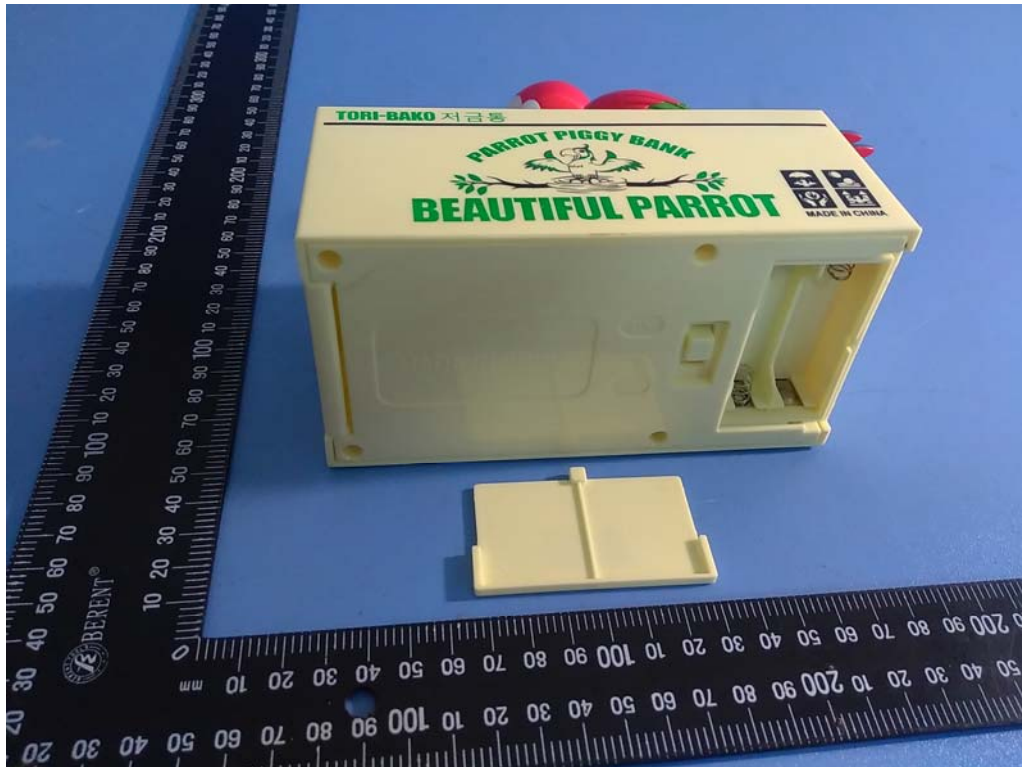


Fig 3 – Battery compartment overview 1



Fig 4 – Battery compartment overview 2



Fig 5 – Overview