



# TEST REPORT

NO.: ESTSZ130305216T

Date: Mar. 21, 2013

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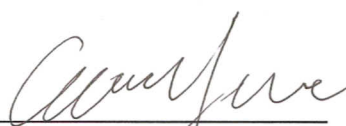
Applicant : Shenzhen Noble Living Goods Co., Ltd.  
 R 411, 4/F, A Building Tongan Industrial Park, Sanwei Aviation Road,  
 Xixiang, Baoan District, Shenzhen

Report on the submitted sample said to be

Sample name : Dwinguler Talking Pen  
 Model/type : DW-TP13-1  
 Description of samples : Dwinguler Talking Pen  
 Samples Quantity : Two sample  
 Labeled Age Grading: : For ages 3 up  
 Test Age Grading: : For ages 3 up  
 Test request by Applicant : EN 62115: 2005 + A2:2011 + A11:2012 Electric Toys - Safety Pass  
 EN 71-1: 2011 Safety of toys —Part 1: Mechanical and physical properties Pass  
 EN 71-2: 2011 Safety of toys —Part 2: Flammability Pass  
 EN 71-3: 1994+A1:2000 Safety of toys — Part 3: Migration of Certain Elements Pass

Manufacturer : Shenzhen Noble Living Goods Co., Ltd.  
 Country of Origin : China  
 Sample received date : Mar. 14, 2013  
 Testing period : Mar. 14, 2013 to Mar. 20, 2013

Signed for and on behalf of  
 SHENZHEN EXACT STANDARD TESTING TECHNOLOGY CO., LTD.

Compiled by   
 Sunny He / Project Engineer

Inspected by   
 Harvid Wei / Dept. Manager

Approved   
 Charles Liu / Sr. Manager



**Test Results:**

This report details the clauses appropriate to this item. Those clauses not referred to were considered not applicable.

EN 62115:2005+A11:2012 Electric toys – safety		
Section	Title	Results
4.1	<b>General Requirement</b> <i>Toys shall be constructed so that they do not jeopardize the safety and /or health of users or third parties. In order to comply with this standard, electric toys also have to comply with EN71.</i> <i>See next test report for EN 71-3</i>	See comments
5	<b>General Conditions for the tests</b>	-
5.13	Electrical connections can be made as reversed polarity due to incorrect insertion	Pass
6	<b>Selection of Tests</b>	-
6.2	<i>Battery toys are considered to comply with 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) and 19 if they meet the requirements for reduced testing specified in clause 6.2. This item meets the requirements of this clause therefore reduced testing was applied.</i>	See comments
7	<b>Marking &amp; Instructions</b>	-
7.1	Name, Trade Mark Or Identification Mark <i>Toys or their packaging shall be marked with:</i> <ul style="list-style-type: none"><li>● <i>Warnings &amp; instructions for use under directive 2009/48/EC. The name, registered trade name or registered trade mark and a contact address for an importer or distributor within the EU must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.</i></li></ul>	See comments
9	<b>Heating &amp; Abnormal Operation</b>	-
9.3	Normal operating temperature	P
10	<b>Electric Strength at Operating Temperature</b> <i>This clause was considered to comply when applying the criteria for reduced testing specified in clause 6.2 (No physical testing conducted).</i>	See comments
11	<b>Moisture Resistance</b>	-





Section	Title	Results
11.2	Resistance To Humidity <i>This clause was considered to comply when applying the criteria for reduced testing specified in clause 6.2 (No physical testing conducted).</i>	See comments
12	<b>Electric Strength at Room Temperature</b> <i>This clause was considered to comply when applying the criteria for reduced testing specified in clause 6.2 (No physical testing conducted).</i>	See comments
13	<b>Mechanical Strength</b>	Pass
14	<b>Construction</b>	-
14.1	Voltage Shall Not Exceed 24V	Pass
14.6	Accessibility of button cells and type R1 batteries	Pass
4.11	Non detachable parts	Pass
14.14	Toys Shall Not Contain Asbestos <i>Visual examination did not reveal any material that resembled asbestos although no specific testing was conducted</i>	See comments
15	<b>Protection of Cords &amp; Wires</b> <i>This clause was considered to comply when applying the criteria for reduced testing specified in clause 6.2 (No physical testing conducted).</i>	See comments
16	<b>Components</b>	-
16.2	Toys shall not be fitted with thermal cut-outs that can be reset by a soldering operation; mercury switches shall not be used.	Pass
17	<b>Screws &amp; Connections</b>	-
17.2	<b>Electrical connections carrying a current exceeding 0.5A</b> <i>This clause was considered to comply when applying the criteria for reduced testing specified in clause 6.2 (No physical testing conducted).</i>	See comments
18	<b>Creepage Distances &amp; Clearances</b> <i>This clause was considered to comply when applying the criteria for reduced testing specified in clause 6.2 (No physical testing conducted).</i>	See comments
19	<b>Resistance to Heat &amp; Fire</b> <i>This clause was considered to comply when applying the criteria for reduced testing specified in clause 6.2 (No physical testing conducted).</i>	See comments
20	<b>Radiation, Toxicity &amp; Similar Hazards</b> <i>Toys shall not emit harmful radiation or present a toxic or similar hazard due to operation in normal use: The toy will need to comply with EN71 part 3, see next test report for EN 71-3</i>	See comments





EN 71-1: 2011 Safety of toys —Part 1: Mechanical and physical properties		
<b>4</b>	<b>General requirements</b>	
4.1	Materials	
	Remarks: No stain	Pass
4.7	Edge	
	Remarks: No sharp edge	Pass
4.8	Points and wires	
	Remarks: No sharp point	Pass
4.10	Parts moving against each other	
	Remarks: No hazard	Pass
<b>7</b>	<b>Warnings and instructions for use</b>	
7.1	Necessary markings	
	Name and / or trade name and/or mark and complete address of the manufacturer or his authorized representative or the importer with the CE-marking	Pass

**\* Remark of tests of EN 71- Part 1:**

\* Although no final packaging has been received, the manufacturer/trader/applicant has confirmed that the above information marked (\*) will be shown onto the packaging of the toy.





EN 71-2: 2011 Safety of toys —Part 2: Flammability		
4	General	
4.1	Materials	
	Remarks: see below	Pass
---	The following materials shall not be used in the manufacture of toys:	
	— Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and materials with the same behaviour in fire as celluloid.	Pass
	— Materials with a piled surface which produce surface flash on the approach of a flame.	Pass

Note: All TEST RESULTS ARE ONLY VALID FOR THE SAMPLES BEING TESTED.





EN 71-3: 1994+A1:2000 Safety of toys — Part 3: Migration of Certain Elements			
8	Requirements		
8.2	Polymeric and similar materials, including laminates, whether textile reinforced or not, but excluding other textiles		
		Remarks:	Pass
8.5	Glass/ceramic/metallic materials		
		Remarks:	Pass
8.6	Other materials whether mass coloured or not		
		Remarks:	Pass

**Part 3 of EN 71 is only applicable for toys or parts of toys- under consideration of a foreseen and reasonable use- which based on their function, mass, height or other properties will be put into the child's mouth or if there is a foreseen possibility of sucking and swallowing toys or part of toys.**





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## Analysis results:

As per European standard on safety of Toys 71 Parts 3: 1994+A1:2000+A1/AC:2000+AC:2002 soluble toxic element contents are determined by inductively coupled plasma – Atomic Emission Spectrometry.

Detection limit: 5.0ppm for Cd, Pb, Cr, Hg, Sb, Ba, Se and 2.5 ppm for As of the 8 soluble toxic elements

No.	Testing element	Cadmium (Cd)	Lead (Pb)	Chromium (Cr)	Mercury (Hg)	Antimony (Sb)	Barium (Ba)	Arsenic (As)	Selenium (Se)
	Limit [mg/kg]	75	90	60	60	60	1000	25	500
1	White plastic enclosure	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5	<5.0
2	Blue plastic base	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5	<5.0
3	Blue plastic key	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5	<5.0
4	White plastic rubber	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<2.5	<5.0
5	Red marking	<5.0	<5.0	7.5	<5.0	<5.0	<5.0	<2.5	<5.0

## Note:

- unit: mg/kg=ppm, <=Less than
- Results shown are of the adjusted analytical results.





SAMPLE PHOTO:

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Dwinguler Talking Pen

EST authenticate the photo on original report only

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

