



## Test Report

No.: T51510221699TY

Date: JUL 24, 2015

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SHENZHEN BOOYUE DAILY NECESSITIES COMPANY LIMITED  
UNIT 07, 9/F, CHANGHONG TECHNOLOGY BUILDING,  
NO.18, KEJI 12TH ROAD SOUTH, NANSHAN, SHENZHEN, CHINA

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

### MUSICAL PLAYER

Item No. : V8BT  
Country of Origin : CHINA  
Labeled Age Grading : NEWBORN-12YRS  
Requested Age Grading : 0+  
Age Group Assessed As Per Age : OVER 18 MONTHS  
Guideline  
Age Group Applied in Testing : ALL AGES  
Sample Receiving Date : JUL 16, 2015  
Testing Period : JUL 16, 2015 TO JUL 24, 2015



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Test Requested		Conclusion
1.	Per applicant's request, for compliance with the selected requirement(s) of ASTM F963-11 Standard Consumer Safety Specification on Toy Safety requirement	--
	ASTM F963-11 Standard Consumer Safety Specification for Toy Safety (Except test to clause 4.25)	PASS

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

Signed for and on behalf of  
 SGS-CSTC Standard Technical Services Co., Ltd.  
 Shenzhen Branch-Toy laboratory



Lin Shuzhen, Dora  
 Director



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**Results:**

**1. ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY**

AS SPECIFIED IN ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	Safety Requirements	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	<u>Pass</u> <u>(See Result Page)</u>
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	<u>Pass</u> <u>(See Result Page)</u>
4.3.5.2	Heavy Metal in Substrate Materials	<u>Pass</u> <u>(See Result Page)</u>
4.5	Sound-Producing Toys	<u>Pass</u>
4.6.1	Small Objects	<u>Pass</u>
4.7	Accessible Edges	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.11	Nails and Fasteners	<u>Pass</u>
4.25	Battery-Operated Toys	<u>N/C</u>
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	<u>Pass</u>
5.16	Promotional Materials	<u>Pass</u>
7	Producer's Markings	
7.1	Producer's Markings	<u>Pass</u>
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	<u>Pass</u>
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	<u>Pass</u>
8.10	Compression Test	<u>Pass</u>

\*\*Visual Examination

N/C = Not Conducted as per client's request.



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Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample

MUSICAL PLAYER

Burning Rate (inch/sec)

DNI

Requirement: A toy / component is considered a “flammable solid” if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

DNI = Did Not Ignite

**ASTM F963-11, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials**

Method: With reference to CPSC-CH-E1003-09.1

Method: With reference to ASTM F963-11 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
MDL (ppm)	10		
Total Limit (ppm)	90		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Dark blue (Button) w/ black (Eye), white (Sign) coating	4	1	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm)				90	60	25	1000	75	60	60	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	3	5	20.8	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. Dark blue coating (Button)

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - Migration results of eight elements shown are of the adjusted analytical results
  - As received, test portion of black (Eye), white (Sign) coating is(are) less than 10 mg, therefore such component(s) was(were) not tested for certain migration elements, as specified in ASTM F963-11 Clause 8.3.3.6 (2) – Selection of Test Portions
  - Result(s) of specimen No.1 (is)are extracted from report No.T51510221698TY.



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**ASTM F963-11, Clause 4.3.5.2 – Heavy Elements in Substrate Materials**

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.1

Method (metal materials): With reference to CPSC-CH-E1001-08.1

Method: With reference to ASTM F963-11 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)	Lead (Pb)		
<b>MDL (ppm)</b>	10		
<b>Total Limit (ppm)</b>	100		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. White plastic (Body)	1	1	ND
2. Blue plastic (Body)	1	2	ND
3. Red plastic (Button)	1	3	ND
4. White rubber (Ear)	2	1	ND
5. Silver metal screw	5	1	23



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	3	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	3	2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	3	3	/	ND	ND	ND	ND	ND	ND	ND	ND
4	3	4	/	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. White rubber (Ear)
2. White plastic (Body)
3. Blue plastic (Body)
4. Red plastic (Button)

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - Migration results of eight elements shown are of the adjusted analytical results
  - Result(s) of specimen No.1-No.4 (is)are extracted from report No.T51510221698TY.

N.B. : - Only applicable clauses were shown.



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