

## Test Report

No.: SZTY1307021672TS

Date: SEP 05, 2013

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ALILO DIGITAL TECHNOLOGY CO., LIMITED  
907-908,9/F,CHANGHONG TECHNOLOGY BUILDING,  
HI-TECH INDUSTRIAL PARK,NANSHAN,SHENZHEN,CHINA

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

DIGITAL PLAYER FOR CHILDREN'S EARLY EDUCATION

Sample Quantity	:	19 PCS
Style/Item No.	:	G6
Country of Origin	:	CHINA
Labeled Age Grading	:	12 MONTHS +
Requested Age Grading	:	1-5 YEARS OLD
Age Group Assessed As Per Age Guideline	:	OVER 1 YEAR
Age Group Applied in Testing	:	OVER 1 YEAR
Sample Receiving Date	:	JUL 24, 2013
Last Submission Sample Date	:	SEP 05, 2013
Testing Period	:	JUL 24, 2013 TO SEP 05, 2013

TEST REQUESTED : Per applicant's request, for compliance with the selected requirement(s) of ASTM F963-11 Standard Consumer Safety Specification on Toy Safety requirement (Except test of battery operated toy cable & adaptor)

CONCLUSION : The submitted samples comply with the requested test requirements.

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



Lin Shuzhen, Dora  
Lab Manager  
CNAS Approved Signatory

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## ASTM F963 - 11

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

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.	<u>Safety Requirements</u>	
4.1	Material Quality **.....	Pass
4.2	Flammability Test.....	Pass (See Result Page)
4.3	Toxicology	
4.3.5	Heavy Elements	
	4.3.5.1– Heavy Elements in Paint/Similar Surface Coating Materials.....	Pass (See Result Page)
	4.3.5.2 – Heavy Elements in Substrate Materials.....	Pass (See Result Page)
4.5	Sound-producing Toys.....	Pass
4.6	Small Objects	
4.6.1	Toys that are intended for children under 36 months of age.....	Pass
4.7	Accessible Edges.....	Pass
4.9	Accessible Points.....	Pass
4.11	Nails & Fasteners.....	Pass
4.25	Battery-Operated Toys.....	N/C
4.32	Certain Toys with Nearly Spherical Ends.....	Pass
5.	<u>Safety Labeling Requirements</u>	
5.2	Age Grading Labeling.....	Pass
5.16	Promotional Materials.....	Pass
6.	<u>Instructional Literature</u>	
6.1	Definition and Description.....	N/C
6.5	Battery-Operated Toys.....	N/C
7.	<u>Producer's Markings</u>	
7.1	Producer's Markings.....	Pass
8.	<u>Test Method</u>	
8.5	Normal Use Testing.....	Pass
8.7	Impact Test.....	Pass
8.8	Torque Test.....	Pass
8.9	Tension Test.....	Pass

\*\*Visual Examination

N/C = Not Conducted as per client request

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### Result Page :

Flammability Test (Clause 4.2)  
Flammability Test on Solid

<u>Sample</u>	<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
DIGITAL PLAYER FOR CHILDREN'S EARLY EDUCATION	DNI	0.1

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

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

Test Item(s)	Lead (Pb)		
MDL (ppm)	10		
Total Limit (ppm)	90		
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Black (Eye, mouth) & red (Face) coating on plastic w/ white coating on soft plastic (Keyboard)	2	1	ND

- Note:
- ppm = parts per million
  - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
  - MDL = Method Detection Limit
  - ND = Not Detected (lower than MDL)
  - As received, test portion of black (Eye, mouth), red (Face) coating on plastic, white (Keyboard) coating on soft plastic 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

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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-E1002-08.2

Method (metal materials): With reference to CPSC-CH-E1001-08.2

Method: With reference to ASTM F963-11 Clause 8.3

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

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 silicone rubber (Ear)	3	1	ND
2. White plastic (Head, hand, foot, button)	3	2	ND
3. Blue plastic (Body)	3	3	ND
4. Blue silicone rubber (Keyboard)	3	4	ND
5. Transparent green plastic (LED)	3	5	ND
6. Transparent red plastic (LED)	3	6	ND
7. Black plastic (Switch)	3	7	ND
8. Red plastic (Body)	3	8	ND
9. Red silicone rubber (Keyboard)	3	9	ND
10. Dk. pink plastic (Body)	3	10	ND
11. Pink silicone rubber (Keyboard)	3	11	ND
12. Silvery metal screw (Cover)	4	1	ND
13. Silvery metal USB (Base)	4	2	35

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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	1	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	1	2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	1	3	/	ND	ND	ND	ND	ND	ND	ND	ND
4	1	4	/	ND	ND	ND	ND	ND	ND	ND	ND
5	1	5	31.9	ND	ND	ND	ND	ND	ND	ND	ND
6	1	6	30.1	ND	ND	ND	ND	ND	ND	ND	ND
7	1	7	35.0	ND	ND	ND	ND	ND	ND	ND	ND
8	1	8	/	ND	ND	ND	ND	ND	ND	ND	ND
9	1	9	/	ND	ND	ND	ND	ND	ND	ND	ND
10	1	10	/	ND	ND	ND	ND	ND	ND	ND	ND
11	1	11	/	ND	ND	ND	ND	ND	ND	ND	ND

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### Specimen Description:

1. White silicone rubber (Ear)
2. White plastic (Head, hand, foot, button)
3. Blue plastic (Body)
4. Blue silicone rubber (Keyboard)
5. Transparent green plastic (LED)
6. Transparent red plastic (LED)
7. Black plastic (Switch)
8. Red plastic (Body)
9. Red silicone rubber (Keyboard)
10. Dk. pink plastic (Body)
11. Pink silicone rubber (Keyboard)

- 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.11 is(are) extracted from report No.SZTY1307033905LP.

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

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