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# **TEST REPORT**

APPLICANT : CSP INC

ADDRESS: 8248 W. ORANGE DR GLENDALE, AZ 85303 USA

**SAMPLE DESCRIPTION** : GROW CREATURE

STYLE / ITEM NO. : K5-608

BUYER : KIDS' KORNER

AGE REQUESTED ON APPLICATION FORM : 3+

LABELED AGE GRADE : AGES 3+

AGE GRADE APPLIED IN TESTING : OVER 3 YEARS

SAMPLE RECEIVED DATE : MAY 03, 2016

**TEST PERIOD** : MAY 04, 2016 TO MAY 24, 2016

**RESULT SUMMARY** : PLEASE REFER TO NEXT PAGE(S)

SIGNED FOR AND ON BEHALF OF EUROFINS TESTING TECHNOLOGY (SHENZHEN) CO. LTD.

Jamie Zhang Toy Physical Team Leader Harry Chen Assistant Lab Manager Coco Luo Assistant Lab Manager

This test report is valid for the tested samples only. Without permission of the test center this test report is not permitted to be duplicated in extracts.

This test report does not entitle to carry any safety mark on this or similar products.



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#### **RESULT SUMMARY**

TEST(S) REQUESTED BY APPLICANT:	RESULT
In accordance with ASTM F963-11 Standard Consumer Safety Specification for Toy Safety:	-
Physical and Mechanical Test	PASS
Flammability Test	PASS
Total Lead Content and Migration of Certain Elements	PASS
- Total Lead Content according to US Consumer Product Safety Improvement Act 2008 (CPSIA).	PASS
Total Lead Content with reference to customer's requirement with regard to California Proposition 65.	PASS
- Phthalates according to US Consumer Product Safety Improvement Act 2008 (CPSIA).	PASS
- Phthalates according to US California Proposition 65 and Assembly Bill AB 1108.	PASS



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## ASTM F963-11, Standard Consumer Safety Specification for Toy Safety

Section	Requirement	Result
4	Safety Requirements	<u> </u>
4.1	Material Quality	Р
4.2	Flammability	Р
4.3	Toxicology	T T
4.3.1	Hazardous Substances	N/A
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.4	Cosmetics	N/A
4.3.5	Total Lead Content and Migration of Certain Elements Test (See data table for detailed results.)	Р
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, and Powders	N/A
4.3.7	Stuffing Materials(Visual Inspection)	N/A
4.3.8	DEHP(DOP)	N/A
4.4	Electrical/Thermal Energy	N/A
4.5	Sound-Producting Toys	N/A
4.6	Small Objects	N/A
4.7	Accessible Edges	Р
4.8	Projections	N/A
4.9	Accessible Points	Р
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Plastic Film	N/A
4.13	Folding Mechanisms and Hings	
4.13.1	Folding Mechanisms	N/A
4.13.2	Hing-Line Clearance	N/A
4.14	Cords, Straps, and Elastics	•
4.14.1	Cords, Straps, and Elastics in Toys	N/A
4.14.2	Self Retracting Pull Cords	N/A



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Section	Requirement	Result
4.14.3	Pull Toys	N/A
4.14.4	Strings and Lines for Flying Devices	N/A
4.14.5	Cords on Toy Bags Intended for Children Up to 18 Months	N/A
4.15	Stability and Over-Load Requirements	<b>-</b>
4.15.1	Stability of Ride-On Toys and Toy Seats	N/A
4.15.2	Sideways Stability Requirements	N/A
4.15.3	Fore and Aft Stability	N/A
4.15.4	Stability of Stationay Floor Toys	N/A
4.15.5	Overload Requirements for Ride-On Toys and Toy Seats	N/A
4.15.6	Wheeled Ride-On Toys	N/A
4.16	Confined Spaces	-
4.16.1	Ventilation	N/A
4.16.2	Closures	N/A
4.16.3	Toys that Enclose the Head	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearance, and Accessibility of Mechanisms	•
4.18.1	Accessible Clearances for Moveable Segments	N/A
4.18.2	Circular Holes in Rigid Materials	N/A
4.18.3	Chains and Belts	N/A
4.18.4	Inaccessibility of Mechanisms	N/A
4.18.5	Winding Keys	N/A
4.18.6	Coil Springs	N/A
4.19	Simulated Protective Devices(such as helmets, hats, and goggles)	N/A
4.20	Pacifiers	N/A
4.20.1	Pacifiers Nitrosamine Content	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A



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Section	Requirement	Result
4.25	Battery-Operated Toys	N/A
4.25.10	Battery-Powered Ride-On Toys	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.29	Art Materials (Label review only)	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys with Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
5	Labeling Requirements	<u> </u>
5.2	Age Grading Labeling	N/A
5.3	Safety Lebeling Requirements	N/A
5.4	Aquatic Toys	N/A
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled By and Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges or Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	N/A
5.12	Toy Caps	N/A



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Section	Requirement	Result
5.13	Art Materials	N/A
5.14	Electric Toys	N/A
5.15	Battery-Operated Toys	N/A
5.16	Promotional Materials	Р
5.17	Magnets	N/A
6	Instructional Literature	
6.1	Definition and Description	Р
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled By a Adult	N/A
6.5	Battery-Operated Toys	N/A
6.6	Toys in Contact with Food	N/A
7	Producer's Markings	
7.1	Producer's Markings	Р
7.2	Battery-Powered Ride-on Toys	N/A
8	Test methods	•
8.5	Normal Use Testing	Р
8.7.1	Drop Test	Р
8.7.2	Tip over Test for Large, Bulky Toys	N/A
8.7.3	Tumble Test for Wheeled Toys	N/A
8.7.4	Impact Test for Toys that Cover the Face	N/A
8.8	Torque Tests for Removal of Components	Р
8.9	Tension Test for Removed of Components	Р
8.9.1	Tension Test for Seams in Stuffed Toys and Beanbag Type Toys	N/A
8.10	Compression Test	N/A
8.11	Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal	N/A
8.12	Flexure Test	N/A
8.13	Test for Mouth-Actuated Toys	N/A

Note: P = Pass N/A = Not Applicable



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#### **Material list**

Testing material No.	Component	Material	Colour
1	Coating on egg	Coating	Silvery
2	Coating on egg	Coating	Dark pink
3	Coating on egg	Coating	White
4	Substrate of white egg	Plastic	Light grey
5	Bird	Plastic	Pink
6	Coating on snake and dragon	Coating	Green
7	Substrate of dragon and snake	Plastic	Yellow



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# ASTM F963-11 4.3.5.1(1), Total Lead Content in Paint and Similar Surface-coating Materials

Test method : CPSC-CH-E1003-09.1

The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : 90 mg/kg – according to ASTM F963-11 Standard Consumer Safety

Specification for Toy Safety.

Detection Limit : 10 mg/kg

Test No.	Material No.	Test result (mg/kg)
Pb-1	1	N.D.
Pb-2	2	N.D.
Pb-3	3	N.D.
Pb-4	6	N.D.

### ASTM F963-11 4.3.5.2(2)(a), Total Lead Content in Accessible Component Parts

Test method : CPSC-CH-E1002-08.3

The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : 100 mg/kg – according to ASTM F963-11 Standard Consumer Safety

Specification for Toy Safety.

Detection Limit : 10 mg/kg

Test No.	Material No.	Test result (mg/kg)
Pb-5	4	N.D.
Pb-6	5	N.D.
Pb-7	7	N.D.

Note: -1 mg/kg = 1 ppm = 0.0001%



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# ASTM F963-11 4.3.5.2(2)(b), Migration of Certain Elements in Accessible Component Parts

Test method : As per ASTM F963-11, soluble toxic element contents are determined by

Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Detection limit : 2.5 mg/kg for each of the 8 soluble toxic elements

					Testing	element			
		As	Ва	Cd	Cr	Hg	Pb	Sb	Se
Test No.	Material No.	Limit (mg/kg)							
		25	1000	75	60	60	90	60	500
		Test result (mg/kg)							
No. 1	7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note: -1 mg/kg = 1 ppm = 0.0001%



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#### **Total Lead Content (CPSIA)**

Test method : CPSC-CH-E1002-08.3; CPSC-CH-E1003-09.1

The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit : For surface coating materials: 90 mg/kg

For non-surface coating (substrate): 100 mg/kg

- according to US Consumer Product Safety Improvement Act 2008

(CPSIA Sec.101).

Detection limit : 10 ppm

Test No.	Material No.	Test result (mg/kg)
Pb-1	1	N.D.
Pb-2	2	N.D.
Pb-3	3	N.D.
Pb-4	4	N.D.
Pb-5	5	N.D.
Pb-6	6	N.D.
Pb-7	7	N.D.

Note: -1 mg/kg = 1 ppm = 0.0001%



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#### **Total Lead Content (California Proposition 65)**

Test method : CPSC-CH-E1002-08.3; CPSC-CH-E1003-09.1

The sample was digested with acid. Then the lead content was determined by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

Limit For surface coating materials: 90 ppm

For non-surface coating (substrate): 100 ppm

- with reference to customer's requirement with regard to California

Proposition 65.

Detection limit : 10 ppm

Test No.	Material No.	Test result (ppm)
Pb-1	1	N.D.
Pb-2	2	N.D.
Pb-3	3	N.D.
Pb-4	4	N.D.
Pb-5	5	N.D.
Pb-6	6	N.D.
Pb-7	7	N.D.

Note: -1 mg/kg = 1 ppm = 0.0001%



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#### **Phthalates (CPSIA)**

Test method : CPSIA Sec.108, CPSC-CH-C1001-09.3.

Limit : 0.1% per substance - according to US Consumer Product Safety Improvement

Act 2008 (CPSIA).

Detection limit : 0.005% per substance

A: For toys and childcare articles:

Test No.			Phthalates-1	Phthalates-2
Material No.			1+2+3	5+7
Parameter	CAS No.	Unit	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.

B: Additional requirements for toys and childcare articles, which can be placed in the mouth by children:

Test No.			Phthalates-1	Phthalates-2
Material No.			1+2+3	5+7
Parameter	CAS No.	Unit	Test result	Test result
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.

Note: -1 mg/kg = 1 ppm = 0.0001%



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### **Phthalates (California Proposition 65)**

Test method : CPSIA Sec.108, CPSC-CH-C1001-09.3.

Limit : See below - US California Proposition 65 and Assembly Bill AB 1108.

Detection Limit : 0.005 % per substance

Test No.			Phthalates-1	Phthalates-2
Material No.			1+2+3	5+7
Parameter	CAS No.	Unit	Test result	Test result
Dibutylphthalate (DBP)	84-74-2	%	N.D.	N.D.
Benzylbutylphthalate (BBP)	85-68-7	%	N.D.	N.D.
Diethylhexylphthalate (DEHP)	117-81-7	%	N.D.	N.D.
Di-n-octylphthalate (DNOP)	117-84-0	%	N.D.	N.D.
Diisodecylphthalate (DIDP)	26761-40-0	%	N.D.	N.D.
Diisononylphthalate (DINP)	28553-12-0	%	N.D.	N.D.
Di-n-hexyl phthalate (DnHP)	84-75-3	%	N.D.	N.D.

#### Requirements:

Ordinance	Parameter	Maximum Allowable Limit
Proposition 65	Dibutylphthalate (DBP)	0.1%
-	Benzylbutylphthalate (BBP)	0.1%
	Diethylhexylphthalate (DEHP)	0.1%
	Diisodecylphthalate (DIDP)	0.1%
	Di-n-hexyl phthalate (DnHP)	0.1%
	Diisononylphthalate (DINP)	0.1%

Ordinance	Parameter	Maximum Allowable Limit			
Assembly Bill No. 1108	For toys and Childcare articles:				
Chapter 672	Dibutylphthalate (DBP)	0.1%			
	Benzylbutylphthalate (BBP)	0.1%			
	Diethylhexylphthalate (DEHP)	0.1%			
		ended for use by a child under three			
	years of age if that product can be placed in the child's mouth:				
	Di-n-octylphthalate (DNOP)	0.1%			
	Diisodecylphthalate (DIDP)	0.1%			
	Diisononylphthalate (DINP)	0.1%			

Note: -1 mg/kg = 1 ppm = 0.0001%

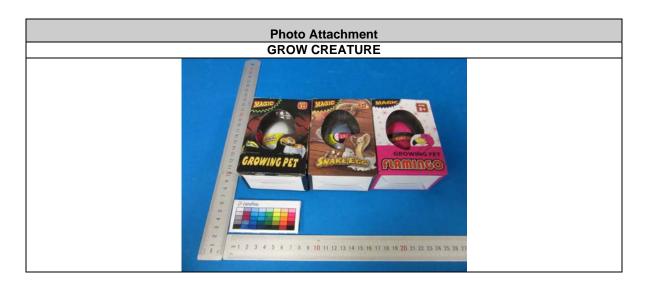


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#### Other Information / Remark:

- According to the customer's requirement, the appointed material has been tested.



\*\*\*END OF THE REPORT\*\*\*