

No.: 4270903-TL-01

Date: February 16, 2018

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PunkinFutz 241 Waverly Avenue Brookyln, NY 11205

#### ATTENTION: Lisa Radcliffe

The following sample(s)	was/were submitted and identified by the client as:	
Sample Description:	Marble Maze Fidget Therapeutic Child's Toy	
Packaging:	Not Provided	
Instructions for Use / Assembly:	Not Applicable	
Product ID #:	0014-01	
Date Code:	Not Provided	
Manufacturer:	PunkinFutz	
Country of Origin:	United States	
Labeled Age Grading:	4-12 years old	
Requested Age:	Not provided	
SGS Assessed Age:	4-12 years old	
(based on CR 14379/		
ASTM F963)		
Date Sample(s)	February 8, 2018	
Received:		
Testing Period:	February 8, 2018 – February 16, 2018	

Test Requested:	Result:
Safety of Toys – ASTM F963-16- physical and mechanical properties only	PASS
1. Standard Consumer Safety Specification for Toy Safety, ASTM F963-16 Clause 4.3.5	
a) Total lead in substrate material	PASS
b) Soluble heavy metals in substrate material	PASS
2. CPSIA Section 101(a)(2) – Lead in accessible substrate materials	PASS
3. CPSIA Section 108 – Phthalate Content	PASS
4. US California Proposition 65 – Lead Content	PASS
5. US California Proposition 65 – Phthalate Content	PASS

Comments: X-1: please note that only physical and mechanical properties were evaluated at the time of testing. Packaging and labeling requirements were not assessed.

#### Signed for and on Behalf of SGS North America, Inc.

Marcel

Laurainne Montinard, Technical Report Writer Toy Testing Lab

RR

Piyush Shah, Laboratory Manager Toy Testing Lab

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## Photograph Section:



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SGS North America Inc.



#### **Appropriate Age Grade Determination**

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-16, "Standard Consumer Safety Specification on Toy Safety". Annex A1

- The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
- If the client does not specify an age grade for testing or request SGS Consumer Testing Services, Inc. to determine an appropriate age grade, the labeled age grade was used for testing.

	Use and Ar	Duse lests				
The samples were tested	The samples were tested in accordance with sections 8.5 - 8.12 whenever applicable					
Test	Test Parameters					
Age Group	0-18 months	19-36 months	37-96 months			
Impact Test (8.7): -Drop Test (8.7.1)	4.5 feet x 10 times	3.0 feet x 4 times	3.0 feet x 4 times			
Torque Test (8.8)	2 in-lbf.	3 in-lbf.	4 in-lbf			
Tension Test for Removal of Component (8.9)	10 lbf.	15 lbf.	15 lbf.			
Compression (8.10)	20 lbf	25 lbf.	30 lbf.			
Removal of Tires (8.11.1)	10 lbs.	15 lbs.				
Flexure Test (8.12)	10 lbf.	15 lbf.	15 lbf.			

#### Use and Abuse Tests

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## **Chemical Analysis:**

## 1. Standard Consumer Safety Specification for Toy Safety, ASTM F963-16 Clause 4.3.5

## a) Total lead in substrate material

Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.1 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product' Method (metal materials): CPSC Test Method:CPSC-CH-E1001-08.1 'Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)'

Test Item	Result (%)	Reporting Limit	Limit (%)
rest item	1	(%)	LIIIII (70)
Lead (Pb)	ND	0.002	0.010
Comment	PASS		

Sample Description :

1. Green Material

- Note : 1. % = percentage by weight
  - 2. 1% = 10000 mg/kg (ppm)
  - 3. ND = Not Detected

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#### b) Soluble heavy metals in substrate material

Method : With reference to ASTM F963-16 Clause 8.3.1 – Total Element Content Screening (CPSC-CH-E1002-08.1). Analysis was performed by ICP-MS and/or ICP-OES..

Test Item		Result (mg/kg) 1	Reporting Limit (mg/kg)	Soluble Limit (mg/kg)
Total Lead	(Pb)	ND	20	90
Total Antimony	(Sb)	ND	20	60
Total Arsenic	(As)	ND	20	25
Total Barium	(Ba)	ND	100	1000
Total Cadmium	(Cd)	ND	20	75
Total Chromium	(Cr)	ND	20	60
Total Mercury	(Hg)	ND	20	60
Total Selenium	(Se)	ND	20	500
Comment		PASS		

Sample Description :

1. Green Material

- Note : 1. mg/kg = milligram per kilogram
  - 2. ND = Not Detected

3. Composite test has been performed and the result is calculated using the minimum sample weight.

Remark : The above total heavy metals contents of the submitted samples were within their corresponding soluble limits; hence no additional soluble analysis was performed in accordance with ASTM F963-16 Clause 8.3.5.

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Method : With reference to ASTM F963-16 Clause 8.3.5 – Soluble Elements Test Method. Analysis was performed by Inductively Coupled Argon Plasma – Optical Emission Spectrometry and/or ICP-MS.

Test Item			Result (mg/kg)			Limit (ma/ka)	
i est item		1	1 2 3		Limit (mg/kg)	Limit (mg/kg)	
Soluble Lead	(Pb)	ND	ND	ND	5	90	
Soluble Antimony	(Sb)	ND	ND	ND	5	60	
Soluble Arsenic	(As)	ND	ND	ND	2	25	
Soluble Barium	(Ba)	ND	ND	ND	10	1000	
Soluble Cadmium	(Cd)	ND	ND	ND	5	75	
Soluble Chromium	(Cr)	ND	ND	ND	5	60	
Soluble Mercury	(Hg)	ND	ND	ND	5	60	
Soluble Selenium	(Se)	ND	ND	ND	10	500	
Comment		PASS	PASS	PASS			

Test Item		Result (mg/kg) 4	Reporting Limit (mg/kg)	Limit (mg/kg)
Soluble Lead	(Pb)	ND	5	90
Soluble Antimony	(Sb)	ND	5	60
Soluble Arsenic	(As)	ND	2	25
Soluble Barium	(Ba)	14.3	10	1000
Soluble Cadmium	(Cd)	ND	5	75
Soluble Chromium	(Cr)	ND	5	60
Soluble Mercury	(Hg)	ND	5	60
Soluble Selenium	(Se)	ND	10	500
Comment		PASS		

Sample Description :

- 1. Blue Fabric
- 2. Pink Fabric
- 3. Yellow Fabric
- 4. Tag

Note : 1. mg/kg = milligram per kilogram

2. ND = Not Detected

3. Results of soluble heavy metal contents shown are of the adjusted analytical result.

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### 2. CPSIA Section 101(a)(2) – Lead in accessible substrate materials

Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.1 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product' Method (metal materials): CPSC Test Method: CPSC-CH-E1001-08.1 'Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)'.

Test Item	Result (%) 1	Reporting Limit (%)	Limit (%)**
Lead (Pb)	ND	0.002	0.010
Comment	PASS		

Sample Description :

- 1. Green Material
- Note : 1. % = percentage by weight
  - 2. 1% = 10000 mg/kg
  - 3. ND = Not Detected

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## 3. CPSIA Section 108 – Phthalate Content

Method: With reference to CPSC-CH-C1001-09.3. Analysis was performed by Gas Chromatography / Mass Spectrometry.

## For all Toys and childcare articles

Test Item	CAS No.	Result (%)	Detection Limit (%)	Permissible Limit (%)
		1	· · · · ·	. ,
Dibutyl Phthalate (DBP)	84-74-2	ND	0.015	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.015	0.1
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	0.0761	0.015	0.1
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-49-1	ND	0.015	0.1
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	0.015	0.1
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	ND	0.015	0.1
Diisobutyl Phthalate (DIBP)	84-69-5	ND	0.015	0.1
Di-n-pentyl Phthalate (DPENP)	131-18.0	ND	0.015	0.1
Di-n-hexyl Phthalate (DnHP)	84-75-3	ND	0.015	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.015	0.1
Comment		PASS		

Sample Description :

1. Green Material

Note: 1. % = percentage by weight 2. ND = not detected

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### 4. US California Proposition 65 – Lead Content

#### Substrates:

Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.1 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product' Method (metal materials): CPSC Test Method: CPSC-CH-E1001-08.1 'Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)'.

Test Item	Result (%)	Reporting Limit	Reference Limit
restillem	1	(%)	(%)
Lead (Pb)	ND	0.002	0.010
Comment	PASS		

Sample Description :

- Note : 1. % = percentage by weight
  - 2. 1% = 10000 mg/kg
  - 3. ND = Not Detected
- Remark: The reference limit applied in testing is based on particular prop 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical. A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with Proposition 65 by clearly informing the consumer of potential exposure.

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<sup>1.</sup> Green Material



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## 5. US California Proposition 65 – Phthalate Content

Method : With reference to CPSC-CH-C1001-09.3. Analysis was performed by Gas Chromatography / Mass Spectrometry.

Phthalates	CAS No.	<u>Result</u> (ppm) <u>1</u>	Detection Limit (ppm)	<u>Reference</u> Limit (ppm)
Dibutyl Phthalate (DBP)	84-74-2 ND		150	1000
Benzylbutyl Phthalate (BBP)	85-68-7	85-68-7 ND 150		1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	761	150	1000
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	ND	150	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	150	1000
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	ND	150	1000
Conclusion		PASS		

#### Sample Description :

1. Green Material

Note : 1. ppm = parts per million

2. ND = Not Detected

Remark: The reference limit applied in testing is based on particular prop 65 settlements that are most similar to the tested product in the opinion of the lab. The testing in this report does not reflect a user's actual exposure to the tested chemical. A manufacturer or retailer that is not named in the referenced settlement is not bound by that settlement, and may choose to comply with Proposition 65 by clearly informing the consumer of potential exposure.

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Date: February 16, 2018

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#### Physical and Mechanical Hazards: Toy Safety, ASTM F963-16

**Procedure (Summary):** The submitted samples were tested for compliance with the requirements of *ASTM F963-16*, for Toy Safety.

 Sample I.D.:
 Marble Maze Fidget Therapeutic Child's Toy

 Age Label on Product:
 4-12 years old

 Age Applied in Testing:
 4-12 years old

					Not
		Pass	Fail	N/A	Performed
4.	Safety Requirements				
4.1	Material Quality	Х			
4.2	Flammability – See 16 CFR 1500.44 Results for Details	Х			
4.3	Toxicology				
4.3.1	Hazardous Substances	Х			
4.3.2	Manufacturing and Packaging of Food			X	
4.3.3	Indirect Food Additives			Х	
4.3.4	Cosmetics			Х	
4.3.5	Heavy Elements	Х			
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels & Powders			Х	
4.3.7	Stuffing Materials			Х	
4.3.8	DEHP (DOP)	Х			
4.4	Electrical/Thermal Energy			Х	
4.5	Sound Producing Toys			X	
4.6.1	Toys Intended for Children Under 36 Months	Х			
4.6.2	Mouth Actuated Toys			Х	
4.6.3	Small Parts Labeling from 3 – 6 years				X-1
4.7	Accessible Edges	Х			
4.8	Projections			Х	
4.9	Accessible Points			Х	
4.10	Wires or Rods			Х	
4.11	Nails and Fasteners			Х	
4.12	Plastic Film			Х	
4.13	Folding Mechanisms and Hinges			Х	
4.14	Cords, Straps and Elastics			Х	
4.15	Stability and Over-Load Requirements			Х	
4.16	Confined Spaces			X	
4.17	Wheels, Tires, and Axles			X	
4.18	Holes, Clearance, and Accessibility of Mechanisms			X	
4.19	Simulated Protective Devices			X	
4.20	Pacifiers			Х	

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		Dooo	Fail	N/A	<u>Not</u> Performed
4.21	Drojactila Tava	<u>Pass</u>	<u>rali</u>	<u>N/A</u>	Penonneu
	Projectile Toys				
4.22	Teethers and Teething Toys			X	
4.23	Rattles			X	
4.24	Squeeze Toys			X	
4.25	Battery-Operated Toys			Х	
4.26	Toys Intended to be Attached to a Crib or Playpen			Х	
4.27	Stuffed and Beanbag-Type Toys			Х	
4.28	Stroller and Carriage Toys			Х	
4.29	Art Materials			Х	
4.30	Toy Gun Marking			Х	
4.31	Balloons			Х	
4.32	Certain Toys with Nearly Spherical Ends			Х	
4.33	Marbles			Х	
4.34	Balls			Х	
4.35	Pompoms			Х	
4.36	Hemispheric-Shaped Objects			Х	
4.37	Yo Yo Elastic Tether Toys			Х	
4.38	Magnets			Х	
4.39	Jaw Entrapment			Х	
4.40	Expanding Materials			Х	
4.41	Toy Chests			Х	

		Pass	Fail	<u>N/A</u>	<u>Not</u> Performed
	Safety Labeling Requirements				
CPSIA Sec. 103	Tracking Label				X-1
CPSIA Sec. 104	Product Registration Card			Х	

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		Pass	Fail	N/A	Not Performed
5	Safety Labeling Requirements	1000	<u>1 dii</u>	<u></u>	<u>- ononiou</u>
5.1	Federal Government Requirements				X-1
5.2	Age Grading Labeling				X-1
5.3	Safety Labeling Requirements				X-1
5.4	Aquatic Toys			Х	
5.5	Crib and Playpen Toys			Х	
5.6	Mobiles			Х	
5.7	Stroller and Carriage Toys			Х	
5.8	Toys Intended to be Assembled by an Adult			Х	
5.9	Simulated Protective Devices			Х	
5.10	Toys with Functional Sharp Edges Or Points			Х	
5.11	Small Objects, Small Balls, Marbles and Balloons			Х	
5.12	Toy Caps			Х	
5.13	Art Materials			Х	
5.14	Electric Toys			Х	
5.15	Battery Operated			Х	
5.16	Promotional Material			Х	
5.17	Magnets			Х	

					Not			
		Pass	Fail	N/A	Performed			
6	Instructional Literature							
6.1	Definition and Description				X-1			
6.2	Crib and Playpen Toys			Х				
6.3	Mobiles			Х				
6.4	Toys Intended to be Assembled By an Adult			Х				
6.5	Battery Operated Toys			Х				
6.6	Battery Powered Ride-on Toys			Х				
6.7	Toys in Contact with Food			Х				
6.8	Toy Chests Instructions			Х				

		Pass	Fail	N/A	Not Performed
7	Producer's Markings				
7.1	Name and Address of Producer or Distributor				X-1
7.2	Battery-Powered Ride-On Toys			Х	
7.3	Toy Chests			X	

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					Not
		Pass	Fail	N/A	Performed
8	Test Methods				
8.5	Normal Use Testing	Х			
8.5.1	Washable toys			X	
8.7	Impact Tests	X			
8.8	Torque Testing for Removal of Components	Х			
8.9	Tension Testing for Removal of Components	Х			
8.10	Compression Testing			X	
8.11	Tests for Tire Removal and Wheel/Axle Assemblies			X	
8.12	Flexure Test			X	
8.13	Test for Mouth-Actuated Toys			Х	
8.14	Projectiles			Х	
8.15	Test for Stability of Ride-On Toys			Х	
8.16	Tension Test for Pom-Poms'			X	
8.17	Stalled Motor Test			Х	
8.18	Test for Battery Powered Ride-On Toys			X	
8.19	Tests for Toys that Contain Secondary Cells or Batteries			X	
8.20	Tests for Toys Which Produce Noise			Х	
8.21	Dynamic Strength Tests for Wheeled Ride-On Toys			Х	
8.22	Packaging Film Thickness			X	
8.23	Test for Loop and Cord			Х	
8.24	Yo-Yo Elastic Tether Toy			Х	
8.25	Magnet Testing			X	
8.26	Test Methods for Locking Mechanisms			Х	
8.27	Tests for Toy Chest Lids and Closures			Х	
8.28	Test for Overload of Ride-On Toys and Toy Seats			X	
8.29	Stuffing Materials Evaluation			X	
8.30	Expanding Materials			Х	

**Conclusion:** When tested as specified, the submitted sample **does comply** with the requirements of ASTM F963-16 for toy safety.

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

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