

Applicant:

Date: May 09, 2017

Sample Description:

Six (6) pieces of submitted sample said to be :

Item Name	: PPSKU Fidget Spinner.
SKU No.	: 01381193.
P.O. No.	: 637850.
Vendor	:
Additional Material and Wet Paint Provided	: No.
Age Grade for Test	: 3+.
Packaging Provided	: Yes(artwork).
Country of Origin	: --.
Division	: Spirit.
Product Category	: Children Halloween accessories (Toy).
Overall Result	: Pass.
Remark	:

Date Sample Received : May 05, 2017.



To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Ben N.L. Lin
General Manager





Test Report

Number: SZHH01150824

Tests Conducted:

As requested by the applicant, for details refer to attached page(s)

Conclusion:

<u>Tested samples</u>	<u>Requirement</u>	<u>Result</u>
Submitted samples	Consumer product safety improvement act (CPSIA) 2008 Section 103 Tracking labels for children product	See test conducted

<u>Tested Samples</u>	<u>Standard – U.S. ASTM F963-11</u>	<u>Result</u>
Submitted samples	Physical and mechanical tests	Pass

	Flammability test of materials other than textile materials	Pass
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Tested components of submitted samples	Heavy elements test	Pass
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<u>Tested Samples</u>	<u>Standard – U.S. ASTM F963-16</u>	<u>Result</u>
Submitted samples	Physical and mechanical tests	Pass

	Flammability test of materials other than textile materials	Pass
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Tested components of submitted samples	Heavy elements test	Pass
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<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	U.S. CFR Title 16 Part 1303 total Lead content	Pass

	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Pass
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	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass
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Test Report

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Tests Conducted

1 Tracking label assessment

Tracking label on the product

Name of manufacturer	Not Present
Location	Not Present
Date code	Not Present
Batch No.	Not Present

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.



Tests Conducted

2 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-11.

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations :

<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact test	Section 1500.53(b)	4 x 3.0 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months (small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics in toys	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices, such as helmets, hats and goggles	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA



Tests Conducted

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	Yes
	- Name of producer/distributor (Package)	Yes
	- Address (Package)	Yes

Remark: The submitted samples were undergone the tests in accordance with section 8.5 through section 8.18 and 8.20 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass NA = Not Applicable

3 Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.



Tests Conducted

4 Total Lead (Pb) Content

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, test method CPSC-CH-E1001-08.1, CPSC-CH-E1002-08.1 or/and CPSC-CH-E1003-09.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (1)		
Lead (Pb)	ND	10	90

(II) Non-surface coating

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (2+3+4),(5)to(7)		
Lead (Pb)	ND	10	100

ppm = part per million = mg/kg
 ND = Not detected
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

5 Heavy Elements Analysis (except modelling clay)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-11, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting limit (ppm)	Limit (ppm)
	Tested component (1)to(5)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble
 ppm = part per million = mg/kg
 ND = Not detected
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

Tests Conducted

6 Physical and Mechanical Tests

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-16.

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations :

<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Impact test	Section 1500.53(b)	4 x 3.0 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Material quality (visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for children at least 36 months but less than 72 months (small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA



Tests Conducted

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labelling requirement	P
6	Instructional literature	P
7	Producer's markings	
7.1	- Name of producer/distributor (Package)	Yes
	- Address (Package)	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA





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Tests Conducted

Remark: The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass

NA = Not Applicable

7 Flammability Test

As per section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.

8 Total Lead (Pb) Content

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16, test method CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (1)		
Lead (Pb)	ND	10	90

(II) Non-surface coating

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (2+3+4),(5)to(7)		
Lead (Pb)	ND	10	100

ppm = part per million = mg/kg

ND = Not detected

θ = Single result for each test component/group

Tested Components: See component list in the last section of this report





Test Report

Number: SZHH01150824

Tests Conducted

9 Heavy Elements Analysis (except modelling clay)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-16, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting limit (ppm)	Limit (ppm)
	Tested component		
	(1)to(5)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble
ppm = part per million = mg/kg
ND = Not detected
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

10 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1)		
Lead (Pb)	ND	10	90

ppm = parts per million = mg/kg
ND = Not detected

Tested component: See component list in the last section of this report



Test Report

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Tests Conducted

11 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (2+3+4),(5)to(7)		
Lead (Pb)	ND	10	100

ppm = parts per million = mg/kg
ND = Not detected
 θ = Single result for each test component/group

Tested components: See component list in the last section of this report

Component list:

- (1) Silver color coating on plastic (spinner).
- (2) Dull white plastic excluding coating (silver color spinner).
- (3) Red plastic (red spinner).
- (4) Blue spinner (blue spinner).
- (5) Black plastic (fastener of spinner).
- (6) Silver color metal (small round of all spinners).
- (7) Silver color metal (round of all spinners).

End of report

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