



Test Report

Report No : AT20220670162EN

Date: Jun.16,2022

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Applicant : Qingdao Fidget Toy Co.,Ltd
Address : No. 1 Tongjiang Road, Huangdao District, Qingdao City, Shandong Province, China, 266555
Manufacture : Qingdao Fidget Toy Co.,Ltd
Address : No. 1 Tongjiang Road, Huangdao District, Qingdao City, Shandong Province, China, 266555

The following sample(s) was /were submitted and identified on behalf of the clients as :

Sample Name : Light up pop tube fidget toy
Sample Description : Pop tubes fidget toys with led lights
Test Age Grading : Over 3 years old
Manufacture Date : 2022.5.9
Sample Received Date : Jun.10,2022
Testing Period : Jun.10,2022 To Jun.16,2022
Test Requested : Test samples according to customer requirements
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).

Dongguan True Safety Testing Co., Ltd.



YUE
Report writer

King Mei
Report Reviewer

Arnold Hu
Technical Supervisor

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	TEST REQUESTED	CONCLUSION
I	Consumer Product Safety Improvement Act of 2008 (CPSIA)	--
	CPSIA Sec.101.(a) Lead in Non-Metal Children's Products	
1	CPSIA Sec.101.(f) Lead content for coating	PASS
2	CPSIA Sec.108 Determination of Phthalates	PASS
II	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety;	--
1.	Physical & Mechanical Test	PASS
2.	Section 4.2- Flammability Test	PASS
3	Section 4.3.5.1-Heavy metal content in paint and similar surface coating material	PASS
4	Section 4.3.5.2-Heavy Elements in Substrate Materials	PASS
	As specified in title 16, code of federal regulations, chapter II- consumer products	
III	safety commission of U.S.A	--
1	-16 CFR 1500.48 Sharp Point	PASS
2	-16 CFR 1500.49 Sharp Edge	PASS
3	-16 CFR 1501 Small part rule	PASS
IV	CPSA Section 14(a)(5) -Tracking Label	PASS

Sample photo:

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WARNING



I. Test Result(s) of CPSIA

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Sample Description:

No.	Description
1	plastic
2	coating
3	Metal

CPSIA Sec.101.(a)&(f) Lead & CPSIA Sec.108 Determination of Phthalates

Test Item	Test Method	Test Equipment
Total Lead	CPSC-CH-E1001-08.3 (metal), CPSC-CH-E1002-08.3 (nonmetal), CPSC-CH-E1003-09.1 (coating/paint)	ICP-AES
Phthalate	CPSC-CH-C1001-09.4	GC-MS

Test Item(s)	Result 1	Result 2	MDL	Limit
Total Lead	N.D.	N.D.	5	100(substrate) 90(coating/paint)
Dibutyl Phthalate(DBP)	N.D.	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	30	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	30	1000
Diisononyl Phthalate(DINP)	N.D.	N.D.	100	1000
Di-n-hexyl phthalate(DHEXP)	N.D.	N.D.	30	1000
Di-iso-butyl ortho-phthalate(DIBP)	N.D.	N.D.	30	1000
Dicyclohexyl ortho-phthalate (DCHP)	N.D.	N.D.	30	1000
Diamyl phthalate(DPENP)	N.D.	N.D.	30	1000

Note:

1. mg/kg= ppm;
2. N.D.=No Detection(<MDL);
3. MDL =Method Detection Limit.

II. Test Result(s) of ASTM F963-17

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ASTM F963-17 Standard Consumer Safety Specification For Toy Safety:Physical & Mechanical Tests

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	PASS
4.2	Flammability Test	PASS (See Result Page)
4.3	Toxicology	--
4.3.5	Heavy Elements	--
4.3.5.1	Paint and Similar Surface-Coating Materials	PASS (See Result Page)
4.3.5.2	Toy Substrate Materials	PASS (See Result Page)
4.6	Small objects	--
4.6.1	Toys that are intended for children under 36 months of age	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games that are intended for use by children who are at least three years old but less than six years of age	PASS
4.7	Accessible edges	PASS
4.8	Projections	NA
4.9	Accessible points	PASS
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
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA

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Section	Testing Items	Assessment
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teether and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-Operated Toys	PASS
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
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding materials	NA
5	Labeling requirements	--
5.1	Federal government requirements	PASS
5.2	Age grading labeling	PASS

Remark :The toy or package should indicate the minimum age for intended use.

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Section	Testing Items	Assessment
5.3	Safety Labeling Requirements	PASS
5.4	Aquatic Toys	NA
5.5	Crib and Playpen Toys	NA
5.6	Mobiles	NA
5.7	Stroller and Carriage Toys	NA
5.8	Toys Intended to be Assembled By an Adult	NA
5.9	Simulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges or Points	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	NA
5.12	Toy Caps	NA
5.13	Art Materials	NA
5.14	Electric Toys	NA
5.15	Battery-Operated Toys	PASS
5.16	Promotional Materials	NA
5.17	Magnets	NA
6	Instructional literature	--
6.1	Definition and description	PASS
6.2	Crib and playpen toys	NA
6.3	Mobiles	NA
6.4	Toys intended to be assembled by an adult	NA
6.5	Battery-operated toys	PASS
6.6	Battery powered ride-on toys	NA
6.7	Toys in contact with food	NA
6.8	Toy Chests	NA
7	Producer's markings	--
7.1	Name of producer/distributor and Address (toy & package)	PASS

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Section	Testing Items	Assessment
7.2	Battery-Powered Ride-on Toys	NA
7.3	Toy Chests	NA
8	Test Methods	--
8.5	Normal use testing	PASS
8.5.1	Washable test	NA
8.6	Abuse Testing	PASS
8.7	Impact test	PASS
8.8	Torque test	PASS
8.9	Tension test	PASS
8.10	Compression test	NA
8.12	Flexure test	NA
8.13	Methods for Mouth-Actuated Toys and Mouth-Actuated Projectile Toys Test	NA
8.14	Projectiles	NA
8.16	Tension test for pompoms	NA

Note / Key :.NA = Not Applicable, NC= Not Conducted as per client's request.

Result Page of ASTM F963-17:

1.ASTM F963-17 Flammability Test Section 4.2

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Test method: 16 CFR 1500.44: Method for determining extremely flammable and flammable solids.

Sample	Burn rate (inch/sec.)	Limit (inch/sec.)
Light up pop tube fidget toy	DNI	0.10

Note / Key :

1. DNI = Did not ignite.
2. NA = Not Applicable
3. IBE = Ignited but self-extinguished before burn-rate could be determined.
4. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.
5. The burn rate of a composite product (that is solid/fabric combined)exceeds 0.1 in./s in part due to the presence of a permanently attached fabric, then a secondary test to fabric separately was conducted in accordance the standard

2.ASTM F963-17 Section 4.3.5.2&Section 4.3.5.1- Heavy Elements in Substrate Materials

Sample Description:

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No.	Description
1	plastic
2	coating
3	Metal

Test Method: ASTM F963-17, Section 8.3.5 (Excluding 8.3.5.5(3)).

Test Item(s)	Unit	Result No.1	Result No.3	MDL	Limit
Soluble Arsenic (As)	mg/kg	ND	ND	2.5	25
Soluble Barium (Ba)	mg/kg	ND	ND	5	1000
Soluble Cadmium (Cd)	mg/kg	ND	ND	5	75
Soluble Chromium (Cr)	mg/kg	ND	ND	5	60
Soluble Mercury (Hg)	mg/kg	ND	ND	5	60
Soluble Lead (Pb)	mg/kg	ND	ND	5	90
Soluble Antimony (Sb)	mg/kg	ND	ND	5	60
Soluble Selenium (Se)	mg/kg	ND	ND	5	500
Total Lead (Pb)	mg/kg	ND	ND	10	100
Conclusion	-	PASS	PASS	-	-

Note / Key :1.ND = Not detected(<MDL)

2.mg/kg = milligram per kilogram = ppm = part per

3. MDL = Method Detection Limit

4. Tested part(s) was/were specified by client

Test method: ASTM F963-17, Section 8.3.5 (Excluding 8.3.5.5(3)).

Test Item(s)	Unit	Result	--	MDL	Limit
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		No.2			
Soluble Arsenic (As)	mg/kg	ND	--	2.5	25
Soluble Barium (Ba)	mg/kg	ND	--	5	1000
Soluble Cadmium (Cd)	mg/kg	ND	--	5	75
Soluble Chromium (Cr)	mg/kg	ND	--	5	60
Soluble Mercury (Hg)	mg/kg	ND	--	5	60
Soluble Lead (Pb)	mg/kg	ND	--	5	90
Soluble Antimony (Sb)	mg/kg	ND	--	5	60
Soluble Selenium (Se)	mg/kg	ND	--	5	500
Total Lead (Pb)	mg/kg	ND	--	10	90
Conclusion	-	PASS	--	-	-

Note / Key :1.ND = Not detected(<MDL)

2.mg/kg = milligram per kilogram = ppm = part per

3. MDL = Method Detection Limit

4. Tested part(s) was/were specified by client

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III.CPSC 16 CFR 1500.48,16 CFR 1500.49,16 CFR 1500.50 and CPSC 16 CFR 1501- Small Part

<u>NO.</u>	<u>Test Item(s)</u>	<u>Requirements of Standard</u>	<u>Assessment</u>
1	16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	PASS
2	16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	PASS
3	CPSC 16 CFR 1500.50	Normal use testing	PASS
4	CPSC 16 CFR 1500.53b	Impact test	PASS
5	CPSC 16 CFR 1500.53c	Bite test	PASS
6	CPSC 16 CFR 1500.53d	Flexure test	NA
7	CPSC 16 CFR 1500.53e	Torque test	PASS
8	CPSC 16 CFR 1500.53f	Tension test	PASS
9	CPSC 16 CFR 1500.53g	Compression test	PASS
10	CPSC 16 CFR 1501-Small part	Toys and other article intended for use by children under 3 years of age shall not have small parts since it presents a choking, aspiration, or ingestion hazard. Toys and other article are subject to this requirement before or after use and abuse testing.	PASS

NOTE:NA. = Not Applicable

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IV. As specified in Consumer Product Safety Act (CPSA) of Section 14(a)(5) Tracking Label for children's products.

Section	Requirements of Standard	Assessment
14(a)(5)	Effective 1 year after the date of enactment of the Consumer Product Safety Improvement Act of 2008, the manufacturer of a children's product shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable, that will enable— (i) the manufacturer to ascertain the location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks; and (ii) the ultimate purchaser to ascertain the manufacturer or private labeler, location and date of production of the product, and cohort information (including the batch, run number, or other identifying characteristic).	PASS

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

-N/A = Not Applicable

- Tracking label as shown in the attached figure/table

Product Label	
Sample Name	Light up pop tube fidget toy
Material	Plastics,Metal
Applicable age	Over 3 years old
Manufacture Date	2022.5.9
Manufacturer	Qingdao Fidget Toy Co.,Ltd
Address	No. 1 Tongjiang Road, Huangdao District, Qingdao City, Shandong Province, China, 266555

*** End of Report ***

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