

Test Report

Report No.: U026051906042612

Query Password: QW3447

Date: Jun. 10, 2019

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Applicant: Shenzhen Tak Blue Technology Co.,Ltd.

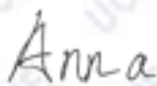
Contact information: Shenzhen Baoan District Xixiang Crane Island Development Zone Branch Connaught Industrial Park, Building 1, 6F.

The following sample(s) was (were) submitted and identified by client as:

Sample Name : Children's digital camera
 Model No. : D6
 Manufacturer : Shenzhen Tak Blue Technology Co.,Ltd.
 Address : Shenzhen Baoan District Xixiang Crane Island Development Zone Branch
 Connaught Industrial Park, Building 1, 6F.
 Materials : Plastic, Metal
 Battery : Charge battery 3.7V
 Packaging Type : Close box
 Instruction Manual/Sheet : Yes
 Labeled Age Grading : Not suitable for children under 3 years old
 Requested Age Grading : 3+
 Age Group Applied in Testing : Over 3 years old
 Sample Received Date : Jun. 4, 2019
 Testing Period : From Jun. 4, 2019 to Jun. 10, 2019
 Test Request : Please refer to next page(s).
 Test Result(s) : Please refer to next page(s).

Signed for and on behalf of Shen Zhen UONE Test Co., LTD.

Prepared by



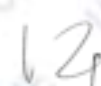
Anna Li

Checked by



Nora Deng

Approved by



Pascal Shi



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Summary of Test Results (Tested parts are required partially by client):
TEST REQUEST**CONCLUSION**

ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety

(1)	Mechanical and Physical Properties(Excluding Section 4.25.11, 8.19)	PASS
(2)	Flammability	PASS
(3)	Total Lead content in substrate material	PASS
(4)	Soluble Heavy Metals content in substrate material	PASS

U.S. Consumer Product Safety Improvement Act 2008 (CPSIA) Title I , Section 101

(5)	Total Lead (Pb) content	PASS
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U.S. Consumer Product Safety Improvement Act 2008 (CPSIA) Title I , Section 108

(6)	Phthalates (DEHP, DBP, BBP, DINP, DIBP, DPENP, DHEXP, DCHP) content	PASS
(7)	CPSC- Safety Aspects Related to Mechanical and Physical Properties	PASS

U.S. Federal Hazardous Substances Act (FHSA) CPSC 16 CFR 1610

(8)	Flammability Test on Textile Materials	PASS
(9)	Consumer Product Safety Improvement Act of 2008 on Tracking labels for children's products	PASS

CPSC 16 CFR 1303: Ban of Lead-containing paint and certain consumer products bearing lead-containing paint

(10)	Total Lead (Pb) content	NA
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NA = Not Applicable

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Test Material(s) List

Material No.	Description (Location)	Remark
1	Pink plastic(main)	/

Test Result(s):

(1) Mechanical and Physical Properties – ASTM F963-17

Section	Test Item	Assessment
4.1	Material Quality	PASS
4.2	Flammability	PASS (See Flammability test result)
4.4	Electrical/Thermal Energy	NA
4.5	Sound-Producing Toys	NA
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 (<8yrs)	PASS
4.8	Projections (<8yrs)	NA
4.9	Accessible Points (<8yrs)	PASS
4.10	Wires or Rods (<14yrs)	NA
4.11	Nails and Fasteners (<14yrs)	PASS
4.12	Packaging film (<14yrs)	NA
4.13	Folding Mechanisms and Hinges (<14yrs) Remark: not applicable because of the weight of part link with hinge is less than 0.5lb.	NA
4.14	Cords ,straps, and Elastics (<14yrs)	NA
4.15	Stability and Over-Load Requirements	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles <36M (<8yrs)	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA

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4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectiles Toys	NA
4.22	Teethers and Teething Toys	NA
4.23	Rattles	NA
4.24	Squeeze Toys	NA
4.25	Battery-Operated Toys	
4.25.1	Battery marking	PASS
4.25.2	Maximum allowable direct current potential	PASS
4.25.3	Design for battery-operated toys	NA
4.25.4	Accessible batteries	NA
4.25.5	Accessible batteries that can fit completely within small part cylinder	PASS
4.25.6	Isolation of batteries of different types or capacities	NA
4.25.7	Temperature of battery surface	PASS
4.25.8	Temperature of battery surface or combustion hazard after normal use and abuse test	PASS
4.25.9	Instruction requirement	NA
4.25.10	Battery-powered ride on toys	NA
4.25.11	Toys that Contain Secondary Cells or Secondary Batteries	NC
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 Spherical Ends (<4yrs)	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA

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4.36	Hemispheric-Shaped Objects (<3yrs)	NA
4.37	Yo Yo 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	Safety Labeling Requirements	
5.1	Federal Government Requirements	NA
5.2	Age Grading Labeling	PASS
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 and Sharp Points (4-8yrs)	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	PASS
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	PASS
5.17	Magnets	NA
6	Instructional literature	
6.1	Definition and Description	PASS
6.2	Crib and Playpen Toys	NA
6.3	Mobiles	NA

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6.4	Toys Intended to be Assembled by an Adult	NA
6.5	Battery-Operated Toys	NA
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	Producer's Markings	PASS
7.2	Battery-Powered Ride-on Toys	NA
7.3	Toy Chests	NA
8.5	Normal Use Testing	PASS
8.5.1	Washable Test	NA
8.7	Impact Test	PASS
8.8	Torque Test	PASS
8.9	Tension Test	PASS
8.10	Compression Test	NA
8.11	Test for Tire Removal and snap-in wheel and axle assembly removal	NA
8.12	Flexure Test	NA
8.13	Test for Mouth-Actuated Toys and Mouth-Actuated Projectile Toys	NA
8.14	Projectiles	NA
8.15	Test for Stability of Ride-on Toys or Toy Seats	NA
8.16	Tension Test for Pompoms	NA
8.17	Stalled Motor Test for Battery-operated Toys	NA
8.18	Tests for Battery-Powered Ride-on Toys	NA
8.19	Tests for Toys that Contain Secondary Cells or Batteries	NC
8.20	Tests for Toys Which Produce Noise	NA
8.21	Dynamic Strength Test for Wheeled Ride-on Toys	NA
8.22	Plastic Film Thickness	NA
8.23	Test for Loops and Cords	NA

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8.24	Yoyo Elastic Tether Toy Test Methods	NA
8.25	Magnet Test Methods	NA
8.26	Test Methods for Locking Mechanisms or Other Means	NA
8.27	Test for Toy Chest Lids and Closures	NA
8.28	Test for Overload of Ride-on Toys and Toy Seats	NA
8.29	Stuffing Materials Evaluation	NA
8.30	Expanding Materials Test Method	NA

Note: NA = Not Applicable
 NC= Per client's requirement, Section 4.25.11, 8.19 were not evaluated.

(2) Flammability of Solids and Soft Toys – ASTM F963-17(A5)

Sample	Burn Rate (in./sec.)*	Limit (in./sec.)
Camera	DNI	0.1

Note: DNI = Did Not Ignite
 * = Burning rate has been rounded to the nearest one tenth of an inch per second.
 All styles of submitted sample(s) (and its accessories) was/were tested, the above result only showed the most severe burn rate.

(3) Total Lead content in substrate material - ASTM F963-17 Section 4.3.5.2

Test Method: With reference to ASTM F963-17 Section 8.3.1, was analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Material No.	RL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
1	10	100	N.D.	PASS

Note: 1. mg/kg = milligram per kilogram (ppm).
 2. RL = report limit.
 3. N.D.=not detected (<RL).

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(4) Soluble Heavy Metals content in substrate material - ASTM F963-17 Section 4.3.5.2

Test Method: With reference to ASTM F963-17 Section 8.3.2 to Section 8.3.5, was analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Elements	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Conclusion
Limit (mg/kg)	60	25	1000	75	60	90	60	500	
RL (mg/kg)	5	2.5	5	5	5	5	5	5	
Material No.	Result (mg/kg)								PASS
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. RL = report limit.
 3. N.D.=not detected (<RL).
 4. All the reported results are adjusted analytical results with the analytical correction shown in the following table.

Element	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical correction (%)	60	60	30	30	30	30	50	60

(5) Total Lead (Pb) content

Total Lead (Pb) content (In substrate)

Test Method: With reference to

Nonmetal - CPSC-CH-E1002-08.3, was analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Material No.	RL(mg/kg)	Limit (mg/kg)	Test Result (mg/kg)	Conclusion
1	10	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. RL = report limit.
 3. N.D.=not detected (<RL).

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(6) Phthalates (DEHP, DBP, BBP, DINP, DIBP, DCHP, DPENP, DHEXP)

Test Method: With reference to CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	CAS No.	RL (%)	Limit (%)	Result (%)
				1
Diocetyl phthalate (DEHP)	117-81-7	0.0020	0.1	N.D.
Dibutyl phthalate (DBP)	84-74-2	0.0020	0.1	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	0.0020	0.1	N.D.
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	0.0040	0.1	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	0.0020	0.1	N.D.
Diamyl phthalate (DPENP)	131-18-0	0.0020	0.1	N.D.
Di-n-Hexyl phthalate (DHEXP)	84-75-3	0.0020	0.1	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	0.0020	0.1	N.D.
Conclusion				PASS

- Note:**
1. % = percentage by weight, 0.1% = 1000mg/kg = 1000ppm.
 2. RL = report limit.
 3. N.D.=not detected (<RL).

(7) CPSC- Safety Aspects Related to Mechanical and Physical Properties

Appropriate Age Grade: Over 3years old

Testing Parameters	Test Methods	Requirement	Result
Sharp Points	CPSC 16 CFR 1500.48	Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp points before or after the use and abuse test.	PASS
Sharp Edges	CPSC 16 CFR 1500.49	Items intended for children under 8 years of age shall not have accessible, potentially hazardous sharp edges before or after use and abuse test.	PASS
Small Parts	CPSC 16 CFR 1501	Items intended for children under 36 months (3years) of age shall not include removable, liberated components, or fragments of products before or after use and abuse that are small enough (without	NA

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	being compressed) to fit entirely within the small parts cylinder.	
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Use and abuse testing (16 CFR 1500.50-53):

Applicable section	Description	Test Condition
16 CFR 1500.50	Normal use testing	
16 CFR 1500.50	Abuse testing	
16 CFR 1500.53(b)	Impact Test	4×3ft
16 CFR 1500.53(e)	Torque test	4in.lbf
16 CFR 1500.53(f)	Tension test	15lbf
16 CFR 1500.53(g)	Compression test	NA
16 CFR 1500.52(c)	Bite test	NA
16 CFR 1500.52(d)	Flexure test	NA

Note: NA = Not Applicable.

(8) Flammability of Solids(CPSC 16 CFR 1500.44)

Sample	Burn Rate (in./sec.)*	Limit(in./sec.)
Camera	DNI	0.1

Note: DNI = Did Not Ignite

* = Burning rate has been rounded to the nearest one tenth of an inch per second.

All styles of submitted sample(s) (and its accessories) was/were tested, the above result only showed the most severe burn rate.

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(9) Consumer Product Safety Improvement Act of 2008 on Tracking labels for children's products

Test Item	Test Method	Requirement	Result
Tracking labels for children's products	Consumer Product Safety Improvement Act of 2008	A permanent and distinguishing mark on the product and its packaging, to the extent practicable, enabling the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product.	Comply with the requirement

(10) Total Lead content - CPSC 16 CFR 1303: NA

Note: NA = Not Applicable.

Photo(s) of Sample:



*****End of Report*****

This report is considered invalidated without the Special Seal for Inspection of the UONE, This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample tested.

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