



Pony Testing International Group

Test Report

No.: MLGUNEHB45148757 Date: Jul 18, 2017 Page 1 of 7

Applicant: Shenzhen TYRY Technology Co., Limited
 Address: Building A, #6255 Longgang Avenue, Henggang Street,
 Longgang District, Shenzhen (YIHE Industrial Park)

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

Sample Name: Silicone jewelry
 No. of Sample submitted: 14PCS
 Labelled Age Grading: 0+
 Country of Origin: China

Sample Received Date: Jul 12, 2017

Testing Period: Jul 12, 2017 to Jul 18, 2017

Reference Method: (1) ASTM F 963-16 standard consumer safety specification for toy safety.
 —Physical and mechanical properties
 —Flammability
 —Heavy Element Content in Paint and Similar Surface-Coating Materials and Substrate Materials
 (2) 16 CFR 1500.44, to determine the flammability of the submitted sample.
 (3) 16 CFR 1500.48, to determine Sharp Point of the submitted sample.
 (4) 16 CFR 1500.49, to determine Sharp Edge of the submitted sample.
 (5) 16 CFR 1500.51-53, to determine Abuse test for accessibility of the submitted sample.
 (6) 16 CFR 1501, to determine Small Part of the submitted sample.
 (7) CPSC-CH-E1002-08.3, Total Lead content analysis is performed by AAS.
 (8) CPSC-CH-C1001-09.3, Phthalates content Analysis is performed by GC-MS

Test results: Please refer to next page(s)

 Approved by: *Pan Bingke*

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Test results

ASTM F963-16 Standard Consumer Safety Specification for Toy Safety*

4	Safety Requirements	
4.1	Material quality.....	Pass
4.2	Flammability.....	Pass
4.3.7	Stuffing Materials-Visual Inspection.....	N/A
4.4	Electrical/Thermal Energy.....	N/A
4.5	Sound-Producing Toys.....	N/A
4.6	Small Objects.....	Pass
4.7	Accessible Edges.....	Pass
4.8	Projections.....	N/A
4.9	Accessible Points.....	Pass
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 Hinges.....	N/A
4.14	Cords and Elastics in Toys.....	Pass
4.15	Stability and Over-Load Requirements.....	N/A
4.16	Confined Spaces.....	N/A
4.17	Wheels, Tires, and Axles.....	N/A
4.18	Holes, Clearance, and Accessibility of Mechanisms.....	N/A
4.19	Simulated Protective Devices.....	N/A
4.20	Pacifiers.....	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
4.25	Battery-Operated 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.....	N/A
4.30	Toys Gun Marking.....	N/A
4.31	Balloons.....	N/A

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4.32	Certain Toys with Nearly 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
4.40	Expanding Materials.....	N/A
4.41	Toy Chests.....	N/A
5	Safety Labeling Requirements	
5.1	Federal Government Requirements.....	N/A
5.2	Age Grading Labeling.....	N/A
5.3	Safety Labeling 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 an 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
5.13	Art Materials.....	N/A
5.14	Electric Toys.....	N/A
5.15	Battery-Operated Toys.....	N/A
5.16	Promotional Materials.....	N/A
5.17	Magnets.....	N/A
6	Instructional Literature	
6.1	Definition and Description.....	N/A
6.2	Crib and Playpen Toys.....	N/A
6.3	Mobiles.....	N/A
6.4	Toys Intended to be Assembled By an Adult.....	N/A
6.5	Battery-Operated Toys.....	N/A
6.6	Battery Power Ride-on Toys.....	N/A
6.7	Toys in Contact with Food.....	N/A

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6.8	Toys Chests.....	N/A
7	Producer's Markings.....	
7.1	Producer's Name and Address.....	N/A
7.2	Battery-Powered Ride-on Toys.....	N/A
7.3	Toy Chests.....	N/A

Soluble Element

ASTM F 963-16 clause 4.3.5- Paint and Similar Surface-Coating Materials and Substrate Materials

Analytical result of soluble migrated elements in toy material (mg/kg):

Test Component	Soluble lead	Soluble cadmium	Soluble antimony	Soluble barium	Soluble chromium	Soluble mercury	Soluble arsenic	Soluble selenium
Required limit	90	75	60	1000	60	60	25	500
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limit of element: 1mg/kg

Test Components:

1. turquoise silicone beads
2. black plastic buckle of the necklace
3. white rope of th necklace

Flammability- 16 CFR1500.44

Test Results (Unit:inch/sec)

Test Item	Burning Rate	Limit
Flammability	DNI	0.1

DNI= Did not ignited

Test Components: Finished Sample—Silicone jewelry

Sharp Point Test -16 CFR 1500.48

Test Results

Test Item	Test Result
Sharp Point	Pass

Test Components: Finished Sample—Silicone jewelry



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Sharp Edge Test -16 CFR 1500.49

Test Results

Test Item	Test Result
Sharp Edge	Pass

Test Components: Finished Sample-- Silicone jewelry

Abuse Test -16 CFR 1500.51-53

Test Results

Test Item	Test Result
16 CFR 1500.51 Test methods for simulating use and abuse of toys and other articles intended for use by children 18 months of age or less	Pass
16 CFR 1500.52 Test methods for simulating use and abuse of toys and other articles intended for use by children over 18 but not over 36 months of age	Pass
16 CFR 1500.53 Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age	Pass

Test Components: Finished Sample—Silicone jewelry

Small Part-16 CFR 1501

Test Results

Test Item	Test Result
Small Part	Pass

Test Components: Finished Sample—Silicone jewelry

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Total Lead content test- Lead in substrate material (non-metal)

CPSC-CH-E1002-08.3 method, Analysis is performed by AAS.

Test Result (Unit: mg/kg)

Test Item	MDL	Test Result			ASTM F 963-16 Limit	CPSIA H.R.4040 & H.R.2715 Limit
		1	2	3		
Total Lead (Pb)	1	N.D.	N.D.	N.D.	100	100

Test Components:

1. turquoise silicone beads
2. black plastic buckle of the necklace
3. white rope of th necklace

Phthalates content test

CPSC-CH-C1001-09.3 method, Analysis is performed by GC-MS

Test Result (mg/kg)

Test Item	MDL	Test Result			PROP.65 Limit	CPSIA H.R.4040 & H.R.2715 Limit
		1	2	3		
DBP	50	N.D.	N.D.	N.D.	1000	1000
BBP	50	N.D.	N.D.	N.D.	1000	1000
DEHP	50	N.D.	N.D.	N.D.	1000	1000
DINP	50	N.D.	N.D.	N.D.	1000	1000
DNOP	50	N.D.	N.D.	N.D.	----	1000
DIDP	50	N.D.	N.D.	N.D.	1000	1000

Test component:

1. turquoise silicone beads
2. black plastic buckle of the necklace
3. white rope of th necklace

Note: (1) mg/kg = ppm

(2) N.D. = Not Detected (<MDL)

(3) MDL = Method Detection Limit

(4) * The client has not provided the packaging.

(5) As specified by client, to test the specified materials only.

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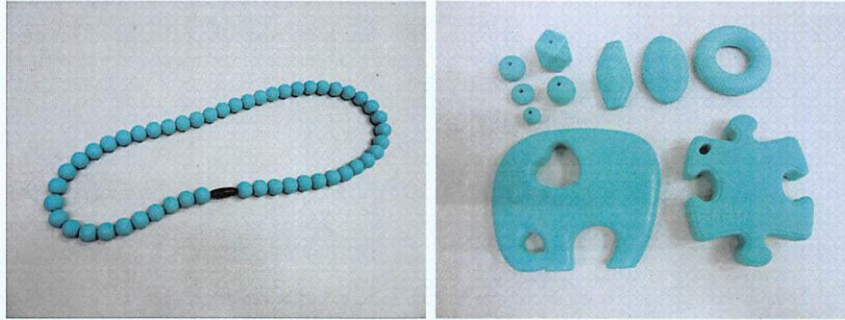
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