

Test Report

Report No.: U01303230215115-2E

Query Password: QW0957

Date: Feb. 20, 2023

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Applicant: Newsun Silicone Products Co.,Limited**Contact information:** 101,201,301,Building 16, NO.1 Industrial Zone, Shanmen Community, Yanluo Street, Bao'an District, Shenzhen, Guangdong,China**The following sample(s) was (were) submitted and identified by client as:**

Sample Name : Silicone Baby Dining Sets
Manufacturer : Dongguan Eversoul Silicone Products Co.,Ltd
Address : No.2 Building,No.208 Fenggang Tian'an Digital Town, Fenggang, Dongguang, Guangdong.
Packaging Provided : No
Labeled Age Grading : /
Requested Age Grading : 0+
Age Group Applied in Testing : 0+
Received Date : Feb. 15, 2023
Testing Period : From Feb. 15, 2023 to Feb. 20, 2023
Test Request : Please refer to next page(s).
Test Result(s) : Please refer to next page(s).

Shen Zhen UONE Test Co., LTD.

Prepared by



Thea Ye

Checked by



Marcia Deng

Approved by



Lewis Liu



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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	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
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U.S. Consumer Product Safety Improvement Act of 2008(CPSIA) Section 103

(7)	Tracking labels for children's products	PASS
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Test Material(s) List

Material No.	Description (Location)	Remark
1	Transparent silicone rubber	/
2	Blue silicone rubber	/
3	Dark blue silicone rubber	/
4	Pink silicone rubber	/
5	Grey blue silicone rubber	/

Test Result(s):

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

Section	Test Item	Assessment
4.1	Material Quality	PASS
4.3.7	Stuffing Materials	NA
4.4	Electrical/Thermal Energy*	NA
4.5	Sound-Producing Toys	NA
4.6	Small Objects	PASS
4.6.1	Toys that are intended for children under 36 months of age	PASS
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	NA
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

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Section	Test Item	Assessment
4.15	Stability and Over-Load Requirements*	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles <36M	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA
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	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 Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	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

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Section	Test Item	Assessment
5	Safety Labeling Requirements	
5.1	Federal Government Requirements	PASS
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	NA
5.4	Aquatic Toys	NA
5.5	Crib and Playpen Toys	NA
5.5.1	Age Grading	NA
5.5.2	Safety Labeling	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	NA
5.12	Toy Caps	NA
5.13	Art Materials	NA
5.14	Electric Toys	NA
5.15	Battery-Operated Toys*	NA
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
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

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Section	Test Item	Assessment
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*	NA
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
8.24	Yoyo Elastic Tether Toy Test Methods*	NA
8.25	Magnet Test Methods	NA

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Section	Test Item	Assessment
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

Remark: NA = Not applicable
* = This Clause was not got CNAS accreditation.

(2) Flammability – ASTM F963-17 Section 4.2

Section	Test Item	Assessment
4.2	Flammability	PASS See Note

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

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

Remark:

1. DNI = Did Not Ignite
2. 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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(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.	MDL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
1+2+3	10	100	N.D.	PASS
4+5	10	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< MDL).
 3. MDL = method detection limit.

(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	
MDL (mg/kg)	5	2.5	5	5	5	5	5	5	
Material No.	Result (mg/kg)								Conclusion
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.	
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
5	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. N.D. = Not Detected (< MDL).
 3. MDL = method detection limit.
 4. All the reported results of soluble heavy metals 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

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(5) Total Lead (Pb) content

Total Lead (Pb) content (In substrate)

Test Method: With reference to

Metal - CPSC-CH-E1001-08.3,

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

Material No.	MDL(mg/kg)	Limit (mg/kg)	Test Result (mg/kg)	Conclusion
1+2+3	10	100	N.D.	PASS
4+5	10	100	N.D.	PASS

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

(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.	MDL (%)	Limit (%)	Result (%)	
				1+2+3	4+5
Diocetyl phthalate (DEHP)	117-81-7	0.0020	0.1	N.D.	N.D.
Dibutyl phthalate (DBP)	84-74-2	0.0020	0.1	N.D.	N.D.
Butyl benzyl phthalate (BBP)	85-68-7	0.0020	0.1	N.D.	N.D.
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	0.0040	0.1	N.D.	N.D.
Diisobutyl phthalate(DIBP)	84-69-5	0.0020	0.1	N.D.	N.D.
Diamyl phthalate (DPENP)	131-18-0	0.0020	0.1	N.D.	N.D.
Di-n-Hexyl phthalate (DHEXP)	84-75-3	0.0020	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	84-61-7	0.0020	0.1	N.D.	N.D.
Conclusion				PASS	PASS

- Note:**
1. % = percentage by weight, 0.1% = 1000mg/kg = 1000ppm.

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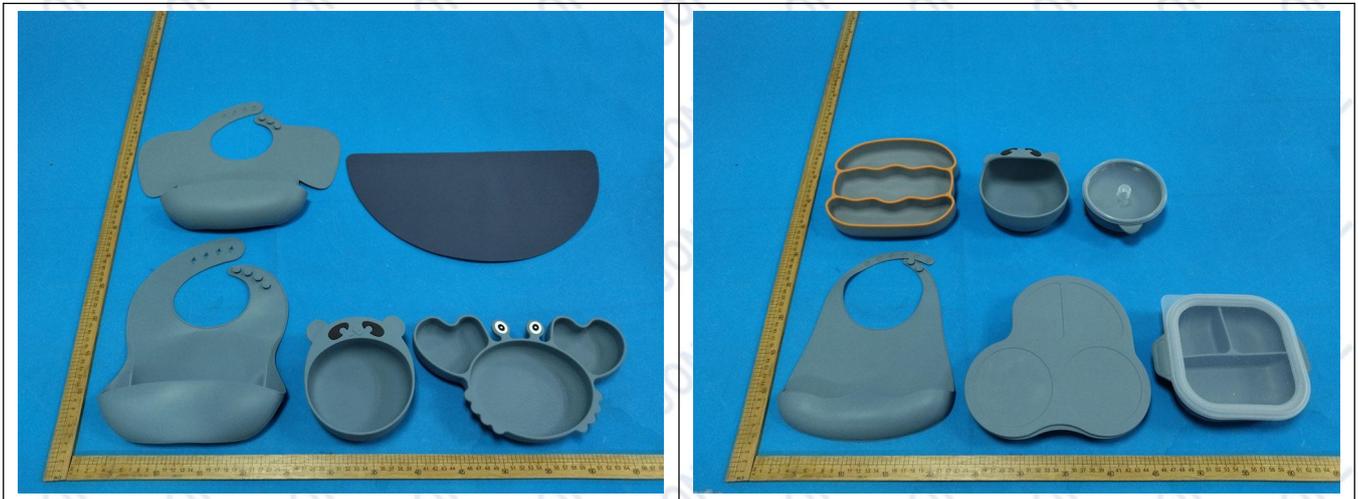
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- 2. MDL = method detection limit.
- 3. N.D.=not detected (<MDL).

(7) 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

Photo(s) of Sample:



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Statement

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