



Test Report

No. UTLR21046362

Date: Apr.24,2021

Page: 1 of 8

Applicant: Winnel Import and Export Shanghai limited

Applicant address: Room 1810, No.1, Lane 1588, Wangyuan South Road, Fengxian District, Shanghai, CHINA

The following samples were submitted and identified on behalf of the clients as

Sample Name: silicone toys
 Material: silicone
 Test age grade: 36 months and up
 Sample Received Date: Apr.20, 2021, Apr.24, 2021
 Test Period: Apr.20, 2021 to Apr.24, 2021
 Test Method: Please refer to next page(s).
 Test Result: Please refer to next page(s).

CONCLUSION :

According to client's request to conduct below tests in the selected parts of the submitted sample:

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
Submitted sample	1. Total lead content in substrate materials -United States Consumer Product Safety Improvement Act (CPSIA), Section 101(a)	PASS
	2.ASTM F963-17 "Standard consumer safety specification for toy safety," Section 4.3.5.2.Soluble Heavy Metals content in substrate material	PASS
	3.Phthalates content- United States Consumer Product Safety Improvement Act (CPSIA), Section 108 Prohibition On Sale of Certain Products Containing Specified Phthalates	PASS
	4.Mechanical and Physical Properties -ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety	PASS

TO BE CONTINUED



For and on behalf of
Dongguan Universal Testing Technology Co., Ltd.

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China.

Website :http://www.utl-lab.cn

Tel: +86 0769 81238160

E-mail: Kingchan168@126.com

Hotline: +86 13602386325



CONCLUSION :

According to client's request to conduct below tests in the selected parts of the submitted sample:

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
Submitted sample	5.Flammability-ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety	PASS
	6.Total lead content in surface coating -United States Consumer Product Safety Improvement Act (CPSIA), Section 101(f)	NA
	7. ASTM F963-17 "Standard consumer safety specification for toy safety," Section 4.3.5.1.Soluble Heavy Metals content in surface coating	NA

Remark: There is no surface coating in the submitted sample, so no tests should be conducted according to United States Consumer Product Safety Improvement Act (CPSIA) section 101(f)and ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety 4.3.5.1



Photos of submitted sample



**Test Result(s):**

Description of Specimen : P1 Red silicone
P2 Finished product

1.Total Lead Content In Substrate Materials-United States Consumer Product Safety Improvement Act (CPSIA) Section 101 (a)

Method used: CPSC testing method CPSC-CH-E1002-08.3 for non metallic materials, analyzed by Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer

Test Parameter(s)	Unit	Result(s)(mg/kg)	MDL	Limit
		P1		
Lead(Pb)	mg/kg	N.D.	10	100
Conclusion		Pass	--	--

Note:

1. mg/kg = milligram per kilogram
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

2.Soluble Heavy Metals Content In Substrate Material - ASTM F963-17 Section 4.3.5.2

Method: ASTM F963-17 Section 8.3.5, was analyzed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-OES).

Test Parameter(s)	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Conclusion
Limit (mg/kg)	60	25	1000	75	60	90	60	500	
Analytical Correction (%)	60	30	30	30	50	30	60	60	
Material No.	Result(s)(mg/kg)								Pass
P1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Note:

1. mg/kg = milligram per kilogram:2 mg/kg
2. N.D. = Not Detected (< MDL)

**3.PHTHALATES CONTENT –USA CONSUMER PRODUCT SAFETY IMPROVEMENT ACT OF 2008,SECTION 108 PROHIBITION ON SALE OF CERTAIN PRODUCTS CONTAINING SPECIFIED PHTHALATES**

Method Used: CPSC testing method CPSC-CH-C1001-09.4, analyzed by Gas Chromatography with Mass Selective Detector

Test Parameter(s)	CAS No.	Result(s)(%,w/w)	Limit(w/w)
		P1	
Butyl benzyl phthalate(BBP)	85-68-7	N.D.	0.1%
Dibutyl phthalate(DBP)	84-74-2	N.D.	0.1%
Di (2-ethylhexyl) phthalate(DEHP)	117-81-7	N.D.	0.1%
Di-n-hexyl phthalate(DNHP)	84-75-3	N.D.	0.1%
Di-iso-nonyl phthalate(DINP)	28553-12-0/ 68515-48-0	N.D.	0.1%
Di-iso-butyl ortho-phthalate(DIBP)	84-69-5	N.D.	0.1%
Dicyclohexyl phthalate (DCHP)	84-61-7	N.D.	0.1%
Diamyl phthalate (DPP/DPENP)	131-18-0	N.D.	0.1%
Conclusion		Pass	-

Note(s): -ND denotes Not Detected

-w/w = Mass Percentage

-Method Detection Limit:0.005%(each)

**4. Mechanical and Physical Properties -ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety**

Applicable Clause	Test parameter(s)	Result(s)
		<u>P2</u>
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
4.7	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
4.15	Stability and Over-Load Requirement	NA
4.16	Confined Spaces	NA
4.17	Wheels, Tires and Axles	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	--
4.18.1	Accessible Clearances for Moveable Segments	NA
4.19	Simulated Protective Devices	NA
4.20	Pacifiers	NA
4.21	Projectile 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 Nearly Spherical Ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China.

Website :<http://www.utl-lab.cn>

Tel: +86 0769 81238160

E-mail: Kingchan168@126.com

Hotline: +86 13602386325



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
5	Labeling Requirements	--
5.1	Federal Government Requirements	--
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 or Points	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	NA
5.16	Promotional Materials	NA
5.17	Magnets	NA
6	Instructional Literature	--
6.1	Definition and description	NA
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
6.7	Toys in contact with food	NA
6.8	Toy Chests	NA
7	Producer's Markings	--
7.1	Name of the producer or the distributor	Pass
	Address of the producer or the distributor	Pass
7.2	Battery powered ride on toys	NA
	Toy Chests	NA
8.5	Normal Use Testing	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass

Note(s):

1.NA=Not Applicable



Test Report

No. UTLR21046362

Date: Apr.24,2021

Page: 8 of 8

5.Flammability – ASTM F963-17 Section 4.2

Method Used: ASTM F963-17 American Standard Consumer Safety Specification for Toy Safety

Section	Test item	Assessment
4.2	Flammability	Pass see note

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

Sample	Burn Rate(in/sec)	Limit (in/sec)
<u>P2</u>	DNI	0.1

Note(s):

1. DNI=Do not ignite

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

Except for full text reproduction, part of the report should not be copied without the written approval of this laboratory. Our report includes all of the tests requested by client and the results thereof based upon the information that you provided to us. The results in this report are not indicative of the quality or characteristics of the lot from which a test sample was taken unless specifically and expressly noted.

Dongguan Universal Testing Technology Co., Ltd

3rd Floor, HuiHai Building, No.631 Yinlang South Road, Dalang Town, Dongguan City, Guangdong province, China.

Website :<http://www.utl-lab.cn>

Tel: +86 0769 81238160

E-mail: Kingchan168@126.com

Hotline: +86 13602386325