CPSC Accredited Testing Laboratory Identification number:1064

Test Report

Date : 2023-11-14 **Page 1 of 7**
No. : DP23110210

Applicant : Shenzhen Kean Silicone Product Co.,Ltd
#52 Xinhe Rd, Shangmugu Community,Pinghu, Longgang
Shenzhen,guangdong province China. 518111

Description of Samples : Eighteen kinds of submitted sample(s) said to be :
Item name: Silicone bib / Silicone spoon / Silicone fork / Silicone knife / Silicone cup / Silicone plate / Silicone bowl / Silicone mat (see the attached photo)
Item No.: CT06,TB4,BIB08,Bowl02,Bib07,Bowl01,bowl06,bowl03, TB17,TB5,TB13,CT08,CT01,CT02,CT03,CT04,CT05,CT07
Age Grading for Testing:3M+
Special Instructions: moody blue, Quartz pink

Date Samples Received : 2023-11-07 and 2023-11-13

Date Tested : 2023-11-07 to 2023-11-14

Test Requested and Conclusion(s):

No.	Standard and Requirement	Conclusion(s)
1	16 CFR Part 1500.48 Sharp points	Pass
	16 CFR Part 1500.49 Sharp edges	Pass
	16 CFR Part 1501 Small parts	Pass
2	16 CFR Part 1500.3 (c) (6) (vi)	Pass
3	USA Consumer Product Safety Improvement Act, Sec. 101(a): Total lead content for substrate in children's products	Pass
	USA Consumer Product Safety Improvement Act, Sec. 108 & 16 CFR1307: Phthalates content	Pass
4	California Proposition 65 -Phthalates in child-care items and toys	Pass
5	California Proposition 65 -Heavy metals in child-care items and toys	Pass

WU Chou,Runner
Authorized Signatory

HUANG Qi-yin,Shanny
Authorized Signatory

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Sample description

Plastic materials

(1) Silicone bib / Silicone spoon / Silicone fork / Silicone knife / Silicone cup / Silicone plate / Silicone bowl / Silicone mat:Quartz pink silicone

(2) Silicone bib / Silicone spoon / Silicone fork / Silicone knife / Silicone cup / Silicone plate / Silicone bowl / Silicone mat: moody blue silicone

(3) Lid:translucent silicone

Glass/ceramic/metal materials

(4) Silicone spoon / Silicone fork / Silicone knife:silver metal

Wood materials

(5) Silicone spoon / Silicone fork:natural wood with gloss oil

AGE GRADING:

The sample did not contain an age grade; however, the applicant requested it be tested according to the age grade of 3 months up.

AGE GRADING FOR TESTING:

3 months up.

Test Results:

1.

16 CFR Part 1500.48 Sharp points /1500.49 Sharp edges/16 CFR Part 1501 Small parts		
Test item	Description	Result
16 CFR Part 1500.48	Sharp points	Pass
16 CFR Part 1500.49	Sharp edges	Pass
16 CFR Part 1501	Small parts	Pass
Applicable requirements before and after use and abuse testing.		
Test item	Description	Test Condition
1500.51(b)	Impact test	10 drops at $4^1/_2$ ft.
1500.53(e)	Torque test	4in-lb
1500.53(f)	Tension test	15lbf
1500.53(g)	Compression test	30lbf

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2.

Flammability test in accordance with 16 CFR 1500.44	
Method used: FHSA 16 CFR 1500.44	
Result: pass	
Sample	Burning rate (.xx in/s)
Bowl01	DNI
Bowl02	DNI
bowl03	DNI
bowl06	DNI
Bib07	0.01
BIB08	0.01
CT01	DNI
CT02	DNI
CT03	DNI
CT04	DNI
CT05	DNI
CT06	DNI
CT08	DNI
TB4	DNI
TB5	DNI
TB13	DNI
CT07	DNI
TB17	DNI

DNI=Did not ignite.

3. USA Consumer Product Safety Improvement Act

3.1 Children's products containing lead - Total lead content in substrate

Test Method / Instrument:
Ref.: CPSIA Sec 101(a).
Determined by: Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer
Test method: Standard operation procedure for determining total lead (Pb) in non-metal children's products CPSC-CH-E1002-08.3 & in metal children's products CPSC-CH-E1001-08.3

Element	Result(mg/kg)			Limit(mg/kg)
	(1+2+3)	(4)	(5)	
Total lead (Pb)	<5	<5	<5	100

Note(s): (1) < = Less than.
(2) mg/kg = milligrams per kilogram

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3.2 Phthalates content
Ref.: CPSIA Sec. 108 & 16 CFR 1307
Test method: CPSC-CH-C1001-09.4
Determined by: Gas Chromatography with Mass Selective Detector

Phthalates	Result %(w/w)		Limit %(w/w)
	(1+2+3)	(5)	
Dibutyl phthalate (DBP)	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	0.1
Di-(2-ethylhexyl) phthalate(DEHP)	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	0.1
Di-n-hexyl phthalate(DHEXP)	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	0.1

Note(s): (1) ND = Not Detected(Below MDL)
(2) %(w/w)=percentage weight per weight
(3) Method detection limit for DBP, BBP, DEHP, DINP, DIBP, DPENP, DHEXP, DCHP = 0.010% (w/w))

4. **US California Proposition 65 (Superior Court of California –Court Case No.BG-07 -350969)- The Phthalates contents in Toys and childcare Articles***
Method used: With reference to CPSC-CH-C1001-09.4, Analysis was performed by Gas Chromatography Mass Spectrometer.

Full Name	Result(%)		Limit(%)
	(1+2+3)	(5)	
Dibutyl phthalate (DBP)	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	0.1
Benzyl Butyl phthalate (BBP)	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	ND	ND	0.1
Diisodecyl Phthalate (DIDP)	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	--

Note(s): (1) ND = Not Detected (below MDL)
(2) % = percentage by weight
(3) Method detection limit (MDL) for DBP, BBP, DEHP, DIDP and DnHP, = 0.010% (w/w)

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5. **US California Proposition 65 (Superior Court of California -Court Case No. BG-07-356892)- Total Lead Content in substrate materials***

Method used:
Non-Metal -- CPSC-CH-E1002-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal materials
Metal -- CPSC-CH-E1001-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in Metal materials

Element	Result(mg/kg)			Limit(mg/kg)
	(1+2+3)	(4)	(5)	
Total lead (Pb)	<5	<5	<5	100

Note(s): (1) < = Less than. (Method detection limit=5mg/kg)
(2) mg/kg = milligrams per kilogram

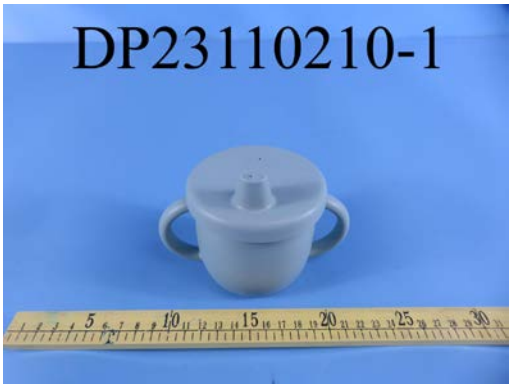
*= The test item was not accredited by CNAS.

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Appendix for Photos of the Submitted Sample(s)













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Appendix for Photos of the Submitted Sample(s)

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