Test Report

Report No.: CTT2211014153EN

Applicant: SHENZHEN KEAN SILICONE PRODUCT CO.,LTD
Address: #52 XINHE RD. SHANGMUGU COMMUNITY, PINGHU, LONGGANG, SHENZHEN, GUANGDONG, CHINA 518111

Sample Received Date: Nov. 23, 2022
Completed Date: Dec. 03, 2022
Report Date: Dec. 03, 2022

The following merchandise was (were) submitted and identified on behalf of the applicant as:
Sample Name: Silicone Baby Plate、Silicone Baby Plate、Two-color Bowl、Silicone Placemat、Baby Silicone Bowl
Model No.: Bowl 03、Bowl04、CT09、CT07、Mat05、
Sample Color: Caramel
Test Age Group: 3m+

Test Result(s): Please refer to next page(s).
Test Requested and Conclusion(s): Please refer to next page(s).

Signed for and on Behalf of CTT:

Hilary He/Jim Tan
Technical Manager

Verification Report

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Test Requested and Conclusion(s):

No.	Standard and Requirement	Conclusion(s)
1	EN 14372:2004 Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests - Clause 5.2.1 Visual and tactile examination - Clause 5.2.2 Sharp points - Clause 5.2.3 Sharp edges - Clause 5.2.4 Small parts - Clause 5.2.5 Holes (Finger traps) - Clause 5.2.6 Printed decorations - Clause 5.3.1 Tensile strength - Clause 5.3.2 Torque test - Clause 5.3.3 Tear resistance - Clause 5.3.4 Strength/rigidity - Clause 5.3.5 Drop test	PASS
2	EN 14372:2004 Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests - Volatile compounds content	PASS
3	EN 14372:2004 Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests - Soluble heavy metal	PASS
4	EN 14372:2004 Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests - Total Phthalate content	PASS

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Test Result(s): General and Mechanical Requirements for Children cutlery and feeding utensils

Tested standard	:	BS EN 14372:2004 Child use and care articles-Cutlery and feeding utensils-Safety requirements and tests
Preparation of Sample	:	The submitted samples were submerged in water at (60 °C) for 10 min, Drain excess water before allowing the samples to cool to room temperature in a desiccators for 24 h prior to testing. Use new samples for each test unless otherwise stated.
Note	:	Chemical requirements are covered in this standard but not included in the following table result.

Clause	Test Requirement	Test Result
		3
5.2	General requirements	
5.2.1	Visual and Tactile Examination All components of cutlery and feeding utensils when assembled for use, shall be free from points and edges which are likely to cause injury. The articles shall be free from splinters, burrs and flash.	PASS
5.2.2	Sharp points Accessible points shall not be sharp points as determined in accordance with 6.2.1.	PASS
5.2.3	Sharp edges Accessible edges shall not be sharp edges as determined in accordance with 6.2.2.	PASS
5.2.4	Small Parts When inserted into a small parts cylinder (see Figure 4), no component part of tested sample shall fit entirely within the cylinder in any orientation and without compression.	PASS
5.2.5	Holes (Finger traps) To avoid entrapment of fingers there shall be no accessible hole which allows the insertion of a 5,5 mm diameter rod, unless the accessible hole also allows the insertion of a 12 mm diameter rod or has a penetration of less than 10 mm.	NA
5.2.6	Printed decorations 1. When tested in accordance with EN ISO 2409, no print from decoration shall be removed from any product. 2. Adhesive labels shall not be used.	PASS
5.3	Mechanical Requirements	

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Clause	Test Requirement	Test Result
		3
5.3.1	Tensile Strength All products with more than one component and which are intended to be held by a child shall be tested as described in 6.2.3. No component shall break, tear or separate during this test.	NA
5.3.2	Torque Test If a component can be gripped between thumb and forefinger, it shall be torque tested according to EN 71-1. No component shall break, tear or separate during this test.	PASS
5.3.3	Tear Resistance Components produced out of materials with a Shore A hardness of less than 60 IRHDs but excluding suction pads shall be tested as described in 6.2.4. The tested component shall not break, tear or separate during the subsequent tensile test.	PASS
5.3.4	Strength / rigidity When tested in accordance with 6.2.5, no component of cutlery shall break, tear or separate.	NA
5.3.5	Drop Test All products shall be tested in accordance with EN 71-1. If the product breaks, a warning shall be provided as given in 7.4.	PASS

Clause	Test Requirement	Test Result
		4
5.2	General requirements	
5.2.1	Visual and Tactile Examination All components of cutlery and feeding utensils when assembled for use, shall be free from points and edges which are likely to cause injury. The articles shall be free from splinters, burrs and flash.	PASS
5.2.2	Sharp points Accessible points shall not be sharp points as determined in accordance with 6.2.1.	PASS
5.2.3	Sharp edges Accessible edges shall not be sharp edges as determined in accordance with 6.2.2.	PASS

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Clause	Test Requirement	Test Result
		4
5.2.4	Small Parts When inserted into a small parts cylinder (see Figure 4), no component part of tested sample shall fit entirely within the cylinder in any orientation and without compression.	PASS
5.2.5	Holes (Finger traps) To avoid entrapment of fingers there shall be no accessible hole which allows the insertion of a 5,5 mm diameter rod, unless the accessible hole also allows the insertion of a 12 mm diameter rod or has a penetration of less than 10 mm.	NA
5.2.6	Printed decorations 3. When tested in accordance with EN ISO 2409, no print from decoration shall be removed from any product. 4. Adhesive labels shall not be used.	PASS
5.3	Mechanical Requirements	
5.3.1	Tensile Strength All products with more than one component and which are intended to be held by a child shall be tested as described in 6.2.3. No component shall break, tear or separate during this test.	NA
5.3.2	Torque Test If a component can be gripped between thumb and forefinger, it shall be torque tested according to EN 71-1. No component shall break, tear or separate during this test.	PASS
5.3.3	Tear Resistance Components produced out of materials with a Shore A hardness of less than 60 IRHDs but excluding suction pads shall be tested as described in 6.2.4. The tested component shall not break, tear or separate during the subsequent tensile test.	PASS
5.3.4	Strength / rigidity When tested in accordance with 6.2.5, no component of cutlery shall break, tear or separate.	NA
5.3.5	Drop Test All products shall be tested in accordance with EN 71-1. If the product breaks, a warning shall be provided as given in 7.4.	PASS

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Clause	Test Requirement	Test Result
		5
5.2	General requirements	
5.2.1	Visual and Tactile Examination All components of cutlery and feeding utensils when assembled for use, shall be free from points and edges which are likely to cause injury. The articles shall be free from splinters, burrs and flash.	PASS
5.2.2	Sharp points Accessible points shall not be sharp points as determined in accordance with 6.2.1.	PASS
5.2.3	Sharp edges Accessible edges shall not be sharp edges as determined in accordance with 6.2.2.	PASS
5.2.4	Small Parts When inserted into a small parts cylinder (see Figure 4), no component part of tested sample shall fit entirely within the cylinder in any orientation and without compression.	PASS
5.2.5	Holes (Finger traps) To avoid entrapment of fingers there shall be no accessible hole which allows the insertion of a 5,5 mm diameter rod, unless the accessible hole also allows the insertion of a 12 mm diameter rod or has a penetration of less than 10 mm.	NA
5.2.6	Printed decorations 5. When tested in accordance with EN ISO 2409, no print from decoration shall be removed from any product. 6. Adhesive labels shall not be used.	PASS
5.3	Mechanical Requirements	
5.3.1	Tensile Strength All products with more than one component and which are intended to be held by a child shall be tested as described in 6.2.3. No component shall break, tear or separate during this test.	NA
5.3.2	Torque Test If a component can be gripped between thumb and forefinger, it shall be torque tested according to EN 71-1. No component shall break, tear or separate during this test.	PASS

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Clause	Test Requirement	Test Result
		5
5.3.3	Tear Resistance Components produced out of materials with a Shore A hardness of less than 60 IRHDs but excluding suction pads shall be tested as described in 6.2.4. The tested component shall not break, tear or separate during the subsequent tensile test.	PASS
5.3.4	Strength / rigidity When tested in accordance with 6.2.5, no component of cutlery shall break, tear or separate.	NA
5.3.5	Drop Test All products shall be tested in accordance with EN 71-1. If the product breaks, a warning shall be provided as given in 7.4.	PASS

abbreviation: NA = Not applicable

Test Result(s):

Volatile compounds content - EN 14372:2004 Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests

Method: EN 14372:2004

Material No.	Test Item	Reporting Limit (%)	Limit (%)	Result (%)	Conclusion
6*	Volatile compounds content	0.10	0.50	N.D.	PASS

NOTE:
1. % = percentage.
2. N.D. = Not Detected (Less than Reporting Limit).
3. "*" = This sample is received on Nov. 30, 2022.

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Test Result(s):

Soluble heavy metal - EN 14372:2004 Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests

Method: EN 71-3:2019+A1:2021, analyzed by Inductively coupled plasma mass spectrometry（ICP-MS） or Inductively Coupled Plasma Optical Emission Spectrometer（ICP-OES）.

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					1	2
1	Soluble Antimony (Sb)	7440-36-0	15	5	N.D.	N.D.
2	Soluble Arsenic (As)	7440-38-2	10	2.5	N.D.	N.D.
3	Soluble Barium (Ba)	7440-39-3	100	5	N.D.	N.D.
4	Soluble Cadmium (Cd)	7440-43-9	20	5	N.D.	N.D.
5	Soluble Lead (Pb)	7439-92-1	25	5	N.D.	N.D.
6	Soluble Mercury (Hg)	7439-97-6	10	5	N.D.	N.D.
7	Soluble Selenium (Se)	7782-49-2	100	5	N.D.	N.D.
8	Soluble Chromium (Cr)	7440-47-3	10	5	N.D.	N.D.
Conclusion					PASS	PASS

NOTE: 1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (Less than Reporting Limit).

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Test Result(s):

Total Phthalate content - EN 14372:2004 Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests

Method: with reference to EN 14372:2004[n], analyzed by Gas Chromatography-Mass Spectrometer（GC-MS）.

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)
					1+2
1	Di-butyl phthalate (DBP)	84-74-2	--	50	N.D.
2	Butyl benzyl phthalate (BBP)	85-68-7	--	50	N.D.
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	--	50	N.D.
4	Phthalic acid, bis-n-octyl ester (DNOP)	117-84-0	--	50	N.D.
5	Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	--	100	N.D.
6	Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	--	100	N.D.
7	Sum of 6 items	--	1000	100	N.D.
Conclusion					PASS

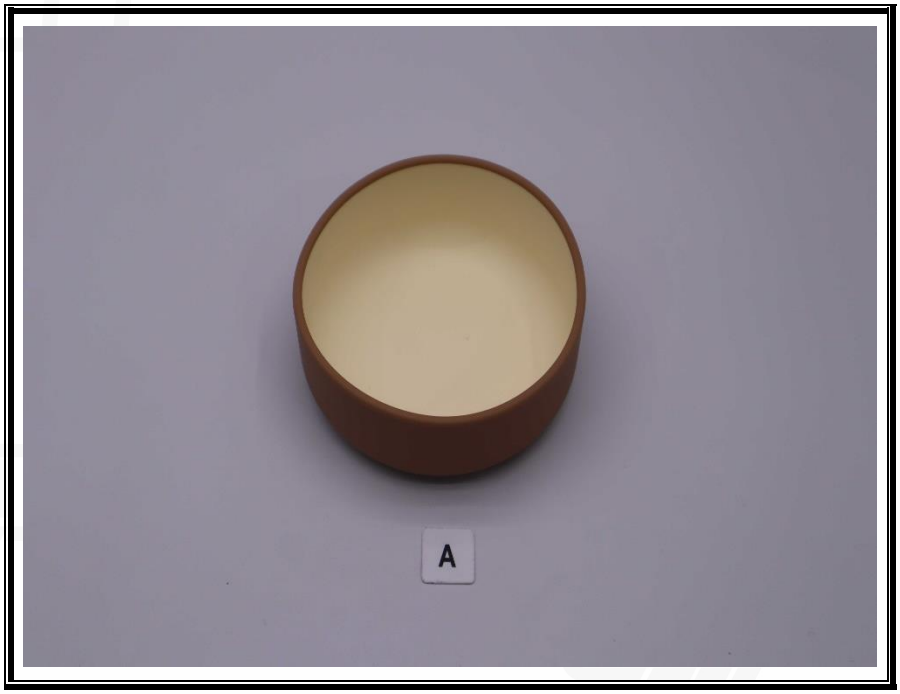
NOTE:
1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (Less than Reporting Limit).
3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report.

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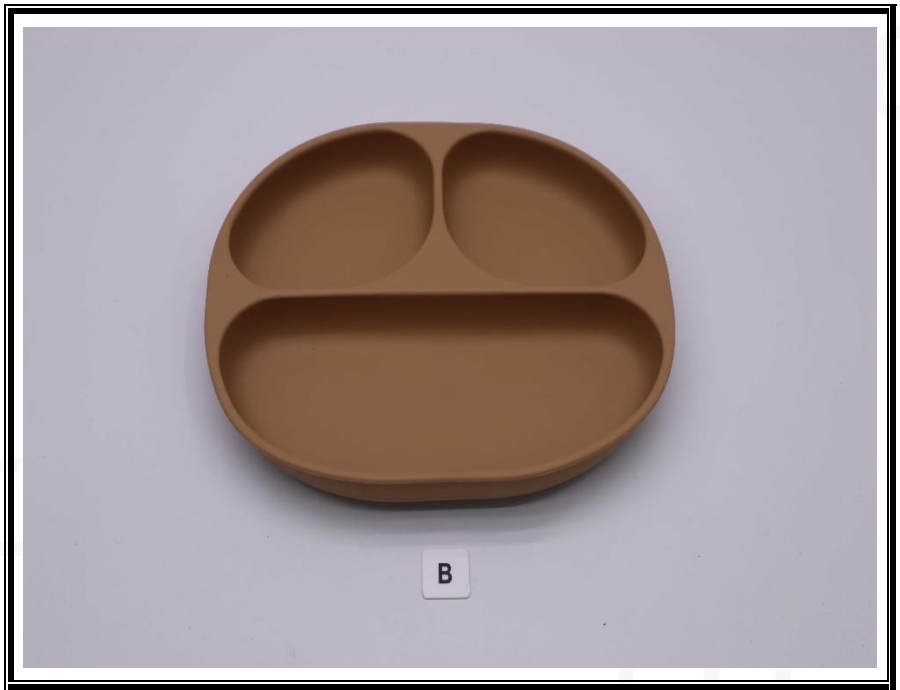
Test Material List

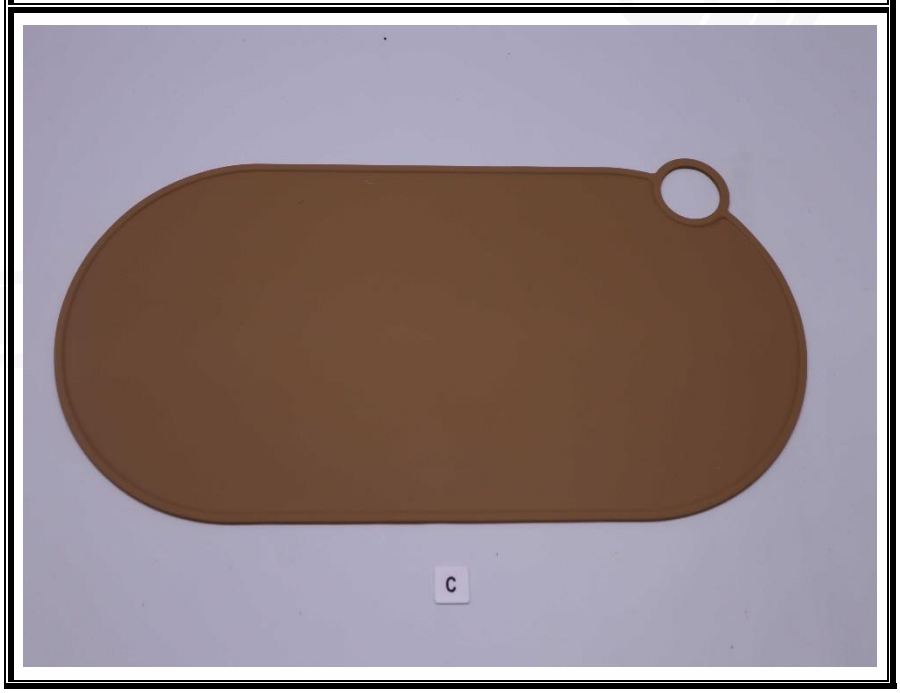
Material No.	Sample Description	Location
1	Skin color silicone	Bowl lining (A)/plate lining (D)
2	Brown silicone	Plate (B)/bib (C)/bowl (E)
3	Plate（B）	Individual
4	Bib（C）	Individual
5	Bowl（E）	Individual
6	Beige/ brown silicone	Bowl individual

Photo of Sample:

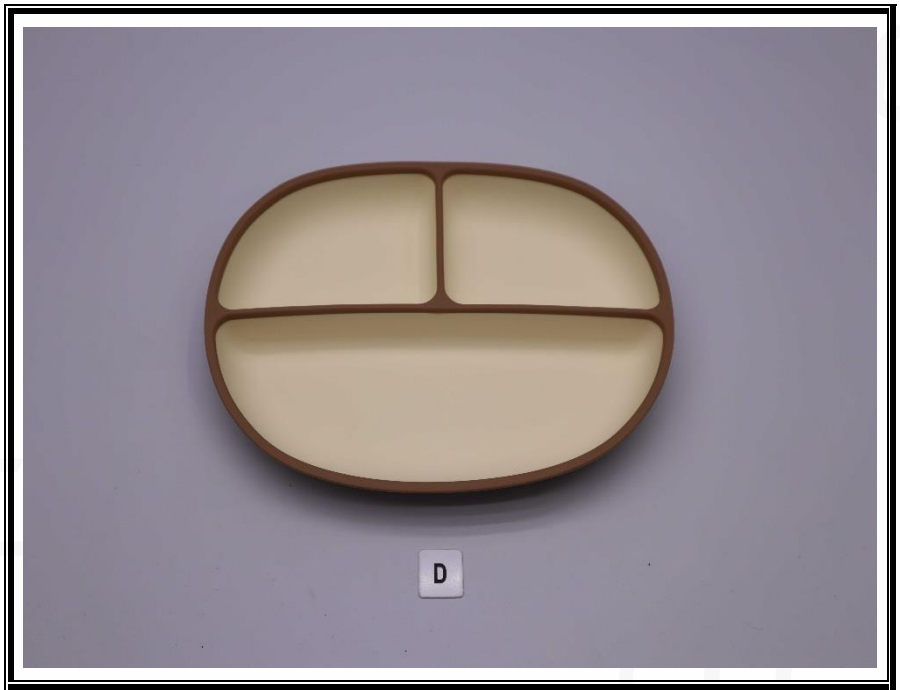


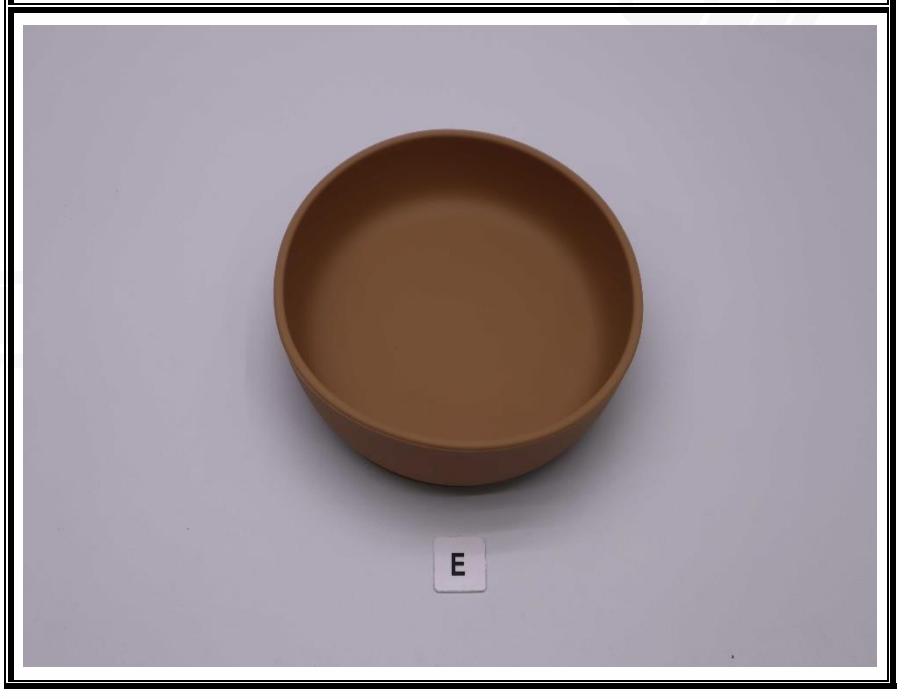
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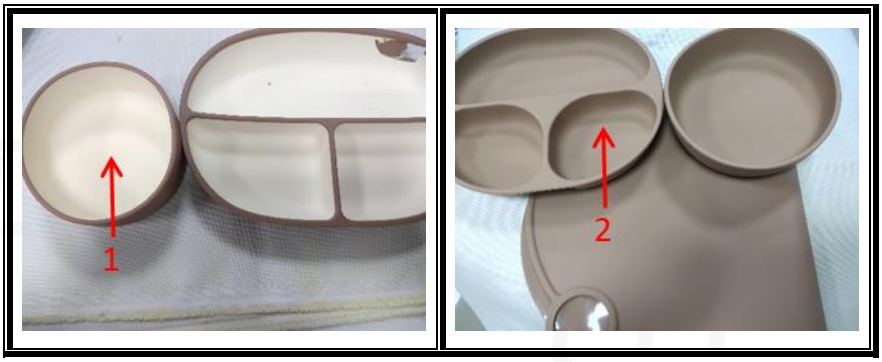




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Location indication:



End of Report

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