Test Report

Application ID : JA0032221(0)

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

Sample : One (1) group of submitted sample(s) stated to be:
Sample Description : Silicone snack cup
Model No. : CT06

Date of Receiving : 2025-4-23

Testing Period : 2025-4-23 to 2025-4-29

********FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)********

SIGN FOR AND ON BEHALF OF
UNITEC LABORATORY SERVICES (DONGGUAN) LTD.

XINLEI DU
LABORATORY MANAGER

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TEST REQUEST		RESULT
A）	AS REQUESTED BY THE APPLICANT, TO DETERMINE CADMIUM CONTENT OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH ENTRY 23 OF ANNEX XVII OF THE REACH REGULATION (EC) NO. 1907/2006 AND ITS AMENDMENTS.	PASS
B）	AS REQUESTED BY THE APPLICANT, TO DETERMINE LEAD CONTENT OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH ENTRY 63 OF ANNEX XVII OF THE REACH REGULATION (EC) NO. 1907/2006 AND ITS AMENDMENTS.	PASS
C）	AS REQUESTED BY THE APPLICANT, TO DETERMINE PHTHALATES CONTENT OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH ENTRY 51 AND 52 OF ANNEX XVII OF THE REACH REGULATION (EC) NO. 1907/2006 AND ITS AMENDMENTS.	PASS
D）	AS REQUESTED BY THE APPLICANT, TO DETERMINE POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) CONTENT OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH ENTRY 50 OF ANNEX XVII OF THE REACH REGULATION (EC) NO. 1907/2006 AND ITS AMENDMENTS.	PASS
E）	AS REQUESTED BY THE APPLICANT, TO DETERMINE POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) CONTENT OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH GERMAN AFPS GS 2019:01 PAK.	PASS
F）	AS REQUESTED BY THE APPLICANT, TO DETERMINE ORGANOSTANNIC COMPOUNDS OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH ENTRY 20 OF ANNEX XVII OF THE REACH REGULATION (EC) NO. 1907/2006 AND ITS AMENDMENTS.	PASS
G）	AS REQUESTED BY THE APPLICANT, TO PERFORM PHYSICAL AND MECHANICAL TEST OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH EN 14372:2004 (E).	PASS
H）	AS REQUESTED BY THE APPLICANT, TO DETERMINE MIGRATION OF CERTAIN ELEMENTS OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH EN 14372:2004 (E).	PASS
I）	AS REQUESTED BY THE APPLICANT, TO DETERMINE VOLATILE COMPOUNDS CONTENT OF SUBMITTED SAMPLE(S) IN ACCORDANCE WITH EN 14372:2004 (E).	PASS

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Test Result(s):

A) REACH Annex XVII - Cadmium Content

With reference to EN1122: 2001 method B, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item		Cadmium Content (Cd)	---
Method Detection Limit (mg/kg)		2	---
Permissible Limit (mg/kg)		100	---
Test Part Description		Result (mg/kg)	Comment
No.1	Milk white silicone Caramel silicone	ND	Pass

Note: 1. mg/kg = Milligram per kilogram = ppm
2. ND = Not detected (< Method detection limit)

B) REACH Annex XVII - Lead Content

In-house Method, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item		Lead Content (Pb)	---
Method Detection Limit(mg/kg)		2	---
Permissible Limit (mg/kg)		500	---
Test Part Description		Result (mg/kg)	Comment
No.1	Milk white silicone Caramel silicone	4.2	Pass

Note: 1. mg/kg = Milligram per kilogram = ppm

C) REACH Annex XVII - Phthalates Content

With reference to EN14372:2004, analysis was performed by Gas Chromatography/Mass Spectrometry (GC-MS).

Test Item		DBP	BBP	DEHP	DIBP	DINP	DNOP	DIDP	---
Method Detection Limit (%)		0.003	0.003	0.003	0.003	0.010	0.003	0.010	---
Permissible Limit (%)		0.1 (Sum)				0.1 (Sum)			---
Test Part Description		Result (%)							Comment
No.1	Milk white silicone Caramel silicone	ND	ND	ND	ND	ND	ND	ND	Pass

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Note: 1. % = Percentage by weight (w/w)
2. 0.1% = 1000ppm (mg/kg)
3. ND = Not detected (<Method detection limit)

D) REACH Annex XVII - 8 PAHs Content

With reference to AfPS GS 2019:01 PAK, analysis was performed Gas Chromatography/Mass Spectrometry (GC-MS).

PAHs	CAS No.	Result (mg/kg)	Permissible Limit (mg/kg)
		No.1	
Benzo[a]anthracene	56-55-3	ND	0.5
Chrysene	218-01-9	ND	0.5
Benzo[b]fluoranthene	205-99-2	ND	0.5
Benzo[k]fluoranthene	207-08-9	ND	0.5
Benzo[a]pyrene	50-32-8	ND	0.5
Dibenzo[a,h]anthracene	53-70-3	ND	0.5
Benzo[j]fluoranthen	205-82-3	ND	0.5
Benzo[e]pyrene	192-97-2	ND	0.5
Comment		Pass	---

Test Part Description:

No.1 Milk white silicone
Caramel silicone

Note: 1. mg/kg = Milligram per kilogram = ppm
2. ND = Not detected (<Method detection limit)
3. Method detection limit = 0.10mg/kg

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E) AfPS GS 2019:01 PAK - 15 PAHs Content

With reference to AfPS GS 2019:01 PAK, analysis was performed Gas Chromatography/Mass Spectrometry (GC-MS).

PAHs	CAS No.	Result (mg/kg)	Permissible Limit (mg/kg)
		No.1	Category 1
Naphthalene	91-20-3	ND	1
Phenanthrene	85-01-8	ND	1 (sum)
Anthracene	120-12-7	ND	
Fluoranthene	206-44-0	ND	
Pyrene	129-00-0	ND	
Benzo[a]anthracene	56-55-3	ND	0.2
Chrysene	218-01-9	ND	0.2
Benzo[b]fluoranthene	205-99-2	ND	0.2
Benzo[k]fluoranthene	207-08-9	ND	0.2
Benzo[a]pyrene	50-32-8	ND	0.2
Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.2
Dibenzo[a,h]anthracene	53-70-3	ND	0.2
Benzo[g,h,i]perylene	191-24-2	ND	0.2
Benzo[j]fluoranthene	205-82-3	ND	0.2
Benzo[e]pyrene	192-97-2	ND	0.2
Sum of 15 PAHs	---	ND	1
Comment		Pass	---

Test Part Description:

No.1 Milk white silicone
Caramel silicone

Note: 1. mg/kg = Milligram per kilogram = ppm
2. ND = Not detected (<Method detection limit)
3. Method detection limit = 0.10mg/kg

Remark: Material categories

1. Category 1: Materials intended to be placed in the mouth, or materials in toys (Directive 2009/48/EC) or articles for children up to 3 years of age with intended long-term skin contact (> 30 seconds).
2. Category 2: Materials that are not in Category 1, with intended or foreseeable long-term skin contact (> 30 seconds) or short-term repetitive contact with the skin.
   a) Use by children under 14 years, b) Other consumer products

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3. Category 3: Materials not covered by Category 1 or 2, with intended or foreseeable short-term skin contact (≤ 30 seconds).

   a) Use by children under 14 years, b) Other consumer products

F) REACH Annex XVII - Organostannic Compounds Content

In-house method, analysis was performed by Gas Chromatography/Mass Spectrometry (GC-MS).

Test Item		Tributyltin (TBT)	Triphenyltin (TPT)	Dibutyltin (DBT)	Dioctyltin (DOT)	---
Method Detection Limit (%)		0.005	0.005	0.005	0.005	---
Permissible Limit (%)		0.1	0.1	0.1	0.1	---
Test Part Description		Result (%)				Comment
No.1	Milk white silicone Caramel silicone	ND	ND	ND	ND	Pass

Note: 1. % = Percentage by weight (w/w)

2. 0.1% = 1000ppm (mg/kg)

3. ND = Not detected (<Method detection limit)

G) EN 14372:2004 (E) - Physical and Mechanical Test

As per EN 14372:2004 (E), Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests.

Clause	Description	Result
5.1	General	Pass
5.2	General requirements	Pass
5.2.1	Visual and tactile examination	Pass
5.2.2	Sharp points	Pass
5.2.3	Sharp edges	Pass
5.2.4	Small parts	Pass
5.2.5	Holes (Finger traps)	Not Applicable
5.2.6	Printed decorations	Not Applicable
5.3	Mechanical requirements	Pass
5.3.1	Tensile strength	Pass
5.3.2	Torque test	Pass
5.3.3	Tear resistance	Not Applicable
5.3.4	Strength/rigidity	Pass

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Clause	Description	Result
5.3.5	Drop test	Pass
6	Test methods	---
6.1	Preparation of samples and general testing conditions	Pass
6.2	Mechanical tests	Pass
6.2.1	Sharp points test	Pass
6.2.2	Sharp edges test	Pass
6.2.3	Tensile test	Pass
6.2.4	Tear resistance test	Pass
6.2.5	Strength/rigidity	Pass
7	Product information	#
7.1	General	#
7.2	Purchase information	#
7.3	Instruction for use	#
7.4	Warnings	#

Note: 1. # = The packaging was not provided in the submitted sample; therefore, these clauses were not evaluated.

H) EN 14372:2004 (E) - Migration of Certain Elements

With reference to EN 71-3:2019+A1:2021, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item		Cd	Pb	Hg	Cr	As	Sb	Se	Ba	---
Method Detection Limit (mg/kg)		5	5	2	5	2	2	5	5	---
Permissible Limit (mg/kg)		20	25	10	10	10	15	100	100	---
Test Part Description		Result (mg/kg)								Comment
No.1	Milk white silicone	ND	ND	ND	ND	ND	ND	ND	ND	Pass
No.2	Caramel silicone	ND	ND	ND	ND	ND	ND	ND	ND	Pass

Note: 1. mg/kg = Milligram per kilogram = ppm
2. ND = Not detected (< Method detection limit)

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I) EN 14372:2004 (E) Volatile Compounds Content

With reference to EN 14372:2004 (E) clause 6.3.3.

Test Item	Result (%)		Permissible Limit (%)
	No.1	No.2	
Volatile Compounds Content	0.2	0.2	0.5
Comment	Pass	Pass	---

Test Part Description:

No.1 Milk white silicone

No.2 Caramel silicone

Note: 1. % = Percentage by weight (w/w)

2. ND = Not detected (<Method detection limit)

3. Method detection limit = 0.05%

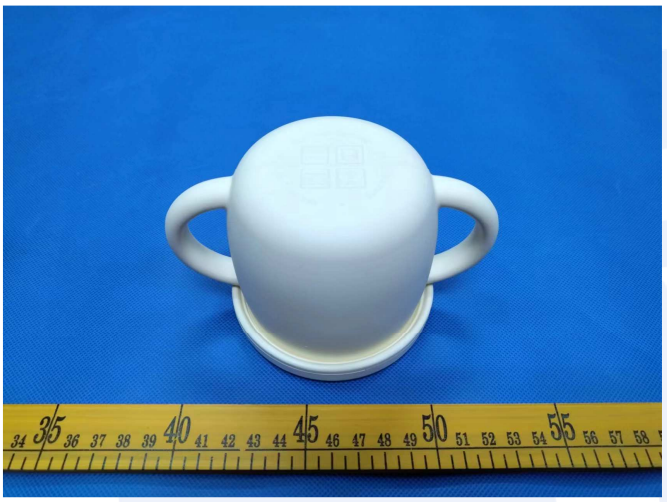
The test result of the report is related to the item being tested only. UTL does not verify or be liable to any declare or declaration if the particular/specific item is not tested.

Decision rule was applied with reference to ILAC-G8:09/2019, Clause 4.2.1 & CNAS-GL015:2022, Clause 6.2.1 Guidelines on Decision Rules and Statements of Conformity.

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Sample Photo(s):








*** End of Report ***

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