

The following information was/were submitted and identified by/on behalf of the client:

Applicant : Dongguan Art Kitchenware Co.,Ltd.
Address : Room 301, No. 43, Changhong New Town 3rd Street Dalang Town 523770
Guangdong Province, Dongguan city
Sample Name : Silicone Molds
Sample Model : MCM-270
Model/Type reference : MCM-86/MCM-96/MCM-121/MCM-128/MCM-135/MCM-141/MCM-159/MCM-277/M
CM-278/MCM-279/MCM-304/MCM-315/MCM-329/MCM-374/MCM-380/MCM-382/M
CM-389/MCM-403/MCM-413
Manufacturer : Dongguan Art Kitchenware Co.,Ltd.
Manufacturer's Address : Room 301, No. 43, Changhong New Town 3rd Street Dalang Town 523770
Guangdong Province, Dongguan city
Country of Origin : China
Sample Receive Date : Mar. 13, 2026
Sample Testing Period : Mar. 13, 2026 - Apr. 14, 2026
Test Result Summary : Please refer to the next page(s)

ORIGINAL

Authorized signature:



Lab Manager: Gavin Zhou



Apr. 15, 2026

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As requested by the applicant, for details refer to attached page(s).

TEST ITEM(S)	TEST REQUESTED	CONCLUSION(S)
Sensorial examination odour and taste	Article 3 of Regulation (EC) No 1935/2004 of the European Parliament and of the Council, German Food, Articles of Daily Use and Feed code (LFGB), Section 30 and 31 with amendments	PASS
Overall Migration	Regulation (EC) No 1935/2004 of the European Parliament and of the Council, Council of Europe Resolution AP (2004) 5	PASS
Visible Colour release	German Food, Articles of Daily Use and Feed code (LFGB), Section 30 and 31 with amendments and BfR recommendation Part IX. Colorants for Plastics and other Polymers Used in Commodities	PASS
Volatile Organic Matter (VOM)	German Food, Articles of Daily Use and Feed code (LFGB), Section 30 and 31 with amendments and BfR recommendation Part XV. Silicone	PASS
Peroxide Value	German Food, Articles of Daily Use and Feed code (LFGB), Section 30 and 31 with amendments and BfR recommendation Part XV. Silicone	PASS
Polycyclic Aromatic Hydrocarbon (PAHs)	Testing and assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the awarding of GS mark as specification according to Article 21(1) No.3 of the Product Safety Act (ProdSG) published by Product Safety Commission (AfPS) (issued on 10. April 2020)	PASS
Total Platinum(Pt)	German Food, Articles of Daily Use and Feed code (LFGB), Section 30 and 31 with amendments and BfR recommendation Part XV. Silicone	PASS

Note: 1. The test result(s) are related only to the test item(s) and test part(s) appointed by client.

ORIGINAL

Test Result(s):

Test Sample /Part Description:

Sample /Part No.	Client Claimed Material	Description
<u>01</u>	Silicone	White silicone mold

1. Sensorial examination odour and taste - Article 3 of Regulation (EC) No 1935/2004, LFGB Section 30 and 31 with amendments

Test Method: With reference to DIN 10955:2024, the tested sample(s) was immersed with the food simulant under the test condition, then examined by tasters

Test Item(s)	Simulant(s)	Test condition	Limit	Result(s)
				<u>01</u>
Sensorial examination odour	Distilled water	100°C, 2 hours	2.5	0
Sensorial examination taste			2.5	0
Conclusion(s)				PASS

Note: Evaluation scheme:

- 0 = No perceptible difference;
- 1 = Just perceptible difference (still difficult to define);
- 2 = Slight difference (possible to define);
- 3 = Marked difference;
- 4 = Strong difference.

2. Overall Migration - Regulation (EC) No 1935/2004, Council of Europe Resolution AP (2004) 5

Test Method: With reference to Annex III & V of Commission Regulation (EU) No 10/2011 to select test condition and EN 1186-1:2002 to select test method, the following test and analysis was performed by EN 1186-3:2022 Test methods for overall migration in evaporable simulants

Simulant(s)	Test condition	Unit	RL	Limit	Result(s)
					<u>01</u>
					<u>3rd Migration</u>
95% Ethanol (V/V)	60°C, 3.5 hours	mg/dm ²	3.0	10	N.D.
Isooctane	60°C, 1.5 hours	mg/dm ²	3.0	10	9.4
Conclusion(s)					PASS

- Note:**
1. mg/dm² = milligram per square decimeter;
 2. RL = Report Limit;
 3. N.D. = Not Detected (<RL).

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3. Visible Colour Release - LFGB Section 30 and 31 with amendments and BfR recommendation Part IX

Test Method: With reference to Kunststoffe im Lebensmittelverkehr, Part B II IX

<u>Simulant(s)</u>	<u>Limit</u>	<u>Result(s)</u>	<u>Conclusion(s)</u>
		<u>01</u>	
Coconut oil	No colour release observed	Negative	PASS

Note: Negative = No color release observed; Positive = Color release observed.

4. Volatile Organic Matter (VOM) - LFGB Section 30 and 31 with amendments and BfR recommendation Part XV

Test Method: With reference to Bestimmung von flüchtigen Verbindungen in Bedarfsgegenständen aus Silikon

<u>Test Item(s)</u>	<u>Test condition</u>	<u>Unit</u>	<u>RL</u>	<u>Limit (Max)</u>	<u>Result(s)</u>
					<u>01</u>
Volatile Organic Matter (VOM)	200°C, 4 hours	%	0.1	0.5	N.D.
<u>Conclusion(s)</u>					PASS

- Note:**
- 0.1% = 1000mg/kg;
 - RL = Report Limit;
 - N.D. = Not Detected (<RL).

5. Peroxide Value - LFGB Section 30 and 31 with amendments and BfR recommendation Part XV

Test Method: With reference to European pharmacopoeia, 2005 Appendix X F. Peroxide Value method A

<u>Test Item(s)</u>	<u>Limit</u>	<u>Result(s)</u>	<u>Conclusion(s)</u>
		<u>01</u>	
Peroxide Value	Absent	Absent	PASS

Note: Absent means No positive reaction to peroxides.

6. Polycyclic Aromatic Hydrocarbon (PAHs) - AfPS GS 2019:01 PAK

Test Method: With reference to AfPS GS 2019:01 PAK, Solvent extraction and determined by GC-MS

<u>Test Item(s)</u>	<u>CAS No.</u>	<u>Unit</u>	<u>MDL</u>	<u>Limit</u>	<u>Result(s)</u>
					<u>01</u>
Benzo(a)Pyrene	50-32-8	mg/kg	0.2	0.2	N.D.
Benzo(e)Pyrene	192-97-2	mg/kg	0.2	0.2	N.D.
Benzo(a)Anthracene	56-55-3	mg/kg	0.2	0.2	N.D.
Benzo(b)Fluoranthene	205-99-2	mg/kg	0.2	0.2	N.D.

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Test Item(s)	CAS No.	Unit	MDL	Limit	Result(s)
					01
Benzo(j)Fluoranthene	205-82-3	mg/kg	0.2	0.2	N.D.
Benzo(k)Fluoranthene	207-08-9	mg/kg	0.2	0.2	N.D.
Chrysene	218-01-9	mg/kg	0.2	0.2	N.D.
Dibenzo(a,h)Anthracene	53-70-3	mg/kg	0.2	0.2	N.D.
Benzo(g,h,i)Perylene	191-24-2	mg/kg	0.2	0.2	N.D.
Indeno(1,2,3-cd)Pyrene	193-39-5	mg/kg	0.2	0.2	N.D.
Phenanthrene	85-01-8	mg/kg	0.2	--	N.D.
Pyrene	129-00-0	mg/kg	0.2	--	N.D.
Anthracene	120-12-7	mg/kg	0.2	--	N.D.
Fluoranthene	206-44-0	mg/kg	0.2	--	N.D.
Naphthalene	91-20-3	mg/kg	0.2	1	N.D.
Sum of Phenanthrene, Pyrene, Anthracene, Fluoranthene	--	mg/kg	--	1	N.D.
Sum of above PAHs	--	mg/kg	--	1	N.D.
Product Category	--	--	--	--	1*
Conclusion(s)					PASS

Product Safety Commission (AfPS): Limits for PAHs

Parameter	Category 1	Category 2		Category 3	
		a. used by children	b. other consumer products	a. used by children	b. other consumer products
Polycyclic Aromatic Hydrocarbons (PAHs) (in mg/kg)	Materials intended to be placed in the mouth, or Materials coming into long-term skin contact (more than 30s) during the intended use - in toys according to Directive 2009/48/EC or - for the use by children up to 3 years of age	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact with skin during the intended or foreseeable use		Materials not covered by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use	
		< 0.2	< 0.2	< 0.5	< 0.5
Benzo(a)Pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(e)Pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(a)Anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(b)Fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(j)Fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(k)Fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo(a,h)Anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo(g,h,i)Perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno(1,2,3-cd)Pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Phenanthrene	< 1 (sum)	< 5 (sum)	< 10 (sum)	< 20 (sum)	< 50 (sum)
Pyrene					
Anthracene					
Fluoranthene					
Naphthalene	< 1	< 2		< 10	

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Parameter	Category 1	Category 2		Category 3	
Polycyclic Aromatic Hydrocarbons (PAHs) (in mg/kg)	Materials intended to be placed in the mouth, or Materials coming into long-term skin contact (more than 30s) during the intended use - in toys according to Directive 2009/48/EC or - for the use by children up to 3 years of age	Materials not covered by category 1, coming into long-term contact (more than 30s) or short-term repetitive contact with skin during the intended or foreseeable use		Materials not covered by category 1 nor by category 2, coming into short-term contact (up to 30s) with skin during the intended or foreseeable use	
		a. used by children	b. other consumer products	a. used by children	b. other consumer products
Sum of 15 PAHs	<1	<5	< 10	<20	<50

- Note:**
- 1000mg/kg = 0.1%;
 - MDL = Method Detection Limit;
 - N.D. = Not Detected (<MDL);
 - "*" = As the information provided by client, the category of the tested part(s) is the product which can be placed in the mouth.

7. Total Platinum(Pt) - LFGB Section 30 and 31with amendments and BfR recommendation Part XV

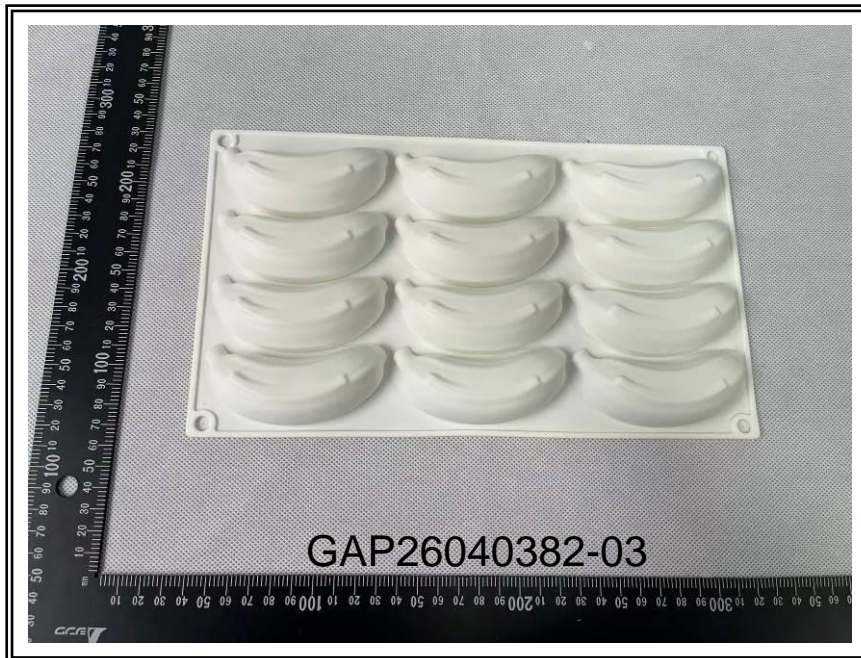
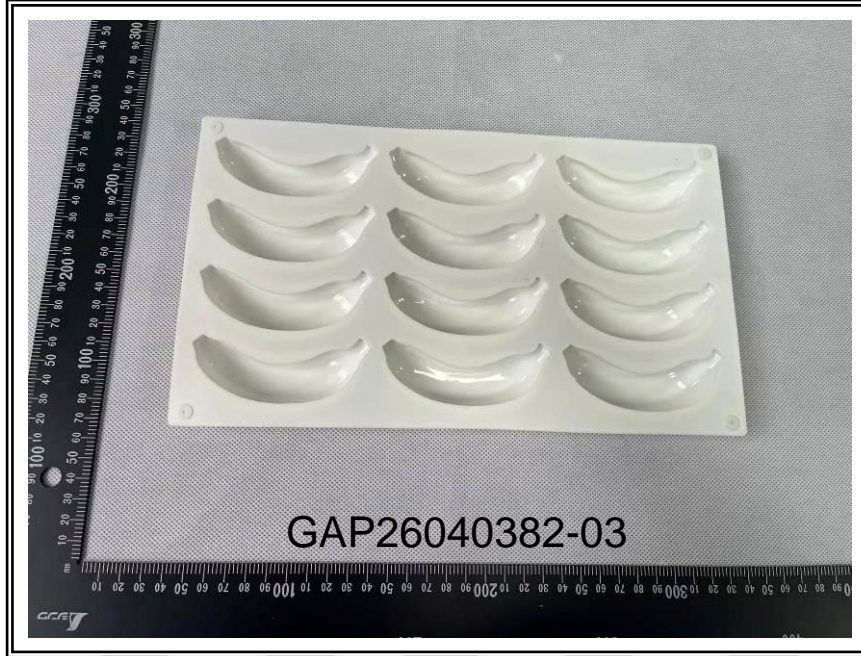
Test Method: With reference to IEC 62321-5:2013, Acid digestion and determined by ICP-OES

Test Item(s)	Unit	RL	Limit	Result(s)
				01
Platinum(Pt)	mg/kg	10	50	N.D.
Conclusion(s)				PASS

- Note:**
- 1000mg/kg = 0.1%;
 - RL = Report Limit;
 - N.D. = Not Detected (<RL).

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Sample Photo(s):



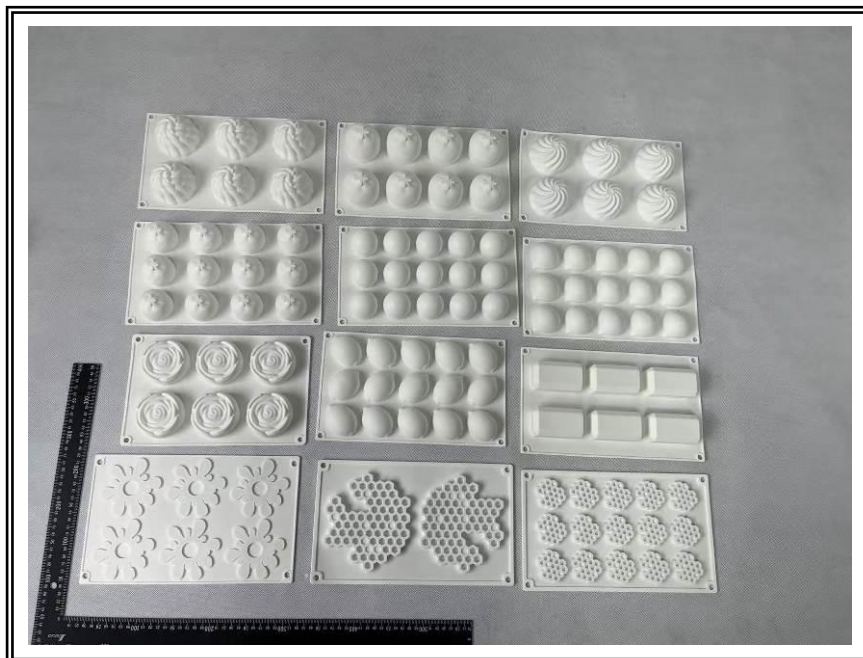
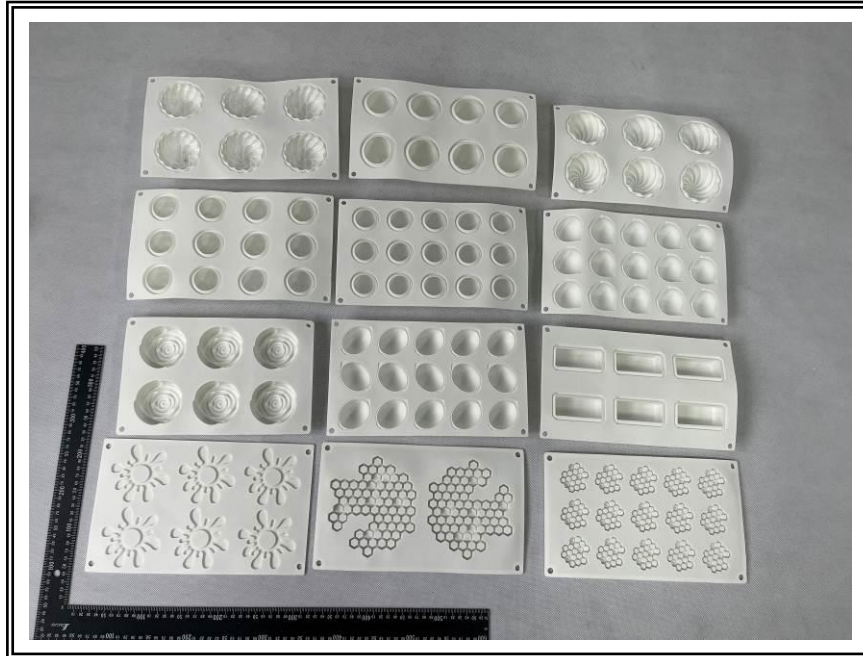
GIG authenticate the photo(s) on original report only

End of Report

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ANNEX

Other photo(s)



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