

Test Report

Report No.: NB2025055931

Date: June 13, 2025

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Applicant: Weabandiction Co., Ltd.

Address: L19-05 of Ronghu Square, Phase IV, Ronghu, 408 Pingji Avenue, Fuchengao Community,
Pinghu Street, Longgang District, Shenzhen, Guangdong,CN(518111)

The following merchandise were submitted and identified by the clients as:

Sample Name: silicone soup freezer trays with lid
Country of Origin: China
Supplier: Weabandiction Co., Ltd.
Manufacturer: Weabandiction Co., Ltd.
Product End Use: Freezer Trays

The following information were confirmed by the laboratory:

Testing Period: From May 8, 2025 to June 12, 2025
Test Results: Please refer to next page(s)

Summary of test results

Test Requested		Conclusion
1	Overall Migration Test for Silicone in Contact with Foodstuffs – Council of Europe, Resolution ResAP(2004)5	PASS
2	Sensory Test (Odour and Taste) for Materials in Contact with Foodstuffs – EC No. 1935/2004 and LFGB § 30 and 31 and BfR Recommendation	PASS
3	Volatile Organic Matter Content for Plastic Materials in Contact with Foodstuffs – LFGB § 30 and 31 and BfR Recommendation	PASS
4	Peroxides Value for Plastic Materials in Contact with Foodstuffs – LFGB § 30 and 31 and BfR Recommendation	PASS
5	Total Platinum Contents for Silicone in Contact with Foodstuffs – LFGB § 30 and 31 and BfR Recommendation	PASS

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:



Manager

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Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I001	Translucent white silicone	Lid
I002	Cyan silicone	Two-compartment tray
I003	Cyan silicone	Four-compartment tray
I004	Two-compartment silicone freezer tray	--
I005	Four-compartment tray silicone freezer tray	--

1. Overall Migration Test for Silicone in Contact with Foodstuffs – Council of Europe. Resolution ResAP(2004)5

Test Method: EN 1186-1: 2002

Test Condition:

Number	Simulant(s)	Contact time in days [d] or hours [h]	Contact temperature in [°C]
I001	3% Acetic acid	240h	40
	Iso-octane	48h	20

Number	Simulant(s)	Contact time in days [d] or hours [h]	Contact temperature in [°C]
I002	3% Acetic acid	240h	40
	95% Ethanol	240h	40
	Iso-octane	48h	20

Number	Simulant(s)	Contact time in days [d] or hours [h]	Contact temperature in [°C]
I003	3% Acetic acid	240h	40
	95% Ethanol	240h	40
	Iso-octane	48h	20

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Simulant Used	Unit	Result			Maximum Allowable Limit	Analytical Tolerance
		I001				
Food contact surface area	dm²	0.6			-	-
Volume of stimulant used	mL	100			-	-
No. of Migrate	-	1st	2nd	3rd	-	-
3% Acetic acid	mg/dm²	4.83	<3	<3	10	+2
Iso-octane	mg/dm²	101.83	3.00	<3	10	+2
Conclusion	-	PASS			-	-

Simulant Used	Unit	Result			Maximum Allowable Limit	Analytical Tolerance
		I002				
Food contact surface area	dm²	0.6			-	-
Volume of stimulant used	mL	100			-	-
No. of Migrate	-	1st	2nd	3rd	-	-
3% Acetic acid	mg/dm²	3.33	<3	<3	10	+2
95% Ethanol	mg/dm²	20.33	3.50	<3	10	+2
Iso-octane	mg/dm²	146.50	13.50	<3	10	+2
Conclusion	-	PASS			-	-

Simulant Used	Unit	Result			Maximum Allowable Limit	Analytical Tolerance
		I003				
Food contact surface area	dm²	0.6			-	-
Volume of stimulant used	mL	100			-	-
No. of Migrate	-	1st	2nd	3rd	-	-
3% Acetic acid	mg/dm²	3.67	<3	<3	10	+2
95% Ethanol	mg/dm²	22.50	13.17	5.83	10	+2
Iso-octane	mg/dm²	100.83	7.33	<3	10	+2
Conclusion	-	PASS			-	-

Note: mg/dm² = milligram per square decimeter

"<" = less than

"≤" = less than or equal to

Remark:

1) The migration test is carried out according to EU regulation No. 10/2011 and the corresponding regulatory statutes.

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2. Sensory Test (Odour and Taste) for Materials in Contact with Foodstuffs – EC No. 1935/2004 and LFGB § 30 and 31 and BfR Recommendation

Test Method: DIN 10955:2022-06.

Test Condition: 240h at 40°C

Parameter	Result		Maximum Allowable Limit
	I004	I005	
Odour	0	0	2.5 Scale
Taste	0	0	2.5 Scale
Conclusion	PASS	PASS	-

Note: Scale:

0 = no perceptible off-odour (or taste transfer);

1 = off-odour (or taste transfer) just perceptible (but still difficult to define);

2 = slight off-odour (or taste transfer);

3 = distinct off-odour (or taste transfer);

4 = strong off-odour (or taste transfer)

3. Volatile Organic Matter Content for Plastic Materials in Contact with Foodstuffs – LFGB § 30 and 31 and BfR Recommendation

Test Method: Gravimetric method.

Parameter	Unit	Result	Maximum Allowable Limit
		I002	
Volatile Organic Matter	% (w/w)	0.420	0.5
Conclusion	-	PASS	-

Parameter	Unit	Result	Maximum Allowable Limit
		I003	
Volatile Organic Matter	% (w/w)	0.400	0.5
Conclusion	-	PASS	-

Note: The limit refers to BfR Recommendation XV.

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4. Peroxides Value for Plastic Materials in Contact with Foodstuffs – LFGB § 30 and 31 and BfR Recommendation

Test Method: European Pharmacopeia 5.0, Ph. Eur. Method 2.5.5.

Parameter	Result	Maximum Allowable Limit
	I001	
Peroxides	Absent	Absent
Conclusion	PASS	-

Parameter	Result	Maximum Allowable Limit
	I002	
Peroxides	Absent	Absent
Conclusion	PASS	-

Parameter	Result	Maximum Allowable Limit
	I003	
Peroxides	Absent	Absent
Conclusion	PASS	-

Note: The limit refers to BfR Recommendation XV.

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5. Total Platinum Contents for Silicone in Contact with Foodstuffs – LFGB § 30 and 31 and BfR Recommendation

Test Method: Microwave digestion, followed by ICP-OES.

Parameter	Unit	Result	Maximum Allowable Limit
		I001	
Platinum	mg/kg	<10	50
Conclusion	-	PASS	-

Parameter	Unit	Result	Maximum Allowable Limit
		I002	
Platinum	mg/kg	<10	50
Conclusion	-	PASS	-

Parameter	Unit	Result	Maximum Allowable Limit
		I003	
Platinum	mg/kg	<10	50
Conclusion	-	PASS	-

Note: “<” = less than
mg/kg = milligrams per kilogram

Remark: The limit refers to BfR Recommendation XV.

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

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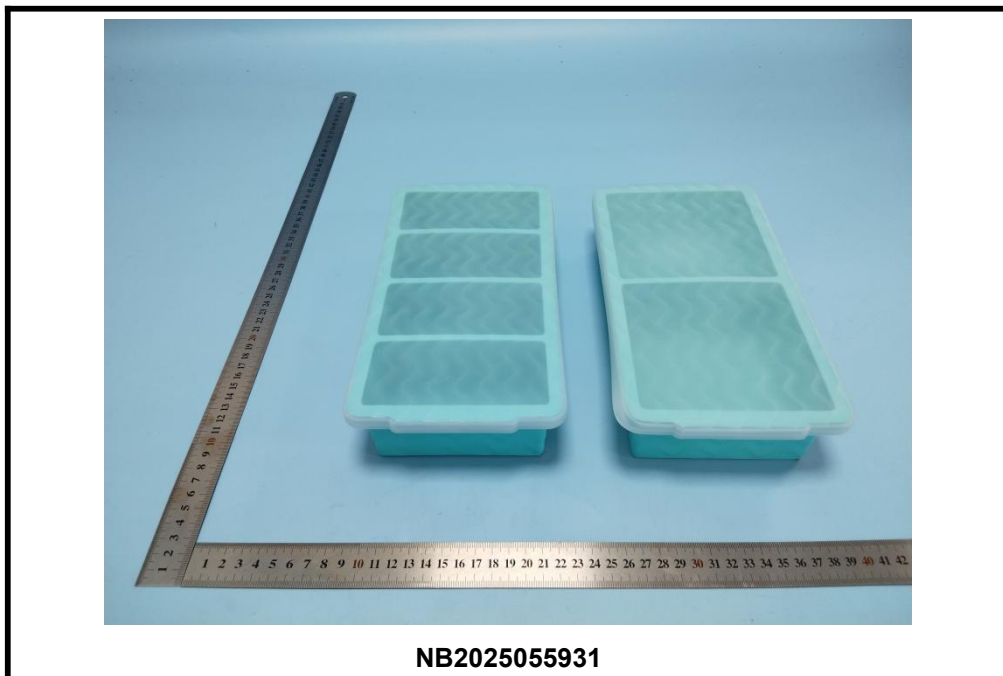
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Samples photograph



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*** End of Report ***

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