

Test Report

Number: SZHH02031682

Applicant: GZ UTOP INDUSTRIAL CO., LTD
301, NO.78 GUOYA ROAD, SHENSHAN
INDUSTRIAL AREA, JIANGGAO TOWN, BAIYUN
DISTRICT, GUANGZHOU CHINA,510460

Date: Apr 09, 2025

Attn: ALICE

Sample Description:

Three (3) styles of submitted sample said to be:

Item Code	EAN Code	Style No. or VPN name	Model Number	Item Description
167913287	167913287	45018 MM-544-24BL-01-1A	CN999990369	Minmie-Butterfly- Water Bottle-450MI-Detachable Strap-Round (Pp) Multicolour \ 9.1X8X18.8
167913288	167913288	46079 MM-011-24BL-01-1A	CN000190315	Minmie-Butterfly-Lunch Box-1150MI-2 Layer With Spoon & Fork-Rectangle (Pp) Multicolour \ 18.5X13.9X9.25
167913289	167913289	45018 MM-544-24FP-1A	CN999990369	Minmie-Caticorn-Water Bottle-450MI-Detachable Strap-Round (Pp) Multicolour \ 9.1X8X18.9
167913290	167913290	46079 MM-011-24FP-1A	CN000190315	Minmie-Caticorn-Lunch Box-1150MI-2 Layer With Spoon & Fork-Rectangle (Pp) Multicolour \ 18.5X13.9X9.26
167913291	167913291	45018 MM-544-24MM-02-1A	CN999990369	Minmie-Mermaid-Water Bottle-450MI-Detachable Strap-Round (Pp) Multicolour \ 9.1X8X18.10
167913292	167913292	46079 MM-011-24MM-02-1A	CN000190315	Minmie-Mermaid-Lunch Box-1150MI-2 Layer With Spoon & Fork-Rectangle (Pp) Multicolour \ 18.5X13.9X9.27

Item No. : --
Barcode No. : --
Vendor Stock No. : --
P.O. No. : 1791703
Concept Name : Lifestyle
Vendor Name : GZ UTOP INDUSTRIAL CO., LTD
Manufacturer Name : GZ UTOP INDUSTRIAL CO., LTD
Importer's Name : RNA RESOURCES GROUP LTD
Country of Destination : UAE
Country of Origin : China
Brand : Minmie
Remark : --
Date Sample Received : Mar 18, 2025
Testing Period : Mar 18, 2025 ~ Apr 07, 2025



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Tests conducted:

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

Conclusion:

According to the test results, the tested components of the submitted sample **met** the requirements of the following tested parameters under GSO839/2021 clause 4.7 and GSO 2231/2012 Clause 3.1.

Tested parameters	Result
1) Global Migration silicone elastomers	Pass
2) Volatile Organic Matter	Pass
3) Specific Migration of Tin	Pass
4) Peroxides	Pass
5) Overall Migration Test	Pass
6) Polycyclic Aromatic Hydrocarbons (PAHs) Content (EU REACH Annex XVII Entry 50)	Pass
7) Specific Migration of Heavy Metal	Pass
8) Visible Migration Test	Pass
9) Specific Migration of 1-Octene and 1-Hexene Test for Plastic Food Contacting Materials/Articles	Pass
10) Bisphenol-A Content	Pass

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Rachel L. Guo
Vice President

Should you have any query on this report, please click the link below:
https://verifyindex.intertek.com.cn/home/index?id=hl_report_verify



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Tests Conducted

1 Global Migration silicone elastomers

As per DGCCRF document related to organic materials on basis of synthetic material , selection of test condition & food simulants by Commission Regulation (EU) No. 10/2011 and its amendments

I. Test condition:

Tested component	Food simulant	Time(hour)	Temperature(°C)
(1)	10% (v/v) Ethanol	2	100
	3% (w/v) Acetic acid	2	100
	Rectified olive oil	1	121

II. Test Results :

Food Simulant	Result(mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)		
10% (v/v) Ethanol	ND	10	60
3% (w/v) Acetic acid	ND	10	60
Rectified olive oil	14	10	60

ND = Not detected(less than reporting limit)

Remark : As per client's request, the above condition and food simulant were used for the test.

Ratio of food contact surface area to volume used to establish the compliance of material or article = 1.0dm² : 580mL.

The limit of 60mg/kg was quoted for samples that are containers or are comparable to containers or which can be filled, with a capacity of not less than 500 millilitres (ml) and not more than 10 litres (l), can be filled and for which it is impracticable to estimate the surface area in contact with foodstuffs, caps, gaskets, stoppers or similar devices for sealing.

Tested component(s) : See component list in last section of this report.

2 Volatile Organic Matter

As per French Arrête of November 25, 1992, by gravimetric analysis.

I. Precondition of sample (before test):

Temperature: room temperature Time : 48 hours

Test condition of sample :

Temperature: 200°C Time : 4 hours

II. Result :

Tested component of submitted sample	Result (%)	Reporting limit (%)	Limit (%)
(1)	ND	0.1	0.5

ND = Not detected (less than reporting limit)

Tested Components : See component list in last section of this report.



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3 Specific Migration of Tin

A migration test was performed on the tested sample at appropriate time and temperature and then the test solution was analysed for Tin content by Inductively Coupled Plasma Spectrometry (ICP).

1. Tested condition :

Simulant : 3% acetic acid Temperature : 100 °C Time : 2hours

2. Tested result:

Element	Result (mg/kg)	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component (1)		
	1 st migration		
Tin(Sn)	ND	0.05	0.1

ND = Not detected(less than reporting limit)

Tested Component(s): See component list in the last section of this report

4 Peroxides

With reference to European Pharmacopoeia, Peroxide Value method A, by chemical analysis.

Tested component	Result	Limit
(1)	Negative	No positive reaction to peroxides

Tested Component(s): See component list in the last section of this report

5 Overall Migration Test

As per Commission Regulation (EU) No. 10/2011 and its amendments.

II. Test condition:

Tested component	Food simulant	Time(hour)	Temperature(°C)
(2)	10% (v/v) Ethanol	2	100
	3% (w/v) Acetic acid	2	100
	95%(v/v) Ethanol	4	60
	Iso -octane	2	60

Tested component	Food simulant	Time(day)	Temperature(°C)
(3)	3% (w/v) Acetic acid	10	40
	50% (v/v) Ethanol	10	40

II. Test Results :

Food Simulant	Result(mg/dm ²)	Reporting Limit (mg/dm ²)	Limit (mg/dm ²)
	(2)		
10% (v/v) Ethanol	ND	1	10
3% (w/v) Acetic acid	ND	1	10



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95%(v/v) Ethanol	ND	1	10
Iso -octane	ND	1	10

Food Simulant	Result(mg/dm ²)	Reporting Limit (mg/dm ²)	Limit (mg/dm ²)
	(3)		
3% (w/v) Acetic acid	ND	1	10
50% (v/v) Ethanol	ND	1	10

ND = Not detected(less than reporting limit)

Remark : As per client's request, the above condition and food simulant were used for the test.

Ratio of food contact surface area to volume of component (2) used to establish the compliance of material or article = 1 dm² : 151 mL.

Ratio of food contact surface area to volume of component (3) used to establish the compliance of material or article = 1 dm² : 154 mL.

Tested component(s) : See component list in last section of this report.

6 Polycyclic Aromatic Hydrocarbons (PAHs) Content (EU REACH Annex XVII Entry 50)

With reference to AfPS GS 2019:01 PAK (PAH), PAHs content was determined by Gas Chromatography-Mass Spectrometry (GC-MS).

Compound	CAS No.	Result (mg/kg) θ	Detection Limit (mg/kg)	Limit (mg/kg)
		Tested Component (1)to(3)		
Benzo[a]anthracene	56-55-3	ND	0.2	0.5
Chrysene	218-01-9	ND	0.2	0.5
Benzo[b]fluoranthene	205-99-2	ND	0.2	0.5
Benzo[k]fluoranthene	207-08-9	ND	0.2	0.5
Benzo[a]pyrene	50-32-8	ND	0.2	0.5
Dibenzo[a,h]anthracene	53-70-3	ND	0.2	0.5
Benzo[j]fluoranthene	205-82-3	ND	0.2	0.5
Benzo[e]pyrene	192-97-2	ND	0.2	0.5

The limit was quoted according to EU Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) No 1272/2013, Annex XVII Entry 50 on Polycyclic Aromatic Hydrocarbons (PAHs) content.

ND = Not detected (less than detection limit)

θ = Single result for each test component/group

Tested component(s): See component list in the last section of this report



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7 Specific Migration of Heavy Metal

As per Commission Regulation (EU) No. 10/2011 and its amendments

III. Test condition of component (2):

Temperature : 100 °C

Time : 2 hours

IV. Test condition of component (3):

Temperature : 40 °C

Time : 24 hours

II. Test result :

Food simulant	Element	Result (mg/kg)	Reporting limit	Limit (mg/kg)
		(2),(3)	(mg/kg)	
3% (w/v) Acetic acid in aqueous solution	Barium	ND	0.1	1 (max.)
	Cobalt	ND	0.03	0.05 (max.)
	Copper	ND	1	5 (max.)
	Iron	ND	5	48 (max.)
	Lithium	ND	0.1	0.6 (max.)
	Manganese	ND	0.1	0.6 (max.)
	Zinc	ND	1	5 (max.)
	Aluminum	ND	0.1	1(max)
Nickel	ND	0.01	0.02(max)	

ND = Not detected(less than reporting limit)

Tested component(s) : See component list in last section of this report.

8 Visible Migration Test

As per Council of Europe Resolution AP(89)1 .

Food simulant	Temperature	Time
3% Acetic Acid	50°C	5 hours
50% ethyl alcohol	50°C	5 hours
Oil	50°C	5 hours
10% ethyl alcohol	50°C	5 hours

Test simulant	Result	Requirement
	(2)	
3% Acetic Acid	No color transfer was observed.	No color transfer was observed.
10% ethyl alcohol	No color transfer was observed.	No color transfer was observed.
Oil	No color transfer was observed.	No color transfer was observed.

Test simulant	Result	Requirement
	(3)	
3% Acetic Acid	No color transfer was observed.	No color transfer was observed.
50% ethyl alcohol	No color transfer was observed.	No color transfer was observed.

Tested component : See component list in last section of the report.



Tests Conducted

9 Specific Migration of 1-Octene and 1-Hexene Test for Plastic Food Contacting Materials/Articles

As per Commission Regulation (EU) No. 10/2011 and its amendments.

I . Test condition

Tested component	Food simulant	Time(hour)	Temperature(°C)
(2)	10% (v/v) Ethanol	2	100
	3% (w/v) Acetic acid	2	100
	Vegetable oil	0.5	121

Tested component	Food simulant	Time(hour)	Temperature(°C)
(3)	3% (w/v) Acetic acid	24	40
	50% (v/v) Ethanol	24	40

II · Tested result of 1-octene

Food simulant	Result(mg/kg)		Report Limit (mg/kg)	Limit (mg/kg)
	(2)	(3)		
10% (v/v) Ethanol	ND	--	5.0	15
3% (w/v) Acetic acid	ND	ND	5.0	15
50% (v/v) Ethanol	--	ND	5.0	15
Vegetable oil	ND	--	5.0	15

III · Tested result of 1-hexene

Food simulant	Result(mg/kg)		Report Limit (mg/kg)	Limit (mg/kg)
	(2)	(3)		
10% (v/v) Ethanol	ND	--	1.0	3
3% (w/v) Acetic acid	ND	ND	1.0	3
50% (v/v) Ethanol	--	ND	1.0	3
Vegetable oil	ND	--	1.0	3

ND = Not detected

Tested Component(s): See component list in last section of the report



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Tests Conducted

10 French Law No. 2010-729 and its Amendment(s) including Law No. 2012-1442 and Decision No. 2015-480 QPC on Bisphenol A (BPA) Content

By solvent extraction and followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.

Test Item	CAS No.	Result (mg/kg) θ	Detection Limit (mg/kg)	Limit (mg/kg)
		Tested Component		
Bisphenol A (BPA)	80-05-7	(2),(3) ND	0.1	ND

The limit was quoted according to French Law No. 2010-729 and its Amendment(s) including Law No. 2012-1442 and Decision No. 2015-480 QPC on Bisphenol A (BPA) Content.

ND = Not detected (less than detection limit)
 θ = Single result for each test component/group

Tested component(s): See component list in the last section of this report

Component List:

- (1) Semi-transparent silicone rubber (gasket).
- (2) Pink PP plastic (lunch box).
- (3) White PE plastic (bottle).





Reference Sample Only (No test was conducted on the reference sample(s))

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8:09/2019-(Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results. Full details of our agreed decision rules and the associated risk can be viewed: <https://www.intertek.com.cn/diypage/upload/SZ-AP15-HLS-QA.pdf>.

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