

Test Report

No.: CAN23-0169756-01

Date: Dec 26, 2023

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Client Name: Xiamen Bioleader Environmental Protection Technology Co., Ltd
Address: No. 39 Xinglong Road, Xiamen, Fujian, China
Client Address: Website: www.bioleaderpack.com

1

Sample Name: Compostable Tableware
Manufacturer: /
Production Date: /
Sample Batch No.: /

The above sample(s) and information were provided by the client.

SGS Job No.: O-XMAFL202302467201
Sample Receiving Date: Dec 19, 2023
Testing Period: Dec 19, 2023 ~ Dec 26, 2023
Test Requested: Select test(s) as requested by the client.
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).

	Test Requirement	Conclusion
1	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Overall Migration	Pass
2	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Specific migration of heavy metals	Pass
3	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Specific migration of primary aromatic amine (total)	Pass
4	Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Implementing Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) 10/2011 of 14 January 2011 - Bisphenol A	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Ivy Ren

Ivy Ren
Approved Signatory

Scan to see the report



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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	1	CAN23-0169756-0001	White plastic knife	Plastic

Remarks:

- (1) mg/dm² = milligram per square decimeter
 mg/inch² = milligram per square inches
 µg/cm² = microgram per square centimeter
 mg/L = milligram per litre
 mg/kg = milligram per kilogram
- (2) °C = degree Celsius
 °F = degree Fahrenheit
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

The ratio of surface area to volume

SGS Sample ID	Overall Migration	Specific Migration
CAN23-0169756-0001	10.0 dm ² /kg	6.0 dm ² /kg

**Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004,
 (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Overall Migration**

Test Method: With reference to EN 1186-1:2002 for selection of test methods;
 EN 1186-3:2022 Test methods for overall migration in evaporable simulants

	Test Condition	
	10% Ethanol(V/V)	3% Acetic acid (W/V)
1	70°C, 2 hrs	70°C, 2 hrs

Simulant used	Limit	Unit(s)	RL	1 (1 st Migration)	Comment
10% Ethanol(V/V)	10	mg/dm ²	3.0	ND	Pass
3% Acetic acid (W/V)	10	mg/dm ²	3.0	ND	Pass

Notes:

- (1) Analytical tolerance of evaporable simulants is 2 mg/dm² or 12 mg/kg, analytical tolerance of olive oil simulant is 3 mg/dm² or 20 mg/kg.
- (2) Test condition & simulant were specified by client.
- (3) A material or article with overall migration result that exceeds the overall migration limit by an amount not exceeding the analytical tolerance, shall be deemed to be in compliance with the overall migration limit.
- (4) For repeated use, compliance of the material or article is verified on the basis of the level of the migration



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found in the third test and on the basis of the stability of the material or article from the first to the third migration test.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Specific migration of heavy metals

Test Method: With reference to EN 13130-1:2004, analysis was performed by ICP-OES/ICP-MS.

Simulant	Test Condition
	1
3% Acetic acid (W/V)	70°C, 2 hrs

Test Item(s)	Limit	Unit(s)	RL	1
3% Acetic acid (W/V)				
Migration times				First
Arsenic(As)	ND	mg/kg	0.01	ND
Cadmium(Cd)	ND	mg/kg	0.002	ND
Chromium(Cr)	ND	mg/kg	0.01	ND
Mercury(Hg)	ND	mg/kg	0.01	ND
Lead(Pb)	ND	mg/kg	0.01	ND
Aluminium(Al)	1	mg/kg	0.1	ND
Barium(Ba)	1	mg/kg	0.25	ND
Cobalt(Co)	0.05	mg/kg	0.01	ND
Copper(Cu)	5	mg/kg	0.25	ND
Iron(Fe)	48	mg/kg	5	ND
Lithium(Li)	0.6	mg/kg	0.1	ND
Manganese(Mn)	0.6	mg/kg	0.1	ND
Zinc(Zn)	5	mg/kg	0.5	ND
Nickel (Ni)	0.02	mg/kg	0.01	ND
Antimony(Sb)	0.04	mg/kg	0.01	ND
Europium(Eu)	-	mg/kg	0.025	ND
Gadolinium(Gd)	-	mg/kg	0.025	ND
Lanthanum(La)	-	mg/kg	0.025	ND
Terbium(Tb)	-	mg/kg	0.025	ND
Europium (Eu)+ Gadolinium(Gd)+ Lanthanum(La)+ Terbium(Tb)	0.05	mg/kg	-	ND
Comment	Pass			

Notes:

- (1) Test condition & simulant were specified by client.
- (2) For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. For substances which limit is "Not Detected", the compliance is based on the first migration test result if it is detected.
- (3) Method(s) in Part Specific migration of heavy metals is/are not accredited by CNAS.



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Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, (EU) No 10/2011 and its amendment (EU) 2020/1245 Regulation - Specific migration of primary aromatic amine (total)

Test Method: With reference to EN 13130-1:2004, analysis was performed by UV-Vis.

Simulant	Test Condition
	1
3% Acetic acid (W/V)	70°C, 2 hrs

Test Item(s)	Limit	Unit(s)	RL	1
3% Acetic acid (W/V)				
Migration times				First
Specific migration of primary aromatic amine	0.01	mg/kg	0.002	ND
Comment				Pass

Notes:

- (1) Test condition & simulant were specified by client.
- (2) For repeated use, compliance of the material or article is verified on the basis of the level of the migration found in the third test and on the basis of the stability of the material or article from the first to the third migration test. For substances which limit is "Not Detected", the compliance is based on the first migration test result if it is detected.
- (3) Method(s) in Part Specific migration of primary aromatic amine (total) is/are not accredited by CNAS.

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004, Commission Implementing Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) 10/2011 of 14 January 2011 - Bisphenol A

Test Method: With reference to SGS in house method, analysis was performed by HPLC-MS/LC-MS/MS .

Test Item(s)	Limit	Unit(s)	RL	1
Bisphenol A	Prohibited	mg/kg	0.1	ND
Comment				Pass

Notes:

Method(s) in Part Bisphenol A is/are not accredited by CNAS.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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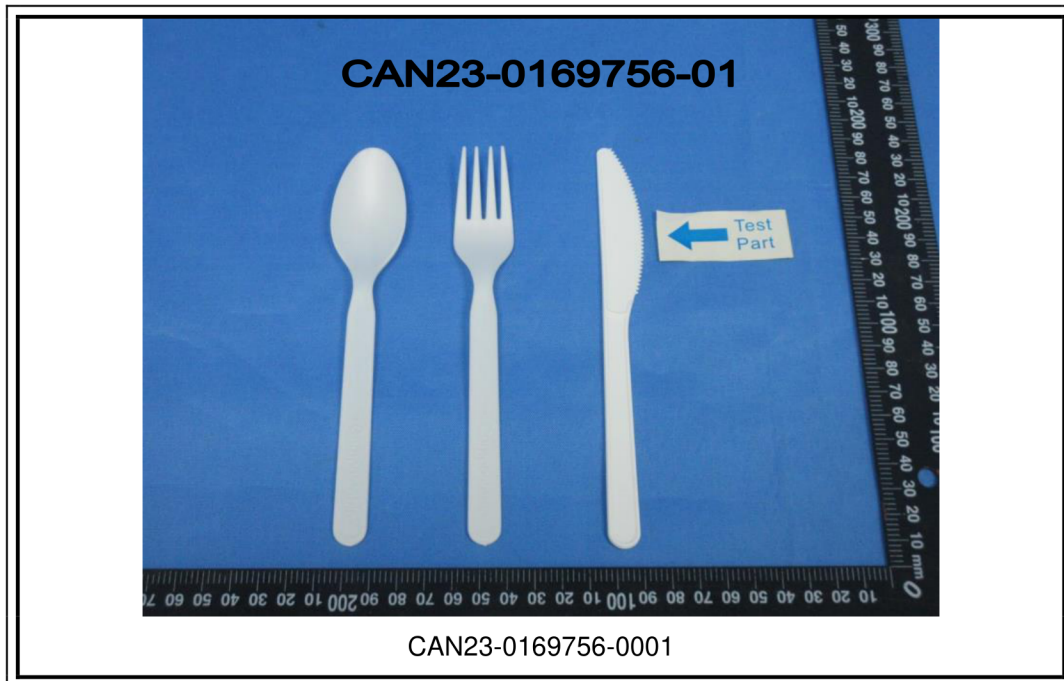
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Sample Photo:



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*** End of Report ***



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