



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Reference No. : WTF19F12089979X1C

Applicant : Mid Ocean Brands B.V.

Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong

Manufacturer : 115732

Sample Name : Food bag

Model No. : MB9103, MB9201, MB9202, MB9203, MB9204, MB9101, MB9102, MB9104

Test Requested : In accordance with Regulation (EU) No 10/2011 with amendments (EU) 2016/1416, (EU) 2017/752, (EU)2018/213, (EU)2019/37 and Regulation (EC) No 1935/2004.

Test Conclusion : **Pass** (Please refer to next pages for details)

Date of Receipt sample : 2019-12-24

Date of Test : 2019-12-24 to 2019-12-30

Date of Issue : 2020-01-03

Test Result : Please refer to next page (s)

Remark :
1) Selected test(s) as requested by applicant.
2) This report is based on Waltek test report WTF19F12089979C for revising, and replaced report WTF19F12089979C.

Remarks:

The results shown in this test report refer only to the sample(s) tested; this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.

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**Test Results:****1. Overall Migration Test**

Food Simulant	Test Condition	Result (mg/dm ²)		MDL (mg/dm ²)	Limit (mg/dm ²)
		No.1	No.2		
3% Acetic Acid	40°C for 6 hours	ND	ND	3	10
10% Ethanol	40°C for 6 hours	ND	ND	3	10
95% Ethanol	40°C for 6 hours	ND	ND	3	10
Isooctane	20°C for 1 hour	ND	ND	3	10

Note:

1. Test method: With reference to BS EN 1186-1: 2002, BS EN 1186-3: 2002, BS EN 1186-9: 2002 and BS EN 1186-14: 2002.
2. "mg/dm²" = milligram per square decimetre
3. "°C" = Celsius degree
4. MDL= Method Detection Limit
5. ND = Not Detected, less than MDL
6. The specification was quoted from (EU) No 10/2011 and its amendment (EU) 2016/1416, (EU)2017/752 and (EU)2019/37.



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**2. Specific Migration of heavy metal (Nickel, Aluminium, Barium, Cobalt, Copper, Iron, Lithium, Manganese, Zinc)**

Test Items	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	No.1	No.2		
Specific migration of Nickel	ND	ND	0.01	0.02
Specific migration of Aluminium	ND	ND	0.1	1
Specific migration of Barium	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	0.1	5
Specific migration of Iron	ND	ND	0.1	48
Specific migration of Lithium	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	0.01	0.6
Specific migration of Zinc	ND	ND	0.1	5

Note:

1. Test Method: With reference to BS EN 13130-1: 2004, sample preparation in 3% acetic acid at 40°C for 6 hours, analysis was performed by ICP-OES.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL
5. The specification was quoted from (EU) No 10/2011 and its amendment (EU) 2016/1416 and (EU)2017/752.

3. Bisphenol A Content*

Test Item	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	No.1	No.2		
Bisphenol A	ND	ND	0.1	Not Detected (<0.1mg/kg)

Note:

1. Test Method: With reference to EPA3550C:2007, analysis was performed by LC-MS-MS.
2. "mg/kg" = milligram per kilogram
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL
5. The specification was quoted from Law No 2012-1442.
6. The testing item marked with '*' does not been accredited by CNAS.

**4. Specific Migration of Bisphenol A**

Test Item	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	No.1	No.2		
Migration of Bisphenol A	ND	ND	0.01	0.05

Note:

1. Test Method: With reference to CEN/TS 13130-13-2005, sample preparation in 3% acetic acid at 40°C for 6 hours, analysis was performed by HPLC.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL
5. The specification was quoted from regulation (EU) No 10/2011 and its amendments (EU) 2018/213.

5. Specific Migration of Antimony*

Test Items	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	No.1	No.2		
Specific migration of Antimony	ND	ND	0.01	0.04

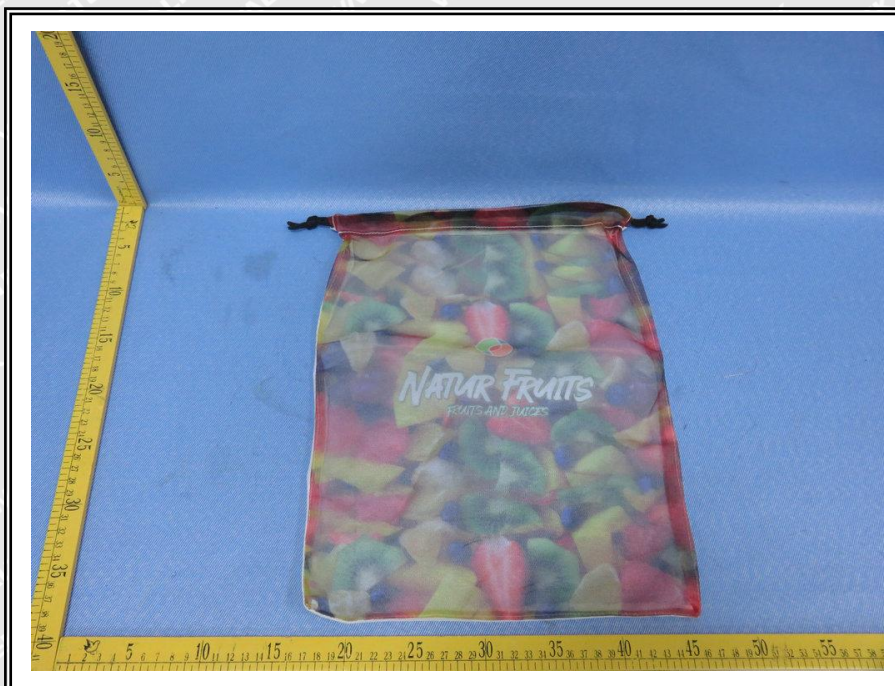
Note:

1. Test Method: With reference to EN 13130-1: 2004, sample preparation in 3% acetic acid at 40°C for 6 hours, analysis was performed by ICP-MS.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL
5. The specification was quoted from (EU) No 10/2011.
6. The testing item marked with '*' does not been accredited by CNAS.

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Sample Photo:



Photograph of parts tested:

No.	Photo of testing part	Parts Description	Client Claimed Material
1		White plastic	RPET
2		Color plastic	RPET

==== End of Report ====