



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

Test Report Number : CNB3171013-03428-C-R1

**CTS (Ningbo) Testing Service Technology Co., Ltd.
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See Reverse For Terms And Conditions of Service

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1 General Information**1.1 Application Details**

Name : Mid Ocean Brands B.V
Address : Unit 201, 2/F., Laford Centre, 838 Lai Chi Kok Road, Lai Chi Kok,
Kowloon, Hong Kong
Contact : /
Telephone : +86-29982344
Fax : +86-29982305
Mobile telephone : /
Email : /

1.2 Manufacturer & Buyer

Manufacturer name : VENDOR CODE:111034
Address : /
Contact : /
Telephone : /
Fax : /
Mobile telephone : /
Email : /
Buyer name : MID OCEAN HONGKONG LIMITED

1.3 Description of the Test Item

Sample name : BOTTLE WITH 7 DAYS PILL BOX, TRITAN SLIM BOTTLE
Model No. : MO9249, MO9357
Brand name : /
Condition of sample(s) : EFFECTIVE

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2 Test Results**2.1 General Information****2.1.1 Sample Receiving Date**

Oct. 13, 2017

2.1.2 Testing Period

Oct. 13, 2017 to Oct. 19, 2017

2.1.3 Test Requested

In accordance with Council of Europe Resolution AP(2004)5, European Commission Directive 1935/2004/EC, Regulation (EU) No.10/2011, Regulation (EU) No.2016/1416 and Regulation (EU) 2017/752.

- 1) For material : Plastic and Silicon rubber – Overall migration test
- 2) For material : Plastic – Specific migration of heavy metal

2.1.4 Test Method

- 1) With reference to EN 1186-1 for selection of temperature and condition; total immersion with reference to EN 1186-3 for aqueous food simulants and EN 1186-2 for olive oil.
- 2) With reference to Commission Regulation (EU) No.10/2011 of 14 January 2011 Annex III and Annex V for selection of simulant and conditions, EN13130-1:2004 for selection of test method, Samples were prepared at specific condition, followed by analysis using Inductively Coupled Argon Plasma Spectrometry.

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2.2 Results

1) Overall Migration Test

Simulant used	Temperature and condition	Limit (mg/dm ²)	Result (mg/dm ²)			
			No.1	No.2	No.3	No.4
10% Ethanol	70 deg. C, 2 hours	10	<3	<3	<3	<3
3% Acetic acid	70 deg. C, 2 hours	10	<3	<3	<3	<3
20% Ethanol	70 deg. C, 2 hours	10	<3	<3	<3	<3
50% Ethanol	70 deg. C, 2 hours	10	<3	<3	<3	<3
Rectified olive oil	70 deg. C, 2 hours	10	<3	<3	<3	<3
Conclusion	--	--	Pass	Pass	Pass	Pass

Simulant used	Temperature and condition	Limit (mg/dm ²)	Overall Migration (mg/dm ²)	
			No.5	No.6
Distilled water	70 deg. C, 2 hours	10	<3	<3
3% Acetic acid	70 deg. C, 2 hours	10	<3	<3
10% Ethanol	70 deg. C, 2 hours	10	<3	<3
95% Ethanol	70 deg. C, 2 hours	10	9*	8*
Isooctane	70 deg. C, 2 hours	10	6*	5*
Conclusion	--	--	Pass	Pass

- Note :
1. mg/dm² = milligram per square decimeter
 2. <= less than
 3. *The result was got from the third extraction duration
 4. The tested part of the sample was specified by client.

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2) Specific migration of heavy metal

Test Item	Limit (mg/kg)	MDL (mg/kg)	Result (mg/kg)			
			No.1	No.2	No.3	No.4
Extractable Barium	1.0	0.5	N.D.	N.D.	N.D.	N.D.
Extractable Cobalt	0.05	0.02	N.D.	N.D.	N.D.	N.D.
Extractable Copper	5.0	1.0	N.D.	N.D.	N.D.	N.D.
Extractable Iron	48.0	2.0	N.D.	N.D.	N.D.	N.D.
Extractable Lithium	0.6	0.2	N.D.	N.D.	N.D.	N.D.
Extractable Manganese	0.6	0.2	N.D.	N.D.	N.D.	N.D.
Extractable Zinc	5.0	2.0	N.D.	N.D.	N.D.	N.D.
Extractable Aluminium	1.0	0.5	N.D.	N.D.	N.D.	N.D.
Extractable Nickel	0.02	0.02	N.D.	N.D.	N.D.	N.D.
Conclusion	--	--	Pass	Pass	Pass	Pass

- Note :
1. mg/kg = milligram per kilogram
 2. N.D. = not detected (less than MDL)
 3. The limit refers to Regulation (EU) No.10/2011, Regulation (EU) No.2016/1416 and Regulation (EU) 2017/752.
 4. The tested part of the sample was specified by client.
 5. The report is amended from the report CNB3171013-03428-C. The report CNB3171013-03428-C become invalid.

Test Part Description :

- No.1 : Transparent TRITAN body of bottle
 No.2 : White PP (cover/body)
 No.3 : Blue transparent TRITAN body of bottle
 No.4 : Grey PP cover
 No.5 : Transparent silicone ring
 No.6 : Grey silicone ring (inside of cover)

Written by:

Jessie

Inspected by:

Suzie

Approved by:

Jan



End of Report

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3 Sample Reference Photo



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The following photos were submitted and identified by the client, only for reference



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