



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Reference No. : WTF16F1166111R1C
Applicant : Mid Ocean Brands B.V.
Address : Unit 201 2/F., Laford Centre, 838 Lai Chi Kok Road, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer : 114276
Sample Name : Tritan bottle
Model No. : MO8917
Test Requested : In accordance with German Food, Articles of Daily Use and Feed Code of September 1, 2005(LFGB) Section 30 & 31, BfR recommendation, French Décret n°2007-766 with amendments, French Information Note DGCCRF 2014-108 and Regulation (EC) No 1935/2004
Test Conclusion : **Pass** (Please refer to next pages for details)
Date of Receipt sample : 2016-11-07 & 2016-12-04
Date of Test : 2016-11-07 to 2016-12-07
Date of Issue : 2016-12-07
Test Result : Please refer to next page (s)

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.

Prepared By:

Waltek Services (Foshan) Co., Ltd.

Address: No. 13-19, 2/F, 2nd Building, Sunlink International Machinery City, Chencun Town, Shunde District, Foshan, Guangdong, China

Tel :+86-757-23811398

Fax:+86-757-23811381

Compiled by:

Humour Wu

Humour Wu / Project Engineer

Approved by:



Jackson Zhou

Jackson Zhou / Lab Manager

**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	70°C for 2 hours	ND	ND	3	10
10% Ethanol [#]	70°C for 2 hours	3.6	4.8	3	10

Note:

1. Test method: With reference to EN 1186-1: 2002, EN 1186-3: 2002 and EN 1186-9: 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.
7. "[#]" = Results are extracted from report No. WTF16F1166111C.

2. Specific Migration of heavy metal (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 Aluminium*	0.1	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	0.1	0.1	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	0.1	ND	0.1	5

Note:

1. Test Method: With reference to EN 13130-1: 2004, sample preparation in 3% acetic acid at 70°C for 2 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, (EU) 2016/1416.
6. The testing item marked with "*" does not been accredited by CNAS.
7. All results are extracted from report No. WTF16F1166111C.

**3. Specific Migration of Primary Aromatic Amines**

Test Item	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	No.1	No.2		
Migration of Primary aromatic amines	ND	ND	0.01	Not Detected (<0.01mg/kg)

Note:

1. Test Method: With reference to § 64 LFGB L No. 00.00-6, analysis was performed by UV-visible Spectrometer.
2. Test Condition and simulant: 3% acetic acid at 70°C for 2 hours.
3. "mg/kg" = milligram per kilogram of foodstuff in contact with
4. MDL= Method Detection Limit
5. ND = Not Detected, less than MDL
6. The specification was quoted from (EU) No 10/2011.
7. All results are extracted from report No. WTF16F1166111C.

4. 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 US EPA 3540C-1996, analysis was performed by GC-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.
7. All results are extracted from report No. WTF16F1166111C.

5. Specific Metal Content Test (Chromium, Vanadium, Zirconium, Hafnium)

Test Items	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	No.1		
Chromium (Cr) *	ND	5	10
Vanadium (V) *	ND	5	20
Zirconium (Zr) *	ND	5	100
Hafnium (Hf) *	ND	5	100

Note:

1. Test method: Acid digestion, analysis was performed by ICP-OES.
2. "mg/kg" = milligram per kilogram
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL



5. The specification was quoted from BfR recommendation VII.
6. The testing item marked with “*” does not been accredited by CNAS.
7. All results are extracted from report No. WTF16F1166111C.

6. Specific Metal Content test (Lead, Zinc, Manganese, Lithium, Cobalt, Titanium, Antimony)

Test Items	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	No.2		
Lead (Pb)*	ND	5	40
Zinc (Zn)*	24	5	80
Manganese (Mn)*	ND	5	140
Lithium (Li)*	ND	5	130
Cobalt (Co)*	ND	5	125
Titanium (Ti)*	ND	5	120
Antimony (Sb)*	ND	5	350

Note:

1. Test method: Acid digestion, analysis was performed by ICP-OES.
2. “mg/kg” = milligram per kilogram
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL
5. The specification was quoted from BfR recommendation XVII.
6. The testing item marked with “*” does not been accredited by CNAS.
7. All results are extracted from report No. WTF16F1166111C.

7. Peroxide Value Test

Test Item	Result	Limit
	No.2	
Peroxide Value *	Absent	Absent

Note:

1. Test method: With reference to European Pharmacopeia (2005) ANNEX X F, Clause 2.5.5, method A.
2. The specification was quoted from BfR recommendation VI.
3. The testing item marked with “*” does not been accredited by CNAS.
7. All results are extracted from report No. WTF16F1166111C.

**8. Specific Migration of Antimony**

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

Note:

1. Test Method: With reference to EN 13130-1: 2004, sample preparation in 3% acetic acid at 70°C for 2 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.
6. The testing item marked with '*' does not been accredited by CNAS.
7. All results are extracted from report No. WTF16F1166111C.

**WALTEK**



Reference No.: WTF16F1166111R1C

Page 6 of 6

Sample Photo:



Photograph of parts tested:

No.	Photo of testing part	Parts Description	Client Claimed Material
1		Red plastic	PP
2		Red plastic	Tritan

===== End of Report =====



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Reference No. : WTF16F1164760R1C
Applicant : Mid Ocean Brands B.V.
Address : Unit 201 2/F., Laford Centre, 838 Lai Chi Kok Road, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer : 114276
Sample Name : Tritan bottle
Model No. : MO8917
Test Requested : In accordance with Council of Europe Resolution AP(2004)5 and Regulation (EC) No 1935/2004
Test Conclusion : **Pass** (Please refer to next pages for details)
Date of Receipt sample : 2016-11-07 & 2016-12-04
Date of Test : 2016-11-07 to 2016-12-07
Date of Issue : 2016-12-07
Test Result : Please refer to next page (s)

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.

Prepared By:

Waltek Services (Foshan) Co., Ltd.

Address: No. 13-19, 2/F, 2nd Building, Sunlink International Machinery City, Chencun Town, Shunde District, Foshan, Guangdong, China

Tel : +86-757-23811398

Fax: +86-757-23811381

Compiled by:

Humour Wu

Humour Wu / Project Engineer

Approved by:



Jackson Zhou

Jackson Zhou / Lab Manager

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

Food Simulant	Test Condition	Result (mg/kg)	MDL(mg/kg)	Limit (mg/kg)
		No.1		
Distilled Water*	70°C for 2 hours	ND	20	60
3% Acetic Acid*	70°C for 2 hours	ND	20	60
10% Ethanol	70°C for 2 hours	ND	20	60

Note:

1. Test method: With reference to EN 1186-1: 2002, EN 1186-3: 2002 and EN 1186-9: 2002.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. "°C" = Celsius degree
4. MDL= Method Detection Limit
5. ND = Not Detected, less than MDL
6. The specification was quoted from Council of Europe Resolution AP(2004)5.
7. "*" = Results are extracted from report No. WTF16F1164760C.

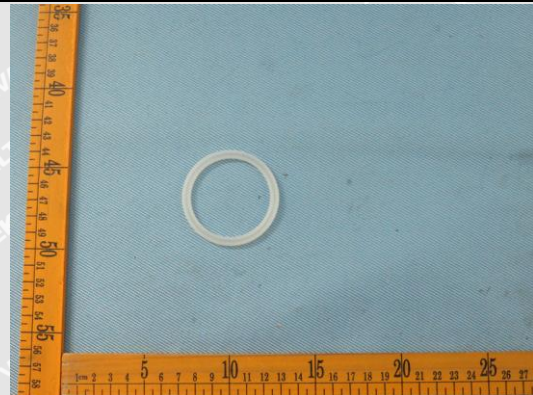
Sample Photo:



Reference No.: WTF16F1164760R1C

Page 3 of 3

Photograph of parts tested:

No.	Photo of testing part	Parts Description	Client Claimed Material
1		Translucent silicone rubber	Silicone rubber

===== End of Report =====

WALTEK