



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** ..... : WTF20F09071171F

**Applicant** ..... : Mid Ocean Brands B.V.

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

**Manufacturer** ..... : 115253

**Sample Name** ..... : Stainless steel mug

**Model No.** ..... : MO3559

**Test Requested** ..... : In accordance with Council of Europe Resolution AP(2004)5, (EU) No 10/2011 with amendments and Regulation (EC) No 1935/2004.

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

**Date of Receipt sample** .... : 2020-09-28

**Date of Test** ..... : 2020-09-28 to 2020-10-23

**Date of Issue** ..... : 2020-10-23

**Test Result** ..... : Please refer to next page (s)

**Note** ..... : Selected test(s) as requested by applicant

**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.  
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Compiled by:

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Abby.Zhou / Project Engineer

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

Food Simulant	Test Condition	Result (mg/kg)		LOQ(mg/kg)	Limit (mg/kg)
		No.1			
3% Acetic Acid	100°C for 6 hours	ND		20	60
10% Ethanol	100°C for 6 hours	ND		20	60

**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/kg" = milligram per kilogram
3. "°C" = Celsius degree
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from Council of Europe Resolution AP (2004)5.

Food Simulant	Test Condition	Result (mg/dm <sup>2</sup> )		LOQ (mg/dm <sup>2</sup> )	Limit (mg/dm <sup>2</sup> )
		No.2	No.3		
3% Acetic Acid	100°C for 6 hours	ND	ND	3	10
10% Ethanol	100°C for 6 hours	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/dm<sup>2</sup>" = Milligrams per decimeter squared
3. "°C" = Celsius degree
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416, (EU) 2017/752 and (EU) 2019/37.

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

Test Items	Result (mg/kg)		LOQ (mg/kg)	Limit (mg/kg)
	No.2	No.3		
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 100°C for 6 hours, analysis was performed by ICP-OES.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. LOQ = Limit of quantitation
4. ND = Not Detected or lower than limit of quantitation
5. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416 and (EU) 2017/752.

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

Test Item	Result (mg/kg)		LOQ (mg/kg)	Limit (mg/kg)
	No.2	No.3		
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 100°C for 6 hours.
3. "mg/kg" = milligram per kilogram of foodstuff in contact with
4. LOQ = Limit of quantitation
5. ND = Not Detected or lower than limit of quantitation
6. The specification was quoted from (EU) No 10/2011 and its amendments (EU) 2016/1416 and (EU) 2017/752.

**4. 1,3-butadiene Content**

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.3				
1,3-butadiene	ND			0.5	1

## Note:

1. Test Method: With reference to DIN EN 13130-4:2004, analysis was performed by HS-GC-MS.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. LOQ = Limit of quantitation
4. ND = Not Detected or lower than limit of quantitation
5. The specification was quoted from (EU) No 10/2011.

**5. Specific Migration of Acrylonitrile**

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.3				
Migration of Acrylonitrile	ND			0.01	Not Detected (<0.01mg/kg)

## Note:

1. Test Method: With reference to EN 13130-3:2004, sample preparation in 3% acetic acid at 100°C for 6 hours, analysis was performed by HS-GC-MS.
2. "mg/kg" = milligram per kilogram of foodstuff in contact with
3. LOQ= Method Detection Limit
4. ND = Not Detected, less than LOQ
5. The specification was quoted from (EU) No 10/2011.

**6. Bisphenol A Content\***

Test Item	Result (mg/kg)			LOQ (mg/kg)	Limit (mg/kg)
	No.1	No.2	No.3		
Bisphenol A	ND	ND	ND	0.1	Not Detected (<0.1mg/kg)

## Note:

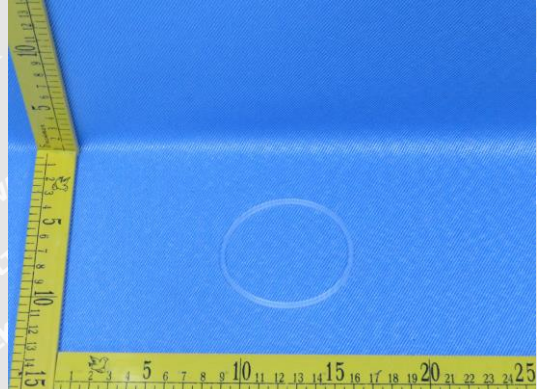
1. Test Method: With reference to EPA3550C:2007, analysis was performed by GC-MS.
2. "mg/kg" = milligram per kilogram
3. LOQ = Limit of quantitation
4. ND = Not Detected or lower than limit of quantitation
5. The specification was quoted from Law No 2012-1442.
6. The testing item marked with "\*" does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




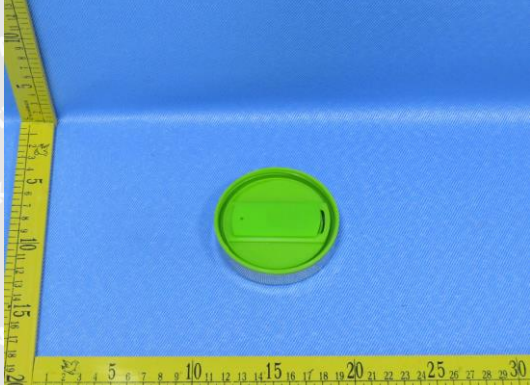
**Sample Photo:**



**Photograph of parts tested:**

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



No.	Photo of testing part	Parts Description	Client Claimed Material
2		Green plastic	PP
3		Green plastic	ABS

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

# WALTEK