



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** ..... : WTF18F10126192C

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

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

**Manufacturer** ..... : 111587

**Sample Name** ..... : 600D Hydrapack w 2L water bag

**Model No.** ..... : MO9550

**Test Requested** ..... : In accordance with Regulation (EU) No 10/2011 with amendments (EU) 2016/1416, (EU) 2017/752, (EU)2018/79, (EU)2018/213, Council of Europe Resolution AP(2004)5, Regulation (EC) No 1935/2004 and French Law No.2012-1442 of Dec 2012.

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

**Date of Receipt sample** .... : 2018-10-13

**Date of Test** ..... : 2018-10-13 to 2018-10-29

**Date of Issue** ..... : 2018-10-29

**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.

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

Food Simulant	Test Condition	Result (mg/dm <sup>2</sup> )				MDL (mg/dm <sup>2</sup> )	Limit (mg/dm <sup>2</sup> )
		No.1	No.3	No.4	No.5		
10% Ethanol	40°C for 24 hours	ND	ND	ND	ND	3	10

Food Simulant	Test Condition	Result (mg/dm <sup>2</sup> )			MDL (mg/dm <sup>2</sup> )	Limit (mg/dm <sup>2</sup> )
		No.6	No.7	No.8		
10% Ethanol	40°C for 24 hours	ND	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 EN1186-14: 2002.
2. "mg/dm<sup>2</sup>" = 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 amendments (EU) 2016/1416 and (EU) 2017/752.

Food Simulant	Test Condition	Result (mg/kg)	MDL(mg/kg)	Limit (mg/kg)
		No.2		
10% Ethanol	40°C for 24 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 EN1186-14: 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.

**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.3	No.4	No.5		
Specific migration of Nickel*	ND	ND	ND	0.01	0.02
Specific migration of Aluminium*	ND	ND	ND	0.1	1
Specific migration of Barium	ND	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	ND	0.1	5
Specific migration of Iron	ND	ND	ND	0.1	48
Specific migration of Lithium	ND	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	ND	0.01	0.6
Specific migration of Zinc	ND	ND	ND	0.1	5

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Test Items	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	No.6	No.7	No.8		
Specific migration of Nickel*	ND	ND	ND	0.01	0.02
Specific migration of Aluminium*	ND	ND	ND	0.1	1
Specific migration of Barium	ND	ND	ND	0.1	1
Specific migration of Cobalt	ND	ND	ND	0.01	0.05
Specific migration of Copper	ND	ND	ND	0.1	5
Specific migration of Iron	ND	ND	ND	0.1	48
Specific migration of Lithium	ND	ND	ND	0.01	0.6
Specific migration of Manganese	ND	ND	ND	0.01	0.6
Specific migration of Zinc	ND	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 24 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 amendments (EU) 2016/1416 and (EU)2017/752.
6. The testing item marked with "\*" does not been accredited by CNAS.

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

Test Item	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	No.3	No.4	No.5		
Migration of Primary aromatic amines	ND	ND	ND	0.01	Not Detected (<0.01mg/kg)

Test Item	Result (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
	No.6	No.7	No.8		
Migration of Primary aromatic amines	ND	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 simulat: 3% acetic acid at 40°C for 24 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 and its amendments (EU) 2016/1416 and (EU) 2017/752.

**4. Bisphenol A Content\***

Test Item	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
	No.1	No.2	No.3	No.4		
Bisphenol A	ND	ND	ND	ND	0.1	Not Detected (<0.1mg/kg)

Test Item	Result (mg/kg)				MDL (mg/kg)	Limit (mg/kg)
	No.5	No.6	No.7	No.8		
Bisphenol A	ND	ND	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.




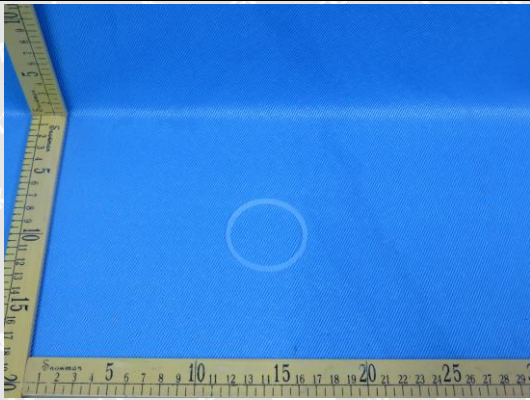


**Sample Photo:**



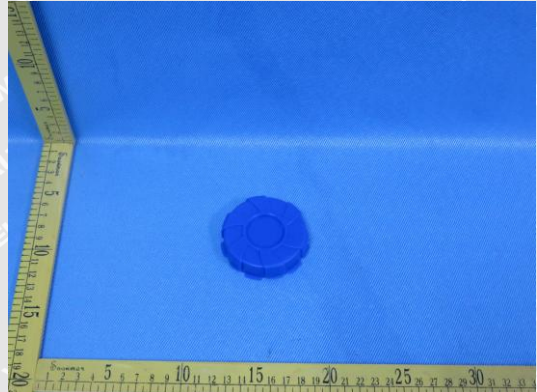
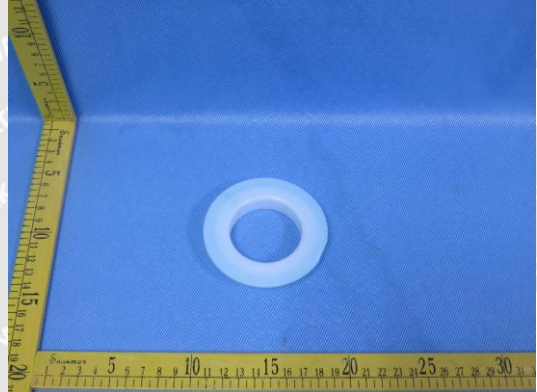

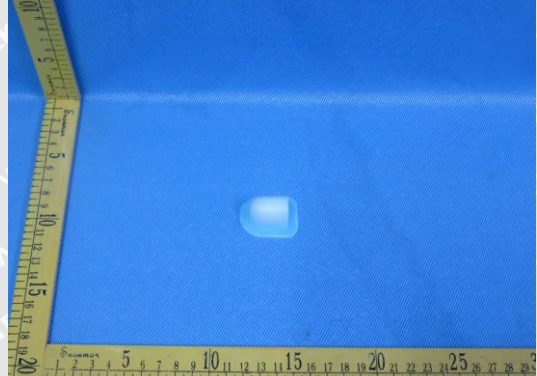
**WALTEK**



Photograph of parts tested:

No.	Photo of testing part	Parts Description	Client Claimed Material
1		Blue silicone rubber	Silicone rubber
2		Transparent silicone rubber	Silicone rubber
3		White plastic	PP
4		Blue film	EVA



No.	Photo of testing part	Parts Description	Client Claimed Material
5		Blue plastic	HDPE
6		White plastic	EVA
7		Blue plastic	HDPE
8		White plastic	EVA

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