



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Reference No.** : WTF19F11081224C  
**Applicant** : Mid Ocean Brands B.V.  
**Address** : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
**Manufacturer** : 113893  
**Sample Name** : 10 mini tissues in packet  
**Model No.** : MO8649  
**Test Requested** : 1) Determination of Lead content in the submitted sample in accordance with REACH regulation Annex XVII Entries 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628  
2) Determination of Cadmium content in the submitted sample in accordance with REACH regulation Annex XVII Entries 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011, No. 835/2012 and (EU) 2016/217  
3) Determination of specified Phthalates content according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005  
**Test Method** : Please refer to next page (s)  
**Test Conclusion** : Please refer to next page (s)  
**Date of Receipt sample** : 2019-11-22  
**Date of Test** : 2019-11-22 to 2019-11-28  
**Date of Issue** : 2019-11-28  
**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.

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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Compiled by:

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Approved by:



*Swing.Liang*

Swing.Liang / Lab Manager

**Test Result:****1) Lead (Pb)**

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)	Limit (mg/kg)
		No.1+No.2	
Lead(Pb)	2	ND*	500
<b>Conclusion</b>	--	<b>Pass</b>	--

**Note:**

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than MDL)
- (3) MDL = Method Detection Limit
- (4) Limit of Lead was quoted from REACH regulation Annex XVII Item 63 (EC) No. 1907/2006 and the amendment No. 836/2012 and (EU) 2015/628.
- (5) "\*" = Results are calculated by the minimum weight of mixed components.

**2) Cadmium (Cd)**

Test Method: With reference to IEC 62321-5:2013, the analysis was performed by ICP-OES.

Test Item	MDL (mg/kg)	Results (mg/kg)
		No.1+No.2
Cadmium(Cd)	2	ND*
<b>Conclusion</b>	--	<b>Pass</b>

**Note:**

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than MDL)
- (3) MDL = Method Detection Limit
- (4) Limit of Cadmium according to REACH regulation Annex XVII Item 23 (EC) No. 1907/2006 and the amendment No. 552/2009, No. 494/2011 and No. 835/2012 and (EU) 2016/217.

Category	Limit (mg/kg)
Wet paint	100
Surface coating	1000
Plastic	100
Metal parts of jewellery and hair accessories	100

- (5) "\*" = Results are calculated by the minimum weight of mixed components.



### 3) Phthalates

Test Method: With reference to EN14372:2004, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Items	MDL (%)	Results (%)	Limit (%)
		No.1+No.2	
Benzyl butyl phthalate (BBP)	0.005	ND*	sum of four phthalates < 0.1
Di (2-ethyl hexyl)- phthalate (DEHP)	0.005	ND*	
Dibutyl phthalate (DBP)	0.005	ND*	
Diisobutyl phthalate (DIBP)	0.005	ND*	
Diisodecyl phthalate (DIDP)	0.01	ND*	sum of three phthalates < 0.1
Diisononyl phthalate (DINP)	0.01	0.027*	
Di-n-octyl phthalate (DNOP)	0.005	ND*	
<b>Conclusion</b>	--	<b>Pass</b>	--

#### Note:

DBP= Dibutyl phthalate

BBP= Benzyl butyl phthalate

DEHP= Bis-(2-ethylhexyl)- phthalate

DINP= Di-isononyl phthalate

DNOP= Di-n-octyl phthalate

DIDP= Di-isodecyl phthalate

DIBP= Diisobutyl phthalate

(1) % = percentage by weight

(2) ND = Not detected or Less than the method detection limit

(3) MDL=Method Detection Limit

(4) "<" = less than

(5) The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & No. 2018/2005 (formerly known as Directive 2005/84/EC) for phthalate content in toys and child care articles.

(6) "\*" = Results are calculated by the minimum weight of mixed components.

#### Test Specimen Description:

No.1: Transparent plastic adhesive sheet

No.2: Red transparent plastic bag



**Sample photo:**



**Photographs of parts tested:**



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



# TEST REPORT

**Reference No.** ..... : WTF19F11081222C  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong  
**Manufacturer** ..... : 113893  
**Sample Name** ..... : 10 mini tissues in packet  
**Model No.** ..... : MO8649  
**Test Requested** ..... : In accordance with Regulation (EU) No 10/2011, Council of Europe Resolution AP(2002)1 and Regulation (EC) No 1935/2004.  
**Test Conclusion** ..... : **Pass** (Please refer to next pages for details)  
**Date of Receipt sample** .... : 2019-11-22  
**Date of Test** ..... : 2019-11-22 to 2020-01-03  
**Date of Issue** ..... : 2020-01-03  
**Test Result** ..... : Please refer to next page (s)

**Remarks:**

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Compiled by:

Approved by:

*Abby.Zhou*

Abby.Zhou / Project Engineer



*Swing Liang*

Swing.Liang / Lab Manager

**Test Results:****1. Specific Migration of Formaldehyde**

Test Item	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	No.1		
Migration of Formaldehyde	ND	1	15

**Note:**

1. Test Method: With reference to EN 645-1994 and BS EN 1541-2001, sample preparation in 4% acetic acid at  $22\pm 2^{\circ}\text{C}$  for 24 hours, analysis was performed by UV-visible Spectrometer.
2. "mg/dm<sup>2</sup>" = milligram per square decimetre
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL
5. The specification was quoted from Council of Europe Resolution AP (2002)1.

**2. Pentachlorophenol (PCP) Content**

Test Item	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
	No.1		
Pentachlorophenol (PCP)	ND	0.10	0.15

**Note:**

1. Test method: With reference to LFGB § 64 BVL B 82.02.8-2001, 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 Council of Europe Resolution AP(2002)1.

**3. Extractable Lead, Cadmium and Mercury Content**

Test Items	Result (mg/dm <sup>2</sup> )	MDL (mg/dm <sup>2</sup> )	Limit (mg/dm <sup>2</sup> )
	No.1		
Extractable Lead	ND	0.001	0.003
Extractable Cadmium	ND	0.001	0.002
Extractable Mercury	ND	0.001	0.002

**Note:**

1. Test method: With reference to EN 645-1994, sample preparation in 4% acetic acid at  $22\pm 2^{\circ}\text{C}$  for 24 hours, analysis was performed by ICP-OES.
2. "mg/dm<sup>2</sup>" = milligram per square decimetre
3. MDL= Method Detection Limit
4. ND = Not Detected, less than MDL
5. The specification was quoted from Council of Europe Resolution AP(2002)1.

**4. Fluorescent bluing agents<sup>#</sup>**

Simulant Used	Test Condition	Result (Grade)	Limit (Grade)
		No.1	
3% Acetic acid	Procedure C 10 min at (23 ± 2)°C	5	5

Note:

1. Test method: With reference to BS EN 648:2018, analyzed by ultraviolet lamp (365nm).
2. Scale:  
5 = negligible or no change or staining  
4 = slightly changed or stained;  
3 = noticeably changed or stained;  
2 = considerably changed or stained;  
1 = much changed or stained
3. The specification was quoted from Council of Europe Resolution AP(2002)1.
4. The testing item marked with <sup>#</sup> is subcontracted items.

**5. Determination of The Transfer of Antimicrobial Constituents<sup>#</sup>**

Test Culture	Result (Grade)	Specification
	No.1	
Aspergillus niger (ATCC 6275)	Absent	Absence of inhibition zone
Bacillus subtilis (ATCC 6633)	Absent	Absence of inhibition zone

Note:

1. Test method: With reference to BS EN 1104:2018, sample preparation in closed plastic bag.
2. The specification was quoted from Council of Europe Resolution AP(2002)1.
3. The testing item marked with <sup>#</sup> is subcontracted items.

**Sample Photo:****Photograph of parts tested:**

No.	Photo of testing part	Parts Description	Client Claimed Material
1		White paper	Paper

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