



中国认可
国际互认
检测
TESTING
CNAS L6478



TEST REPORT

Report No. : WTF22F09194541C

Applicant : Mid Ocean Brands B.V.

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

Manufacturer : 114276

Sample Name : PE bottle

Sample Model : MO9538

Test Requested : 1) 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
2) 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 Conclusion : Refer to next page (s)

Date of Receipt sample : 2022-09-26

Testing period : 2022-09-26 to 2022-10-08

Date of Issue : 2022-10-10

Test Result : Refer to next page (s)

Note : As specified by client, only test the designated sample.

Prepared By:

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Signed for and on behalf of
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Swing.Liang

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Sample photo:



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1) Cadmium (Cd)

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

| Test Item | LOQ (mg/kg) | Results (mg/kg) | |
|-------------------|-------------|-----------------|----------------|
| | | No.1+No.2+No.3 | No.4+No.5+No.6 |
| Cadmium(Cd) | 2 | ND* | ND* |
| Conclusion | -- | Pass | Pass |

| Test Item | LOQ (mg/kg) | Results (mg/kg) | |
|-------------------|-------------|-----------------|-------------------|
| | | No.7+No.8+No.9 | No.10+No.11+No.12 |
| Cadmium(Cd) | 2 | ND* | ND* |
| Conclusion | -- | Pass | Pass |

| Test Item | LOQ (mg/kg) | Results (mg/kg) | |
|-------------------|-------------|-----------------|-------------|
| | | No.13 | No.14 |
| Cadmium(Cd) | 2 | ND | ND |
| Conclusion | -- | Pass | Pass |

Note:

- (1) mg/kg = milligram per kilogram
- (2) ND = Not Detected (lower than LOQ)
- (3) LOQ = Limit of quantitation
- (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.



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2) Phthalates

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

| Test Items | LOQ (%) | Results (%) | | Limit (%) |
|--------------------------------------|---------|----------------|----------------|-------------------------------|
| | | No.1+No.2+No.3 | No.4+No.5+No.6 | |
| Benzyl butyl phthalate (BBP) | 0.005 | ND* | ND* | sum of four phthalates < 0.1 |
| Di (2-ethyl hexyl)- phthalate (DEHP) | 0.005 | ND* | ND* | |
| Dibutyl phthalate (DBP) | 0.005 | ND* | ND* | |
| Diisobutyl phthalate (DIBP) | 0.005 | ND* | ND* | |
| Diisodecyl phthalate (DIDP) | 0.01 | ND* | ND* | sum of three phthalates < 0.1 |
| Diisononyl phthalate (DINP) | 0.01 | ND* | ND* | |
| Di-n-octyl phthalate (DNOP) | 0.005 | ND* | ND* | |
| Conclusion | -- | Pass | Pass | -- |

| Test Items | LOQ (%) | Results (%) | | Limit (%) |
|--------------------------------------|---------|----------------|--------------------|-------------------------------|
| | | No.7+No.8+No.9 | No.10+No.11 +No.12 | |
| Benzyl butyl phthalate (BBP) | 0.005 | ND* | ND* | sum of four phthalates < 0.1 |
| Di (2-ethyl hexyl)- phthalate (DEHP) | 0.005 | ND* | ND* | |
| Dibutyl phthalate (DBP) | 0.005 | ND* | ND* | |
| Diisobutyl phthalate (DIBP) | 0.005 | ND* | ND* | |
| Diisodecyl phthalate (DIDP) | 0.01 | ND* | ND* | sum of three phthalates < 0.1 |
| Diisononyl phthalate (DINP) | 0.01 | ND* | ND* | |
| Di-n-octyl phthalate (DNOP) | 0.005 | ND* | ND* | |
| Conclusion | -- | Pass | Pass | -- |



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| Test Items | LOQ (%) | Results (%) | | Limit (%) |
|--------------------------------------|---------|-------------|-------------|-------------------------------|
| | | No.13 | No.14 | |
| Benzyl butyl phthalate (BBP) | 0.005 | ND | ND | sum of four phthalates < 0.1 |
| Di (2-ethyl hexyl)- phthalate (DEHP) | 0.005 | ND | ND | |
| Dibutyl phthalate (DBP) | 0.005 | ND | ND | |
| Diisobutyl phthalate (DIBP) | 0.005 | ND | ND | |
| Diisodecyl phthalate (DIDP) | 0.01 | ND | ND | sum of three phthalates < 0.1 |
| Diisononyl phthalate (DINP) | 0.01 | ND | ND | |
| Di-n-octyl phthalate (DNOP) | 0.005 | ND | ND | |
| Conclusion | -- | Pass | Pass | -- |

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 lower than limit of quantitation

(3) LOQ = Limit of quantitation

(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.



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Description for Specimen:

| Specimen No. | Specimen Description |
|---------------------|---------------------------------|
| 1 | Black soft plastic stopper |
| 2 | Green soft plastic stopper |
| 3 | White soft plastic stopper |
| 4 | Black plastic lid |
| 5 | Green plastic lid |
| 6 | White plastic lid |
| 7 | Orange soft plastic stopper |
| 8 | Red soft plastic stopper |
| 9 | Blue soft plastic stopper |
| 10 | Orange plastic lid |
| 11 | Red plastic lid |
| 12 | Blue plastic lid |
| 13 | White plastic cup |
| 14 | Transparent soft plastic gasket |



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Photograph of parts tested:





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Remarks:

1. The results shown in this test report refer only to the sample(s) tested;
2. This test report cannot be reproduced, except in full, without prior written permission of the company;
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4. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which Waltek hasn't verified;
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===== End of Report =====

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