

# Test report

T-25446573-11-R1



Overall result Pass

Please refer to the following pages for test result summary and notes.

#### Client information

Client: Mid Ocean Brands B.V.

Address: Unit 711-716, 7/F., Tower A, 83 King Lam

Street, Cheung Sha Wan, Kowloon, Hong Kong



# Sample information

Description: Foldable lightweight polyester hammock

SKU / style #: MO9467

Country of origin: - Labeled age grade: -

Country of distribution: Europe Tested age grade: Over 3 years of age

Material / composition: Nylon,polyester Vendor code: 118518

Quantity submitted: 1 set + a lot parts

# **General information**

Sample receipt date: 29-Jul-2025 Report date: 13-Aug-2025

Testing period: 29-Jul-2025 to 04-Aug-2025,

06-Aug-2025 to 12-Aug-2025

QIMA (Hangzhou) Testing Co., Ltd.

Josemy. Xu

QIMA (Hangzhou) Testing Co., Ltd.

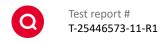
Carina Zhou

Jeremy Xu

Chemical Laboratory Manager

Carina Zhou

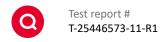
Textile Laboratory Manager



# Result summary

At the request of the client, the following test were conducted:

| Test(s) conducted  | Conclusion |
|--|------------|
| Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials  | Pass       |
| Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials   | Pass       |
| Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates –Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP) | e<br>Pass  |
| Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles   | Pass       |
| Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)  | Pass       |
| Colour Fastness to Rubbing   | Pass       |



# Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No.    | C1+C2             | C3                | C4                | C5                | C6                | Limit   |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| Test Item       | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | (mg/kg) |
| Total Lead (Pb) | ND                | ND                | ND                | ND                | ND                | 500     |
| Conclusion      | Pass              | Pass              | Pass              | Pass              | Pass              |         |

| Specimen No.    | C7                |                   |                   |                   |                   | Limit   |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| Test Item       | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | (mg/kg) |
| Total Lead (Pb) | 80                |                   |                   |                   |                   | 500     |
| Conclusion      | Pass              |                   |                   |                   |                   |         |

Note:

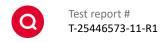
mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

Verify Report



# Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials

Test Method: ASTM F963-23 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No.       | C1+C2             | C3                | C4                | C5                | C6                | Limit   |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| Test Item          | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | (mg/kg) |
| Total Cadmium (Cd) | ND                | ND                | ND                | ND                | ND                | 100     |
| Conclusion         | Pass              | Pass              | Pass              | Pass              | Pass              |         |

| Specimen No.       | C7                |                   |                   |                   |                   | Limit   |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| Test Item          | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | (mg/kg) |
| Total Cadmium (Cd) | ND                |                   |                   |                   |                   | 100     |
| Conclusion         | Pass              |                   |                   |                   |                   |         |

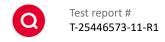
Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 15mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.



# Regulation (EC) No. 1907/2006 REACH Annex XVII as amended, Item 51 and 52 Phthalates – Mouthable (DBP, BBP, DEHP, DIBP, DnOP, DINP, DIDP)

Test Method: CPSC-CH-C1001-09.4

Analytical Method: Gas Chromatography with Mass Spectrometry

| Specimen No.                                      |                          | C7                |                   |                   | Limit   |
|---|--------------------------|-------------------|-------------------|-------------------|---------|
| Test Item   | CAS No.                  | Result<br>(% w/w) | Result<br>(% w/w) | Result<br>(% w/w) | (% w/w) |
| Dibutyl Phthalate (DBP)                           | 84-74-2                  | ND                |                   |                   | 0.1     |
| Benzyl Butyl Phthalate (BBP)                      | 85-68-7                  | ND                |                   |                   | 0.1     |
| Di-(2-Ethylhexyl) Phthalate (DEHP)                | 117-81-7                 | ND                |                   |                   | 0.1     |
| Diisobutyl Phthalate (DIBP)                       | 84-69-5                  | ND                |                   |                   | 0.1     |
| Sum of DBP,                                       | BBP, DEHP, DIBP          | ND                |                   |                   | 0.1     |
| Di-n-Octyl Phthalate (DnOP)                       | 117-84-0                 | ND                |                   |                   |         |
| Diisononyl Phthalate (DINP)                       | 28553-12-0<br>68515-48-0 | ND                |                   |                   |         |
| Diisodecyl Phthalate (DIDP) 26761-40-0 68515-49-1 |                          | ND                |                   |                   |         |
| Sum of D  | ND                       |                   |                   | 0.1               |         |
|   | Conclusion               | Pass              |                   |                   |         |

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)



#### Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 43 Azocolorants in Textiles

Test Method: EN ISO 14362-1:2017, EN ISO 14362-3:2017

Analytical Method: Gas Chromatography with Mass Spectrometry, Liquid Chromatography with Diode Array De-

tection / Liquid Chromatography with Mass Spectrometry

| Specimen N                                | 0.       | C1      | C2      | C3+C4   |         |         |
|---|----------|---------|---------|---------|---------|---------|
| To at the sec                             | CAC N-   | Result  | Result  | Result  | Result  | Limit   |
| Test Item                                 | CAS No.  | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| 4-aminobiphenyl                           | 92-67-1  | ND      | ND      | ND      |         | 30      |
| Benzidine                                 | 92-87-5  | ND      | ND      | ND      |         | 30      |
| 4-chloro-o-toluidine                      | 95-69-2  | ND      | ND      | ND      |         | 30      |
| 2-naphtylamine                            | 91-59-8  | ND      | ND      | ND      |         | 30      |
| o-Aminoazotoluene                         | 97-56-3  | ND      | ND      | ND      |         | 30      |
| 5-nitro-o-toluidine                       | 99-55-8  | ND      | ND      | ND      |         | 30      |
| 4-chloroaniline                           | 106-47-8 | ND      | ND      | ND      |         | 30      |
| 2,4-diaminoanisole                        | 615-05-4 | ND      | ND      | ND      |         | 30      |
| 4,4'-methylenedianiline                   | 101-77-9 | ND      | ND      | ND      |         | 30      |
| 3,3'-dichlorobenzidine                    | 91-94-1  | ND      | ND      | ND      |         | 30      |
| o-dianisidine                             | 119-90-4 | ND      | ND      | ND      |         | 30      |
| 3,3'-dimethylbenzidine                    | 119-93-7 | ND      | ND      | ND      |         | 30      |
| 4,4'-methylenedi-o-tolui-<br>dine         | 838-88-0 | ND      | ND      | ND      |         | 30      |
| p-cresidine                               | 120-71-8 | ND      | ND      | ND      |         | 30      |
| 4,4'-methylene-bis-(2-<br>chloro-aniline) | 101-14-4 | ND      | ND      | ND      |         | 30      |
| 4,4'-oxydianiline                         | 101-80-4 | ND      | ND      | ND      |         | 30      |
| 4,4'-thiodianiline                        | 139-65-1 | ND      | ND      | ND      |         | 30      |
| o-toluidine                               | 95-53-4  | ND      | ND      | ND      |         | 30      |
| 2,4-diaminotoluene                        | 95-80-7  | ND      | ND      | ND      |         | 30      |
| 2,4,5-trimethylaniline                    | 137-17-7 | ND      | ND      | ND      |         | 30      |
| 2-methoxyaniline                          | 90-04-0  | ND      | ND      | ND      |         | 30      |
| 4-aminoazobenzene                         | 60-09-3  | ND      | ND      | ND      |         | 30      |
| Conclusion                                | 1        | Pass    | Pass    | Pass    |         |         |

#### Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

Composite results are based on specimen of least mass resulting in highest potential concentration.

#### Remark:

In the case of levels per amine component less than or equal to 30 mg/kg, according to the analysis as carried out, azo colorants which can release one or more of certain listed amines by cleavage of their azo group/s were not detected in the commodity submitted.





# Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 50 Polycyclic Aromatic Hydrocarbon (PAH)

Test Method: AfPS GS 2019:01

Analytical Method: Gas Chromatography with Mass Spectrometry

| Specimen No.                          |          | C7                |                   |                   |                   | Limit   |
|---------------------------------------|----------|-------------------|-------------------|-------------------|-------------------|---------|
| Test Item                             | CAS No.  | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | Result<br>(mg/kg) | (mg/kg) |
| Benzo [a] pyrene (BaP)                | 50-32-8  | ND                |                   |                   |                   | 1       |
| Benzo [e] pyrene (BeP)                | 192-97-2 | ND                |                   |                   |                   | 1       |
| Benzo [a] anthracene<br>(BaA)         | 56-55-3  | ND                |                   |                   |                   | 1       |
| Chrysene (CHR)                        | 218-01-9 | ND                |                   |                   |                   | 1       |
| Benzo [b] fluroranthene (BbFA)        | 205-99-2 | ND                |                   |                   |                   | 1       |
| Benzo [j] fluroranthene<br>(BjFA)     | 205-82-3 | ND                |                   |                   |                   | 1       |
| Benzo [k] fluroranthene (BkFA)        | 207-08-9 | ND                |                   |                   |                   | 1       |
| Dibenzo [a,h] anthra-<br>cene (DBAhA) | 53-70-3  | ND                |                   |                   |                   | 1       |
| Conclusion                            | 1        | Pass              |                   |                   |                   |         |

Note:

mg/kg = Milligrams per kilogram

LT = Less than

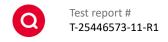
ND = Not detected (Reporting Limit = 0.2 mg/kg)

#### **Colour Fastness to Rubbing**

Test Method: EN ISO 105-X12: 2016, Size of rubbing finger: 16mm dia.

| Specimen No. | T1-Blue body      | T1-Grey body      |                   |                   |                   | Client's    |
|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------|
| Items        | Result<br>(Grade) | Result<br>(Grade) | Result<br>(Grade) | Result<br>(Grade) | Result<br>(Grade) | requirement |
| Dry staining | 4-5               | 4-5               |                   |                   |                   | Min. 2-3    |
| Wet staining | 4-5               | 4-5               |                   |                   |                   | Min. 2-3    |
| Conclusion   | Pass              | Pass              |                   |                   |                   | -           |

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



# Specimen description

| Specimen # | Specimen description | Location                   |
|------------|----------------------|----------------------------|
| C1         | Grey textile         | Main body                  |
| C2         | Blue textile         | Main body                  |
| C3         | Black textile        | Thick rope                 |
| C4         | Black textile        | Thin rope                  |
| C5         | Silvery metal        | Main body of lobster clasp |
| C6         | Silvery metal        | Push rod of lobster clasp  |
| C7         | Black plastic        | Adjustable buckle          |
| T1         | Blue/grey hammock    | Finished product           |

# **Pictures**

# Sample photo:







End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.(https://www.qima.com/conditions-of-service#decisionRule). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.

