

TEST REPORT

Test Report # 22A-004005(A1)(R1) Date of Report Issue: June 2, 2022
Date of Sample Received: May 17, 2022 Pages: Page 1 of 10

CLIENT INFORMATION:

Company: Mid Ocean Brands B.V.
Address: 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong



SAMPLE INFORMATION:

Product Name: Measuring tape with bamboo case
†Style No.: MO6519/MO6520 Labeled Age Grade: -
Order No.(PO No.): - Client Request Age Grade: -
Country of Origin: - Recommended Age Grade: -
Country of Distribution: Europe Tested Age Grade: -
Composition/Main Material: Bamboo,steel
Buyer Name: Mid Ocean Brands B.V.
Supplier Name: 100396
Testing Period: 05/19/2022-06/01/2022

OVERALL RESULT:

PASS

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

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Test(s) marked with 'φ' was subcontracted to external laboratory.

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and 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.

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TEST RESULTS SUMMARY:

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

| CONCLUSION | TEST(S) CONDUCTED |
|------------|--|
| PASS | Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings |
| PASS | 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 Paints and Surface Coatings |
| PASS | Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Substrate Materials |
| PASS | Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release |
| PASS | Client's Requirement, Formaldehyde Release in resin-bonded wood |

Remark: †Revised information and supersedes the previous report no. 22A-004005(A1) date: 06/01/2022



DETAILED RESULTS:

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 63 Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 4 | 7 | --- | --- | --- | Limit (mg/kg) |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | |
| Total Lead (Pb) | ND | ND | --- | --- | --- | 500 |
| Conclusion | PASS | PASS | --- | --- | --- | |

Note:

mg/kg = Milligrams per kilogram

LT = Less than

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



DETAILED RESULTS:

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. | 3 | 5 | 6 | 8+9 | 10 | Limit (mg/kg) |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | |
| Total Lead (Pb) | ND | ND | ND | ND | ND | 500 |
| Conclusion | PASS | PASS | PASS | PASS | PASS | |

| Specimen No. | 11 | --- | --- | --- | --- | Limit (mg/kg) |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | |
| Total Lead (Pb) | ND | --- | --- | --- | --- | 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.



DETAILED RESULTS:

Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 23 Cadmium in Paints and Surface Coatings

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 4 | 7 | --- | --- | --- | Limit (mg/kg) |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | |
| Total Cadmium (Cd) | ND | ND | --- | --- | --- | 1000 |
| Conclusion | PASS | PASS | --- | --- | --- | |

Note:

mg/kg = Milligrams per kilogram

LT = Less than

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



DETAILED RESULTS:

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

Test Method: ASTM F963-17 Clause 8.3.1

Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

| Specimen No. | 3 | --- | --- | --- | --- | Limit (mg/kg) |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Test Item | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (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)



DETAILED RESULTS:**Regulation (EC) No. 1907/2006 REACH Annex XVII, Item 27 Nickel Release**

Test Method: EN 12472:2020&EN 1811:2011+A1:2015¹/ EN 1811:2011+A1:2015²
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Direct and Prolonged Contact with Skin

| Specimen No. | 2 | | | Limit |
|---|---------|---------|---------|-------|
| | Trial 1 | Trial 2 | Trial 3 | |
| Test Item | Result | Result | Result | |
| Size of Tested Sample Area (cm ²) | 1 | 1 | 1 | |
| Volume of Test solution Used (mL) | 1 | 1 | 1 | |
| Nickel result (µg/cm ² /week) ¹ | ND | ND | ND | 0.5* |
| Nickel result (µg/cm ² /week) ² | ND | ND | ND | |
| Conclusion | PASS | | | |

Note:cm² = Square centimetersµg/cm²/week = Micrograms per square centimeter per week

mL = Millilitres

LT = Less than

ND = Not detected (Reporting Limit = 0.1 µg/cm²/week)

*According to EN 1811:2011+A1:2015 Section 9.2.2, the compliance shall be evaluated with the combined measurement uncertainty, an article is:

Pass and permitted to be placed on the market when the nickel release value is less than 0.88 µg/cm²/week;Fail when the nickel release value is greater than or equal to 0.88 µg/cm²/week.

DETAILED RESULTS:

Client's Requirement, Formaldehyde Release in resin-bonded wood

Test Method: EN 717-3:1996

Analytical Method: Ultraviolet-Visible Spectrophotometry

| Specimen No. | 1 | --- | --- | --- | Limit (mg/kg) | |
|-------------------|---------|----------------|----------------|----------------|----------------|-----------|
| Test Item | CAS No. | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | Result (mg/kg) | |
| Formaldehyde | 50-00-0 | ND | --- | --- | --- | 80 |
| Conclusion | PASS | --- | --- | --- | --- | |

Note:

mg/kg = Milligrams per kilogram

NA = Not applicable

LT = Less than

ND = Not detected (Reporting Limit = 16 mg/kg)

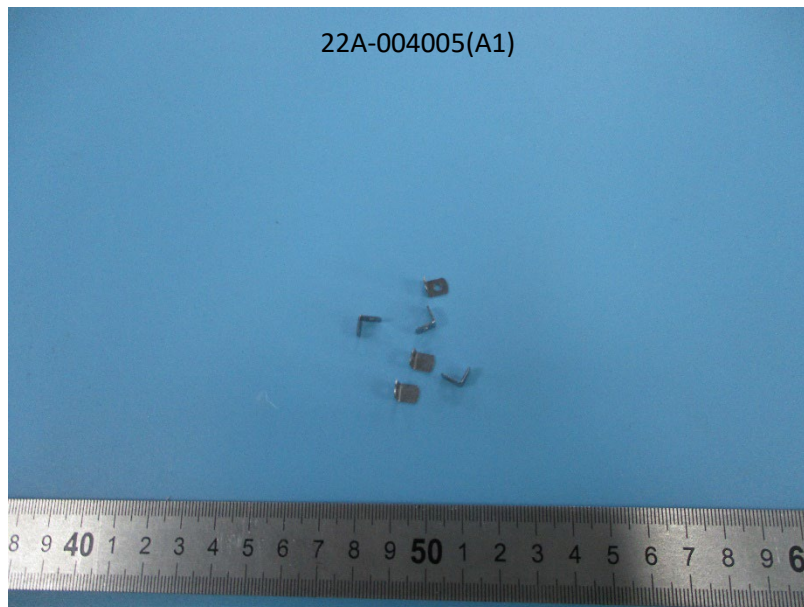


SPECIMEN DESCRIPTION:

| Specimen No. | Specimen Description | Location |
|--------------|----------------------|------------------------------------|
| 1 | Natural bamboo | Shell (all styles) |
| 2 | Silvery metal | Measuring tape head |
| 3 | Black plastic | Rope buckle (square style) |
| 4 | Multi-color coating | Measuring tape (square style) |
| 5 | Silvery metal | Measuring tape (square style) |
| 6 | Silvery metal | Measuring tape (round style) |
| 7 | Multi-color coating | Measuring tape (round style) |
| 8 | Black textile | Thick rope (square style) |
| 9 | Black textile | Thin rope (square style) |
| 10 | Silvery metal | Ring of thin rope (square style) |
| 11 | Silvery metal | Measuring tape head (square style) |



SAMPLE PHOTO:



-End Report-

