



# TEST REPORT

Report No.: STSGZ2211212005E

Date: 30-Nov-2022

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

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

The following sample(s) and sample information was/were submitted and identified by client as:

**Sample Name:** Keyring bottle opener

**Model:** MO6923

**Receiving Date:** 21-Nov-2022

**Test Period:** From 21-Nov-2022 to 29-Nov-2022

**Add Information:** -

## Test Summary:

| # | Test Item(s)   | Reference Standard/Method  | Result |
|---|--|--|--------|
| 1 | Release of Nickel -Item 27 of Annex XVII of REACH Regulation (EC) 1907/2006  | EN 12472:2020+A1:2009&EN 1811:2011+A1: 2015, determined by ICP-OES | PASS   |
| 2 | Total Lead content -Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 | IEC 62321-5:2013, determined by AAS                                | PASS   |

\*\*\*\*\*Please refer to the following page for detailed results\*\*\*\*\*

Signed for and on behalf of STS

Tim Qi  
(Technical Director)



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Guangzhou Depuhua Test Services Co. Ltd.

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## Result:

1. Release of Nickel -Item 27 of Annex XVII of REACH Regulation (EC) 1907/2006  
EN 12472:2005+A1:2009&EN 1811:2011+A1: 2015, determined by ICP-OES

| Compound                       | Material |       |       | Limit<br>( $\mu\text{g}/\text{cm}^2/\text{week}$ ) | RL<br>( $\mu\text{g}/\text{cm}^2/\text{week}$ ) |
|--------------------------------|----------|-------|-------|--|---|
|                                | 1        |       |       |  |   |
|                                | A        | B     | C     |  |   |
| Sample area ( $\text{cm}^2$ )  | 15.22    | 15.22 | 15.22 | -  | -   |
| Volume of Test Solution ( ml ) | 15.22    | 15.22 | 15.22 | -  | -   |
| Result                         | N.D.     | N.D.  | N.D.  | #  | 0.05  |
| Conclusion                     | PASS     |       |       | -  | -   |

| Compound                       | Material |      |      | Limit<br>( $\mu\text{g}/\text{cm}^2/\text{week}$ ) | RL<br>( $\mu\text{g}/\text{cm}^2/\text{week}$ ) |
|--------------------------------|----------|------|------|--|---|
|                                | 2        |      |      |  |   |
|                                | A        | B    | C    |  |   |
| Sample area ( $\text{cm}^2$ )  | 5.69     | 5.69 | 5.69 | -  | -   |
| Volume of Test Solution ( ml ) | 5.69     | 5.69 | 5.69 | -  | -   |
| Result                         | N.D.     | N.D. | N.D. | #  | 0.05  |
| Conclusion                     | PASS     |      |      | -  | -   |

Remark(s): (a)  $\mu\text{g}/\text{cm}^2/\text{week}$ : microgram per square centimeter per week  
(b) RL: Report limit  
(c) N.D.: Not detected (result is less than RL)  
#:  
1. Inserted into pierced parts of the human body Limit:  $0.35\mu\text{g}/\text{cm}^2/\text{week}$   
2. Come into direct and prolonged contact with the skin Limit:  $0.88\mu\text{g}/\text{cm}^2/\text{week}$

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## 2. Total Lead content -Item 63 of Annex XVII of REACH Regulation (EC) 1907/2006 IEC 62321-5:2013, determined by AAS

| Compound |                           | Material    |             | Limit<br>(mg/kg) | RL<br>(mg/kg) |
|----------|---------------------------|-------------|-------------|------------------|---------------|
|          |                           | 1           | 2           |                  |               |
| 1        | Lead(Pb)<br>CAS#7439-92-1 | N.D.        | N.D.        | 500              | 10            |
|          | <b>Conclusion</b>         | <b>PASS</b> | <b>PASS</b> | -                | -             |

Remark(s): (a) mg/kg: milligram per kilogram  
(b) RL: Report limit  
(c) N.D.: Not detected (result is less than RL)

### Material List:

| Material # | Position / Sample Description |
|------------|-------------------------------|
| 1          | Silvery metal,body            |
| 2          | Silvery metal,ring            |

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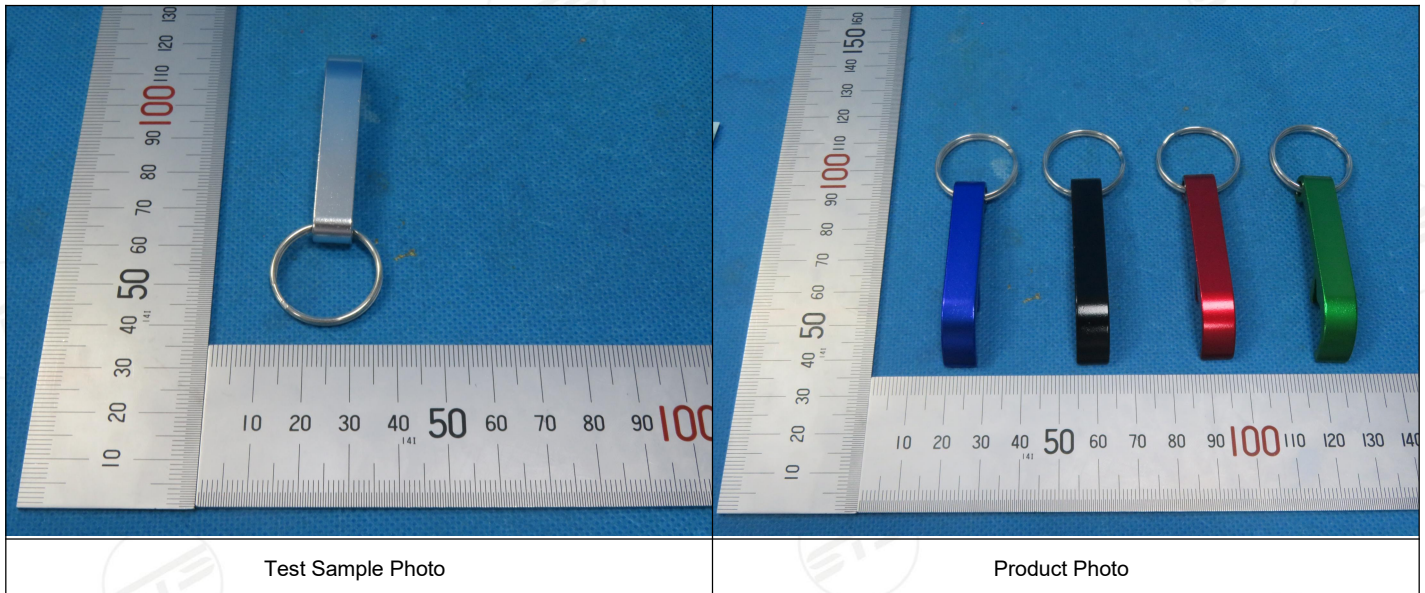
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## Photo(s):



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