



TEST REPORT

Report No. : WTF25F03076592C
Job No. : FSW2503291445CJ
Applicant : Mid Ocean Brands B.V.
Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha
Wan, Kowloon, Hong Kong
Manufacturer : 118897
Sample Name : Apple Find my bicycle bell
Sample Model : MO2601
Test Requested : Refer to next page (s)
Test Method : Refer to next page (s)
Test Conclusion : **Pass** (Please refer to next pages for details)
Date of Receipt sample : 2025-03-29
Testing period : 2025-03-29 to 2025-04-09
Date of Issue : 2025-04-09
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
Waltek Testing Group (Foshan) Co., Ltd.

Swing Liang

Swing.Liang



WTF25F03076592C



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Summary

| Item No. | Test Requested | Test Conclusion |
|----------|--|-----------------|
| 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 | Pass |
| 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 | Pass |
| 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 | Pass |
| 4 | Determination of specified Polycyclic Aromatic Hydrocarbons (PAHs) content in submitted sample in accordance with Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013. | Pass |

Sample photo:



MO2601



MO2601



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

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

| Test Item | LOQ (mg/kg) | Results (mg/kg) | | | Limit (mg/kg) |
|------------|----------------|-----------------|------|------|------------------|
| | | No.1+No.2+No.5 | No.3 | No.4 | |
| Lead(Pb) | 2 | ND* | ND | 84 | 500 |
| Conclusion | -- | Pass | Pass | Pass | -- |

| Test Item | LOQ (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|------------|----------------|-----------------|------|------|------|------------------|
| | | No.6 | No.7 | No.8 | No.9 | |
| Lead(Pb) | 2 | ND | ND | ND | ND | 500 |
| Conclusion | -- | Pass | Pass | Pass | Pass | -- |

| Test Item | LOQ (mg/kg) | Results (mg/kg) | | | | Limit (mg/kg) |
|------------|----------------|-----------------|-------|-------|-------|------------------|
| | | No.10 | No.11 | No.12 | No.13 | |
| Lead(Pb) | 2 | ND | 85 | ND | ND | 500 |
| Conclusion | -- | Pass | Pass | Pass | Pass | -- |

Note:

(1) mg/kg = milligram per kilogram

(2) ND = Not Detected (lower than LOQ)

(3) LOQ = Limit of quantitation

(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.



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2) 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.5 | No.3 |
| Cadmium(Cd) | 2 | ND* | ND |
| Conclusion | -- | Pass | Pass |

| Test Item | LOQ (mg/kg) | Results (mg/kg) | | |
|-------------|----------------|-----------------|-------|-------|
| | | No.11 | No.12 | No.13 |
| Cadmium(Cd) | 2 | ND | ND | ND |
| Conclusion | -- | Pass | 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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3) 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.5 | No.3 | |
| 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.12 | No.13 | |
| 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:

- (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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4) Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AFPS GS 2019:01 PAK method, analysis was performed by Gas Chromatographic Mass Spectrometry (GC-MS).

| Test Items | Unit | Results | | LOQ | Limit |
|---|-------|----------------|------|-----|-------|
| | | No.1+No.2+No.5 | No.3 | | |
| Benzo(a)anthracene (BaA) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Chrysene (CHR) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Benzo[b]fluoranthene (BbFA) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Benzo[k]fluoranthene (BkFA) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Benzo(a)pyrene (BaP) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Dibenzo[a,h]anthracene (DBA _h A) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Benzo[j]fluoranthene (BjFA) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Benzo[e]Pyrene (BeP) | mg/kg | ND* | ND | 0.2 | 1.0 |
| Conclusion | -- | Pass | Pass | -- | -- |

| Test Items | Unit | Results | | LOQ | Limit |
|---|-------|---------|-------|-----|-------|
| | | No.12 | No.13 | | |
| Benzo(a)anthracene (BaA) | mg/kg | ND | ND | 0.2 | 1.0 |
| Chrysene (CHR) | mg/kg | ND | ND | 0.2 | 1.0 |
| Benzo[b]fluoranthene (BbFA) | mg/kg | ND | ND | 0.2 | 1.0 |
| Benzo[k]fluoranthene (BkFA) | mg/kg | ND | ND | 0.2 | 1.0 |
| Benzo(a)pyrene (BaP) | mg/kg | ND | ND | 0.2 | 1.0 |
| Dibenzo[a,h]anthracene (DBA _h A) | mg/kg | ND | ND | 0.2 | 1.0 |
| Benzo[j]fluoranthene (BjFA) | mg/kg | ND | ND | 0.2 | 1.0 |
| Benzo[e]Pyrene (BeP) | mg/kg | ND | ND | 0.2 | 1.0 |
| Conclusion | -- | Pass | Pass | -- | -- |



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Note:

- (1) ND = Not Detected or lower than limit of quantitation
- (2) mg/kg=milligram per kilogram=ppm
- (3) LOQ = Limit of quantitation
- (4) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Articles shall not be placed on the market for supply to the general public, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 1 mg/kg (0,0001 % by weight of this component) of any of the listed PAHs.
- (5) As per Entries 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Regulation (EU) No 1272/2013, Toys, including activity toys, and childcare articles, shall not be placed on the market, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use, contain more than 0,5 mg/kg (0,00005 % by weight of this component) of any of the listed PAHs.
- (6) “*” = Results are calculated by the minimum weight of mixed components.

Description for Specimen:

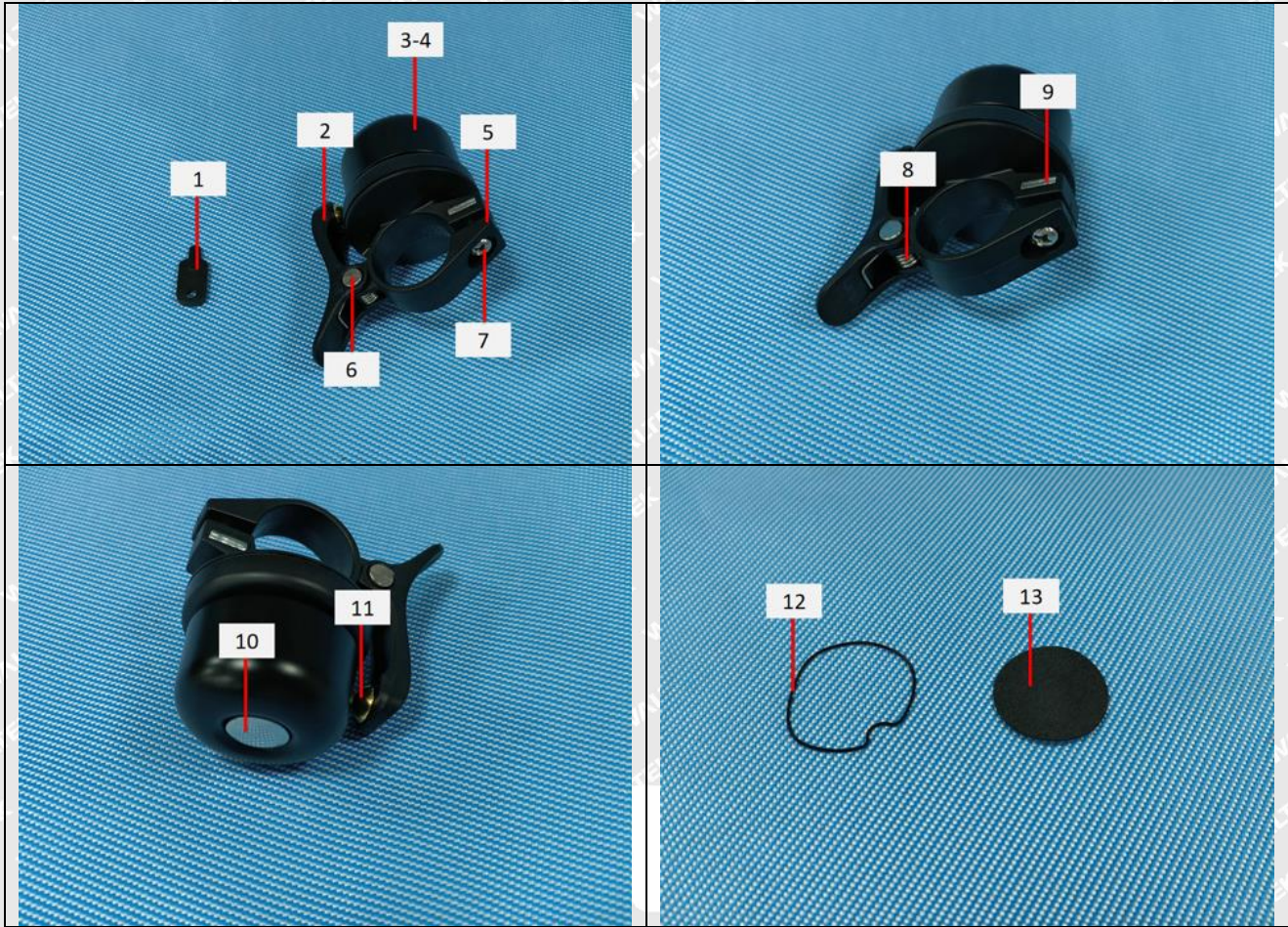
| Specimen No. | Specimen Description |
|--------------|---|
| 1 | Black plastic sheet |
| 2 | Black plastic shell |
| 3 | Black coating |
| 4 | Silvery metal shell without black coating |
| 5 | Black plastic shell |
| 6 | Silvery metal rivet |
| 7 | Silvery metal screw |
| 8 | Silvery metal spring |
| 9 | Silvery metal sheet |
| 10 | Silvery metal rivet |
| 11 | Golden metal part |
| 12 | Black soft plastic ring |
| 13 | Black sponge sheet |



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Photograph of parts tested:





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Remarks:

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2. This test report cannot be reproduced, except in full, without prior written permission of the company;
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===== End of Report =====

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