



中国认可  
国际互认  
检测  
TESTING  
CNAS L6478



# TEST REPORT

**Report No.** ..... : WTF25F07184380C  
**Job No.** ..... : FSW2507110646CJ  
**Applicant** ..... : Mid Ocean Brands B.V.  
**Address** ..... : Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.  
**Manufacturer** ..... : 119880  
**Sample Name** ..... : Phone covers  
**Sample Model** ..... : MPHN19, MPHN20  
**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** ..... : 2025-07-11  
**Testing Period** ..... : 2025-07-11 to 2025-07-17  
**Date of Issue** ..... : 2025-07-17  
**Test Result** ..... : Refer to next page (s)  
**Note** ..... : As specified by client, only test the designated sample.

## Prepared By:

**Waltek Testing Group (Foshan) Co., Ltd.**

Address: No.13-19, 2/F., 2nd Building, Sunlink Machinery City, Xingye 4 Road, Guanglong Industrial Park, Chihua Neighborhood Committee, Chencun, Shunde District, Foshan, Guangdong, China

Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Signed for and on behalf of  
Waltek Testing Group (Foshan) Co., Ltd.

*Swing Liang*



WTF25F07184380C

Swing Liang  
Waltek Testing Group (Foshan) Co., Ltd.  
<http://www.waltek.com.cn>



Report No.: WTF25F07184380C

Job No.: FSW2507110646CJ

### 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            |

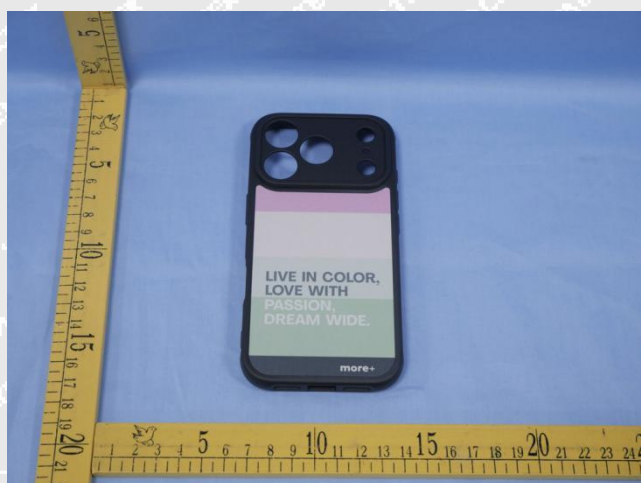
### Sample photo:





Report No.: WTF25F07184380C

Job No.: FSW2507110646CJ



MPHN19



MPHN20



MPHN20



MPHN20



Report No.: WTF25F07184380C

Job No.: FSW2507110646CJ

## Test Results:

### 1) Lead (Pb)

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

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

| Test Item  | LOQ<br>(mg/kg) | Results (mg/kg) | Limit<br>(mg/kg) |
|------------|----------------|-----------------|------------------|
|            |                | No.5            |                  |
| Lead(Pb)   | 2              | ND              | 500              |
| Conclusion | --             | 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) "\*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.



Report No.: WTF25F07184380C

Job No.: FSW2507110646CJ

## 2) Cadmium (Cd)

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

| Test Item   | LOQ<br>(mg/kg) | Results (mg/kg) |
|-------------|----------------|-----------------|
|             |                | No.1+No.2+No.4  |
| Cadmium(Cd) | 2              | ND*             |
| Conclusion  | --             | 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) "\*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.



Report No.: WTF25F07184380C

Job No.: FSW2507110646CJ

### 3) Phthalates

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

| Test Items                              | LOQ<br>(%) | Results<br>(%) | Limit<br>(%)                     |
|-----------------------------------------|------------|----------------|----------------------------------|
|                                         |            | No.1+No.2+No.4 |                                  |
| Benzyl butyl phthalate (BBP)            | 0.005      | ND*            | sum of four<br>phthalates < 0.1  |
| Di (2-ethyl hexyl)- phthalate<br>(DEHP) | 0.005      | 0.015*         |                                  |
| Dibutyl phthalate (DBP)                 | 0.005      | ND*            |                                  |
| Diisobutyl phthalate (DIBP)             | 0.005      | ND*            |                                  |
| Diisodecyl phthalate (DIDP)             | 0.01       | ND*            | sum of three<br>phthalates < 0.1 |
| Diisononyl phthalate (DINP)             | 0.01       | ND*            |                                  |
| Di-n-octyl phthalate (DNOP)             | 0.005      | ND*            |                                  |
| Conclusion                              | --         | 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) "\*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.



Report No.: WTF25F07184380C

Job No.: FSW2507110646CJ

#### 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.4 |     |       |
| Benzo(a)anthracene (BaA)       | mg/kg | ND*            | 0.2 | 1.0   |
| Chrysene (CHR)                 | mg/kg | ND*            | 0.2 | 1.0   |
| Benzo[b]fluoranthene (BbFA)    | mg/kg | ND*            | 0.2 | 1.0   |
| Benzo[k]fluoranthene (BkFA)    | mg/kg | ND*            | 0.2 | 1.0   |
| Benzo(a)pyrene (BaP)           | mg/kg | ND*            | 0.2 | 1.0   |
| Dibenzo[a,h]anthracene (DBAhA) | mg/kg | ND*            | 0.2 | 1.0   |
| Benzo[j]fluoranthene (BjFA)    | mg/kg | ND*            | 0.2 | 1.0   |
| Benzo[e]Pyrene (BeP)           | mg/kg | ND*            | 0.2 | 1.0   |
| Conclusion                     | --    | Pass           | --  | --    |

#### 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) "\*" = As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.



Report No.: WTF25F07184380C

Job No.: FSW2507110646CJ

**Description for Specimen:**

| Specimen ID        | Specimen No. | Specimen Description                         |
|--------------------|--------------|----------------------------------------------|
| FSW2507110646CJ. 1 | 1            | Black soft plastic shell                     |
| FSW2507110646CJ. 2 | 2            | Grey plastic sheet with multicolour printing |
| FSW2507110646CJ. 3 | 3            | Silvery magnet core                          |
| FSW2507110646CJ. 4 | 4            | Black plastic sheet with adhesive            |
| FSW2507110646CJ. 5 | 5            | Silvery metal sheet                          |

**Photograph of parts tested:**



**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;
3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
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;
5. If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.
6. The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

===== End of Report =====