



# TEST REPORT

Report No. : ZKT-2607201211R

Issue Date : Jul. 28, 2026

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Applicant name : Mid Ocean Brands B.V.

Address : Unit 711- 716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.

## Sample Description

Sample name : Smart watch

Trade mark : N/A

Model No. : MO2271

Manufacturer : 118897

Address : Shenzhen, Guangdong

## Test Requested

| No. | Requested                                                                                                                                                                                                                                                                       | Conclusion |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1   | EU RoHS Directive (EU)2015/863 Amending Annex II to Directive 2011/65/EU<br>—Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content<br>—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content | PASS       |

Reviewer by : 

Approved by : 



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**TesSolderg Laboratory** : Shenzhen ZKT Technology Co., Ltd.

**Address** : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, ShenZhen, China.

**Test Report Form No.** : TRF-CL-001\_V0

**Received Date** : Jul. 20, 2026

**TesSolderg Period** : Jul. 20, 2026 to Jul. 28, 2026

## Version

| Report No.      | Issue Date    | Description | Approved |
|-----------------|---------------|-------------|----------|
| ZKT-2607201211R | Jul. 28, 2026 | Original    | Valid    |



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## Test Method:

### 1 XRF Screening

| Test item(s)  | Test Method(s)     | Equipment(s) |
|---------------|--------------------|--------------|
| Lead (Pb)     | IEC 62321-3-1:2026 | EDX LE       |
| Cadmium (Cd)  |                    |              |
| Mercury (Hg)  |                    |              |
| Chromium (Cr) |                    |              |
| Bromine (Br)  |                    |              |

### 2 Chemical TestSolderg

| Test item(s)                                                                                 | Test Method(s)                          | Equipment(s) |
|----------------------------------------------------------------------------------------------|-----------------------------------------|--------------|
| Mercury(Hg)                                                                                  | IEC 62321-4:2013+A1:2017                | ICP-OES      |
| Lead(Pb)                                                                                     | IEC 62321-5:2013                        | ICP-OES      |
| Cadmium(Cd)                                                                                  | IEC 62321-5:2013                        | ICP-OES      |
| PBB                                                                                          | IEC 62321-6:2015 /<br>IEC 62321-12:2023 | GC-MS        |
| PBDE                                                                                         |                                         |              |
| Chromium(Cr VI) for colourless and<br>coloured corrosion-protected<br>coasSoldergs on metals | IEC 62321-7-1:2015                      | UV-Vis       |
| Chromium(Cr VI) for polymers and<br>electronics                                              | IEC 62321-7-2:2017                      | UV-Vis       |
| DEHP                                                                                         | IEC 62321-8:2017 /<br>IEC 62321-12:2023 | GC-MS        |
| DBP                                                                                          |                                         |              |
| BBP                                                                                          |                                         |              |
| DIBP                                                                                         |                                         |              |



# TEST REPORT

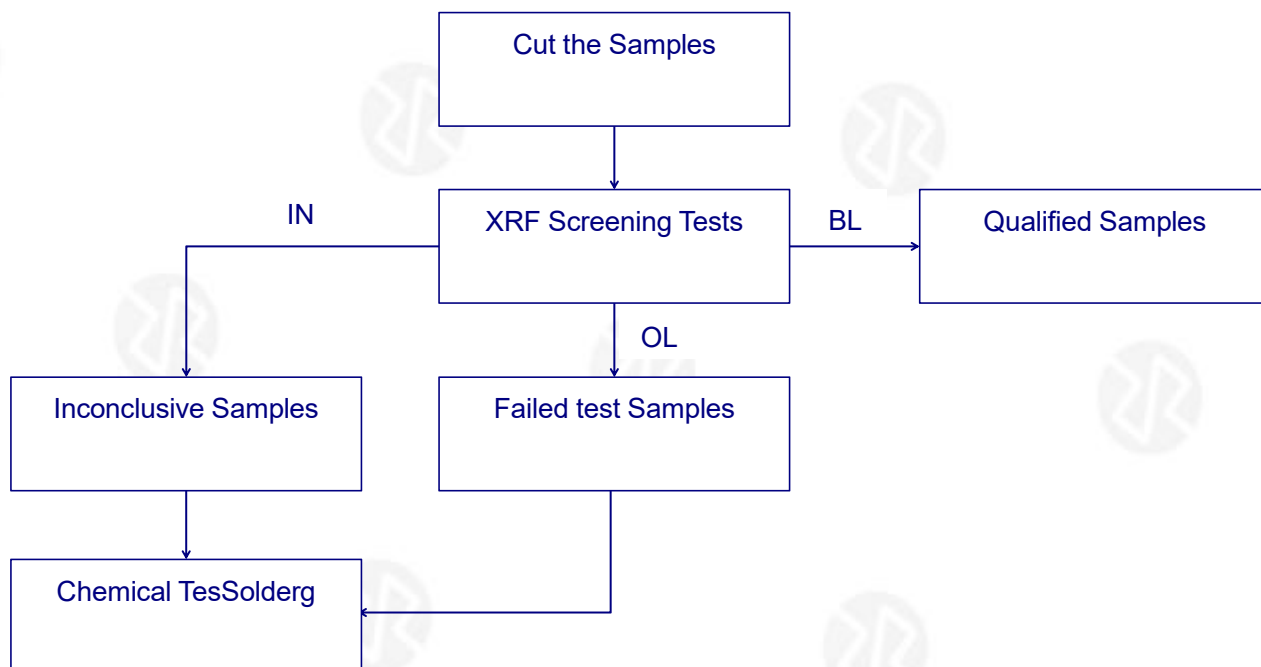
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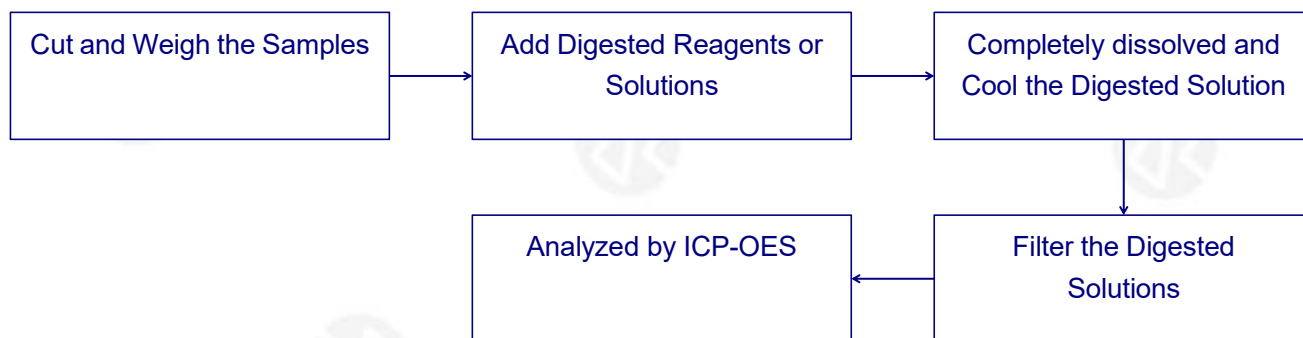
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## Test Flow:

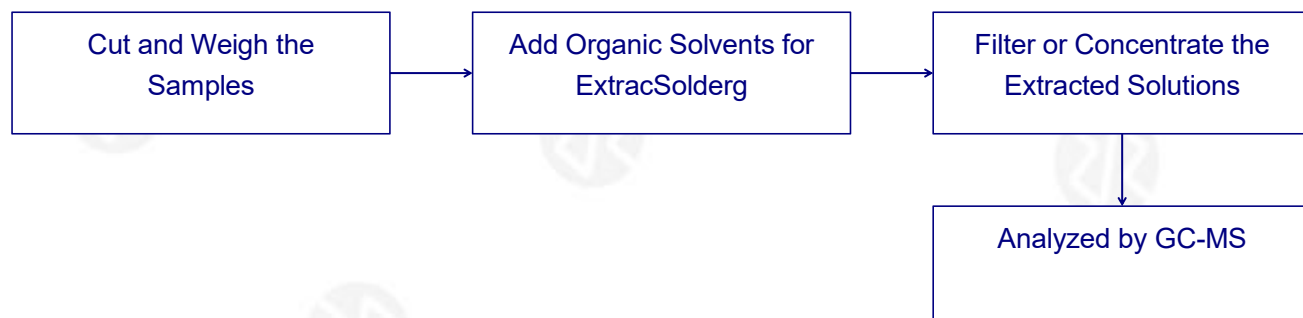
### 1 XRF Screening



### 2 Lead, Cadmium, Mercury



### 3 PBBs & PBDEs, Phthalates





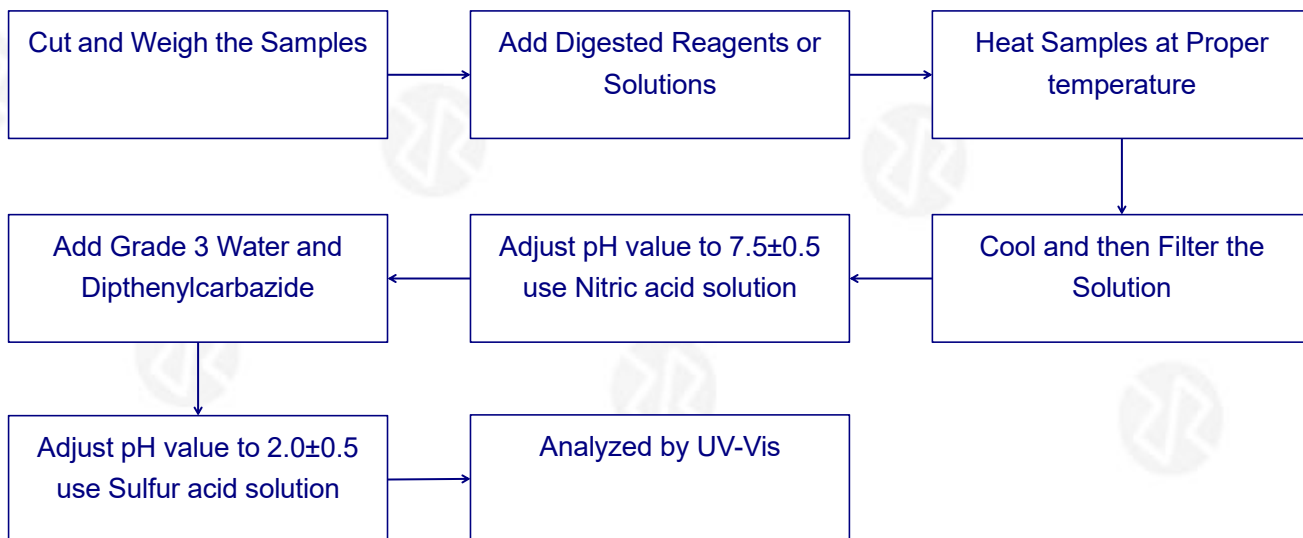
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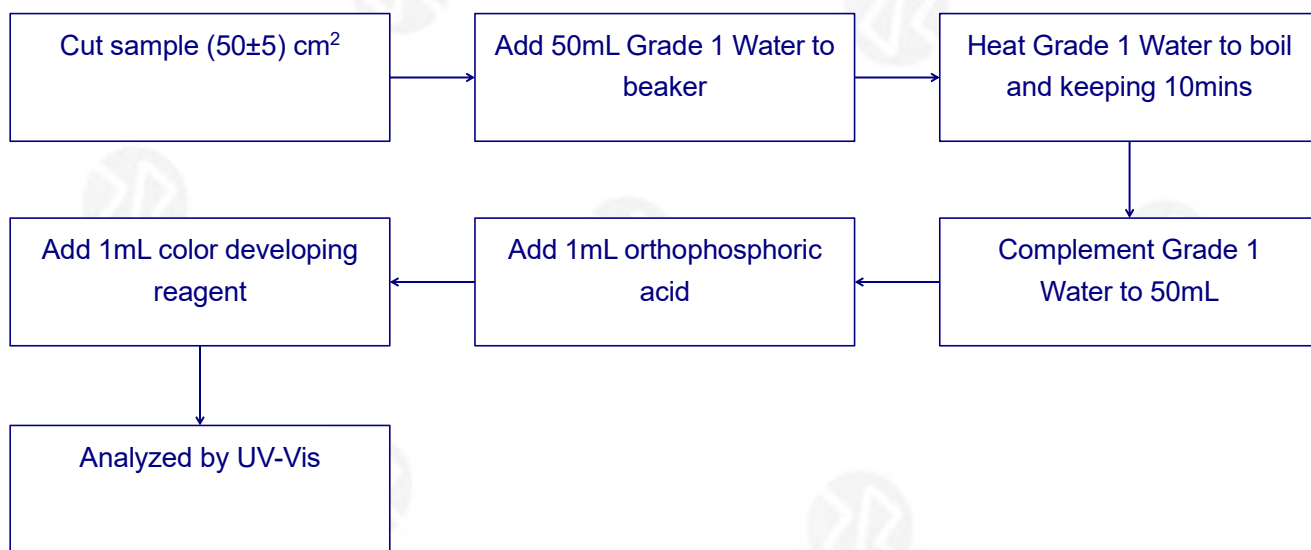
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## 4 Chromium(Cr VI) (Non-metal)



## 5 Chromium(Cr VI) (Metal)





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## Test Results:

| Sample No. | Sample Description | Restricted Substances | XRF TesSolderg | Chemical tesSolderg (mg/ka) | Conclusion |
|------------|--------------------|-----------------------|----------------|-----------------------------|------------|
| 1          | Black soft plastic | Pb                    | BL             | -                           | PASS       |
|            |                    | Cd                    | BL             | -                           |            |
|            |                    | Hg                    | BL             | -                           |            |
|            |                    | Cr(VI)                | BL             | -                           |            |
|            |                    | PBBs                  | BL             | -                           |            |
|            |                    | PBDEs                 | BL             | -                           |            |
|            |                    | DEHP                  | -              | ND                          |            |
|            |                    | BBP                   | -              | ND                          |            |
|            |                    | DBP                   | -              | ND                          |            |
|            |                    | DIBP                  | -              | ND                          |            |
| 2          | Glass              | Pb                    | BL             | -                           | PASS       |
|            |                    | Cd                    | BL             | -                           |            |
|            |                    | Hg                    | BL             | -                           |            |
|            |                    | Cr(VI)                | BL             | -                           |            |
|            |                    | PBBs                  | BL             | -                           |            |
|            |                    | PBDEs                 | BL             | -                           |            |
|            |                    | DEHP                  | -              | ND                          |            |
|            |                    | BBP                   | -              | ND                          |            |
|            |                    | DBP                   | -              | ND                          |            |
|            |                    | DIBP                  | -              | ND                          |            |
| 3          | Silver metal       | Pb                    | BL             | -                           | PASS       |
|            |                    | Cd                    | BL             | -                           |            |
|            |                    | Hg                    | BL             | -                           |            |
|            |                    | Cr(VI)                | BL             | -                           |            |
|            |                    | PBBs                  | NA             | -                           |            |
|            |                    | PBDEs                 | NA             | -                           |            |
|            |                    | DEHP                  | -              | NA                          |            |
|            |                    | BBP                   | -              | NA                          |            |
|            |                    | DBP                   | -              | NA                          |            |
|            |                    | DIBP                  | -              | NA                          |            |



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| Sample No. | Sample Description               | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|----------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 4          | Magnet                           | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |
| 5          | Silver -Grey PlaSolderg On Metal | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |
| 6          | Black coaSolderg                 | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |



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| Sample No. | Sample Description        | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|---------------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 7          | FPC                       | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 8          | Black plastic wire jacket | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 9          | Red plastic wire jacket   | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |



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| Sample No. | Sample Description           | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 10         | Screw                        | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |
| 11         | Cylindrical Lithium-Ion Cell | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 12         | PCB                          | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |



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| Sample No. | Sample Description | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|--------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 13         | Solder (PCB)       | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |
| 14         | IC                 | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 15         | SMD Capacitor      | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |



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| Sample No. | Sample Description | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|--------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 16         | SMD Resistor       | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 17         | SMD Transistor     | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 18         | Crystal Oscillator | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |



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| Sample No. | Sample Description | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|--------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 19         | Golden metal       | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |
| 20         | Black paper        | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 21         | Solder (Accessory) | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |



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| Sample No. | Sample Description                    | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|---------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 22         | Black plastic wire jacket (Accessory) | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 23         | Red plastic wire jacket (Accessory)   | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 24         | Solder (Battery)                      | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |



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| Sample No. | Sample Description                  | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|-------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 25         | Black plastic wire jacket (Battery) | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 26         | Red plastic wire jacket (Battery)   | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 27         | Black plastic wire jacket (Cable)   | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |



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| Sample No. | Sample Description         | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|----------------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 28         | White plastic (Cable)      | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 29         | Black soft plastic (Cable) | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>BL<br>BL<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>ND<br>ND<br>ND<br>ND | PASS       |
| 30         | Magnet (Cable)             | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |



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| Sample No. | Sample Description                       | Restricted Substances                                                   | XRF TesSolderg                                       | Chemical tesSolderg (ma/ka)                        | Conclusion |
|------------|------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------|
| 31         | Silver -Grey PlaSolderg On Metal (Cable) | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |
| 32         | Solder (Cable)                           | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |
| 33         | Copper wire (Cable)                      | Pb<br>Cd<br>Hg<br>Cr(VI)<br>PBBs<br>PBDEs<br>DEHP<br>BBP<br>DBP<br>DIBP | BL<br>BL<br>BL<br>BL<br>NA<br>NA<br>-<br>-<br>-<br>- | -<br>-<br>-<br>-<br>-<br>-<br>NA<br>NA<br>NA<br>NA | PASS       |



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## Notes:

1 Interpretation of screening results by X-ray fluorescence spectrometry (XRF)

1.1 XRF screening limits for different materials: According to IEC62321-3-1:2026.

| Materials          | Concentration (mg/kg)                              |                             |                                                      |                                                      |                             |
|--------------------|----------------------------------------------------|-----------------------------|------------------------------------------------------|------------------------------------------------------|-----------------------------|
|                    | Cd                                                 | Cr                          | Pb                                                   | Hg                                                   | Br                          |
| Metals             | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | NA                          |
| Polymers           | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (300-3\sigma) < X$ |
| Composite material | $BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ | $BL \leq (250-3\sigma) < X$ |

(a) "OL" = "over limit".

(b) "BL" = "below limit".

(c) "X" = "Inconclusive", result is intermediate between "OL" and "BL".

(d) "NA" = "Not Applicable".

1.2 For regulated substances [polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs)], the results showed the total Br content, while for regulated substance Cr(VI), the results showed the total Cr content. If the quantitative results for the elements Br and/or Cr are higher than the limit (for Br calculated based on the stoichiometry of Br in the most common congeners of PBB/PBDE), the sample is "inconclusive".

1.3 Where further investigation is necessary, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBB/PBDE) are recommended to be performed.

## 2 Interpretation of results by chemical tests.

2.1 mg/kg = milligram per kilogram = ppm = 0.0001%

2.2 "NA" = "Not Applicable".

2.3 "ND" = "Not Detected" (<MDL).

2.4 "LOD" = Limit of Detection

2.5 MDL & LOD in wet chemical testing.

| Item  | Cr(VI)             | Pb    | Cd  | Hg   | PBB  | PBDE | DEHP | BBP  | DBP  | DIBP |
|-------|--------------------|-------|-----|------|------|------|------|------|------|------|
| Units | μg/cm <sup>2</sup> | mg/kg |     |      |      |      |      |      |      |      |
| MDL   | 0.10               | 5     | 10  | 5    | 10   | 25   | 25   | 50   | 50   | 50   |
| LOD   | 1000               | 1000  | 100 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

2.6 Boiling-water-extraction: According to IEC 62321-7-1:2015, determined of Cr(VI) on metal sample by boiling water extraction test method, and result is shown as Positive/Negative.

(a) Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10 μg with 1 cm<sup>2</sup> sample surface area.

(b) Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than 0.13 μg with 1 cm<sup>2</sup> sample surface area.

(c) Information on storage conditions and production date of the tested sample is unavailable and thus



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Cr(VI) results represent status of the sample at the time of tesSolderg.

2.7 "DBP" = Dibutyl phthalate, "BBP" = Benzyl butyl phthalate, "DEHP" = Bis(2-ethylhexyl)-phthalate, "DIBP" = Diisobutyl phthalate .

3 Requirement as per EU RoHS Directive 2011/65/EU.

| Test Item(s)                           | Limits Requirement |
|----------------------------------------|--------------------|
| Cadmium (Cd)                           | 0.01% (100 mg/kg)  |
| Lead (Pb)                              | 0.1% (1000 mg/kg)  |
| Mercury (Hg)                           | 0.1% (1000 mg/kg)  |
| Chromium (VI) (Cr(VI))                 | 0.1% (1000 mg/kg)  |
| Polybrominated Biphenyls (PBBs)        | 0.1%(1000 mg/kg)   |
| Polybrominated Diphenyl Ethers (PBDEs) | 0.1% (1000 mg/kg)  |
| DEHP                                   | 0.1% (1000 mg/kg)  |
| BBP                                    | 0.1% (1000 mg/kg)  |
| DBP                                    | 0.1% (1000 mg/kg)  |
| DIBP                                   | 0.1% (1000 mg/kg)  |

4 As specified by client, only test the designated sample.



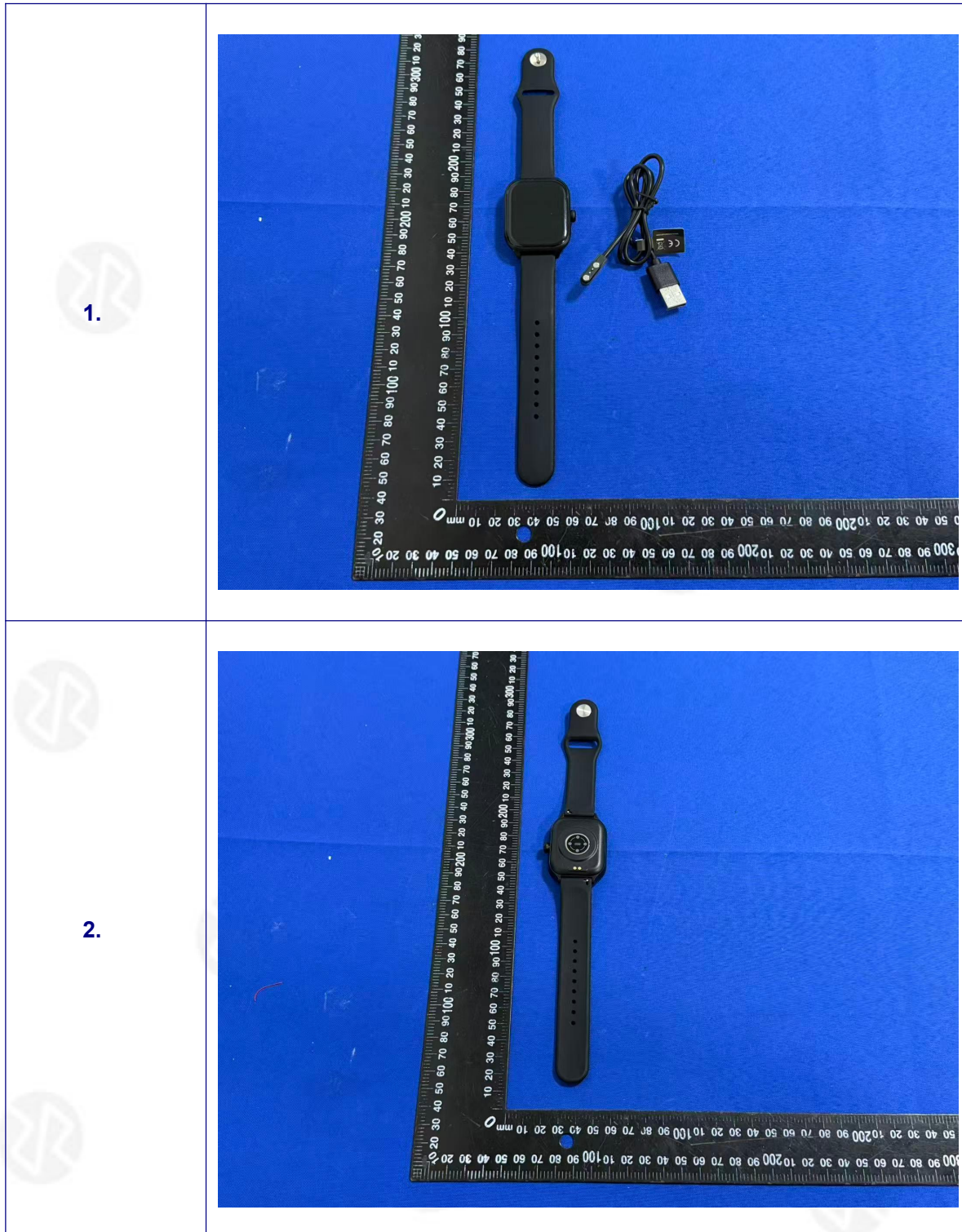
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## Submitted Sample Photo





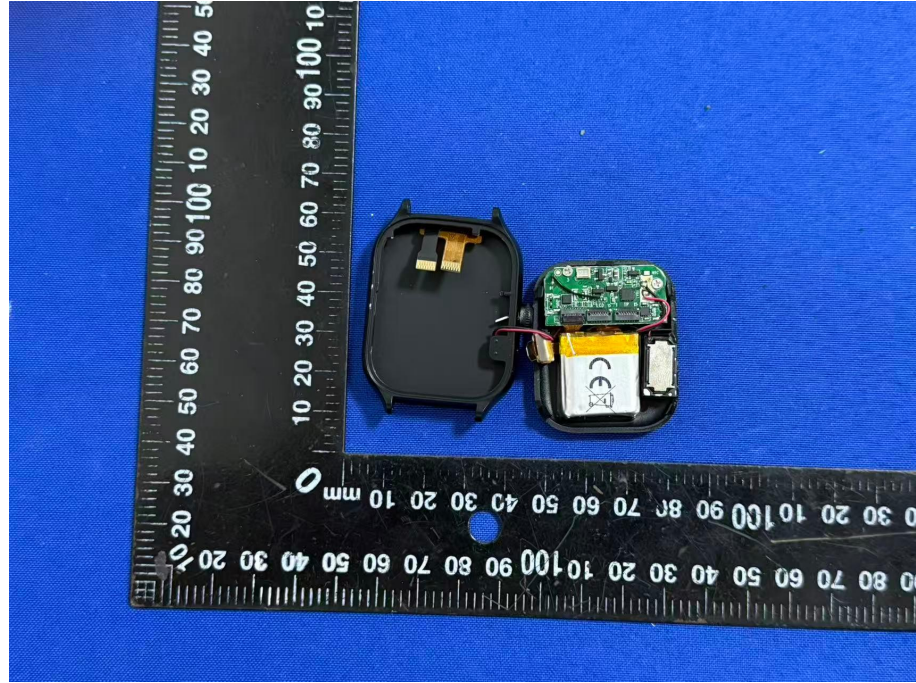
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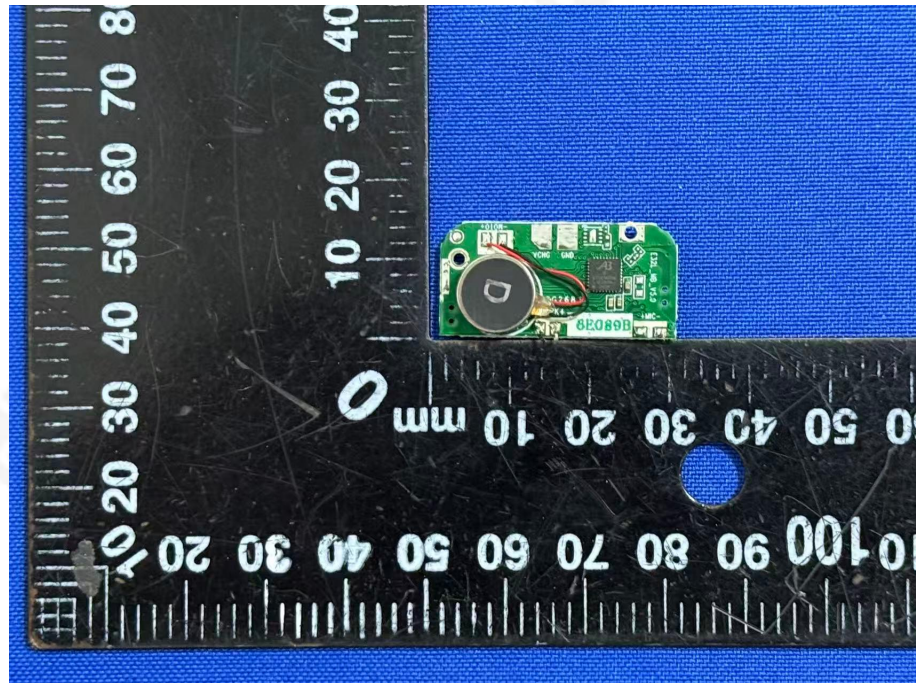
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3.



4.





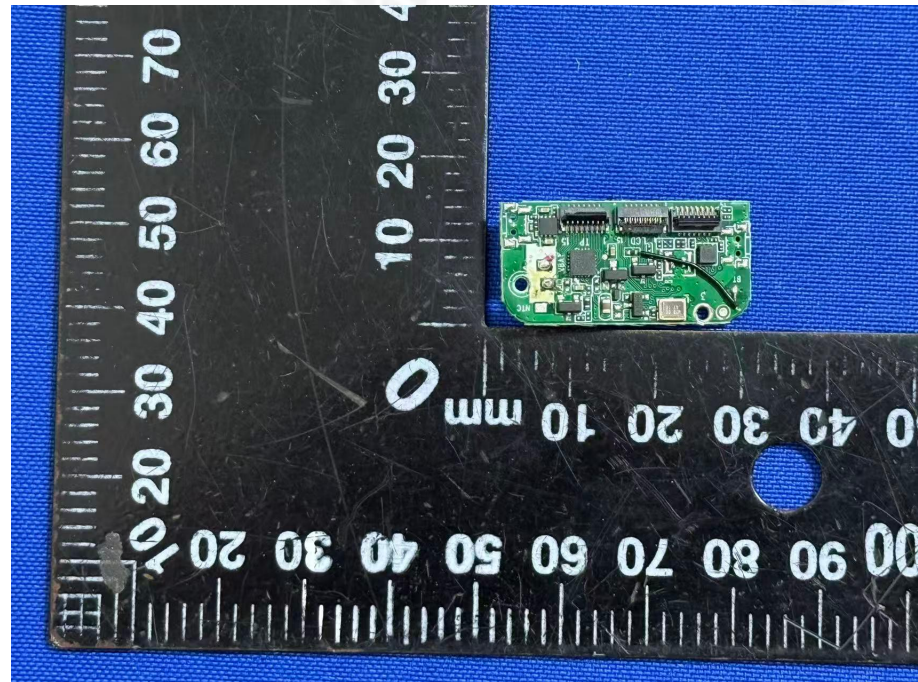
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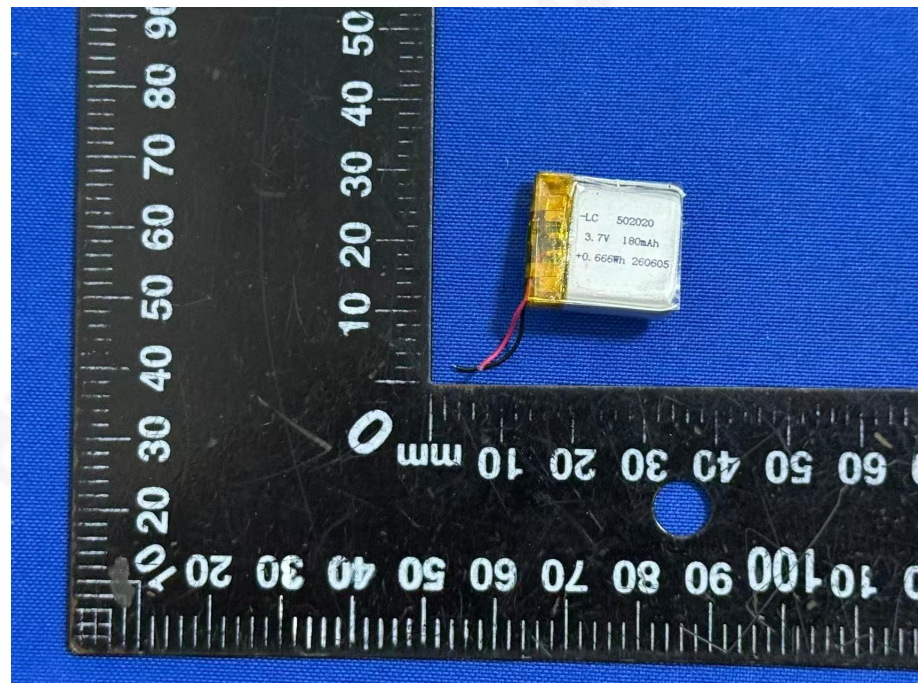
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5.



6.





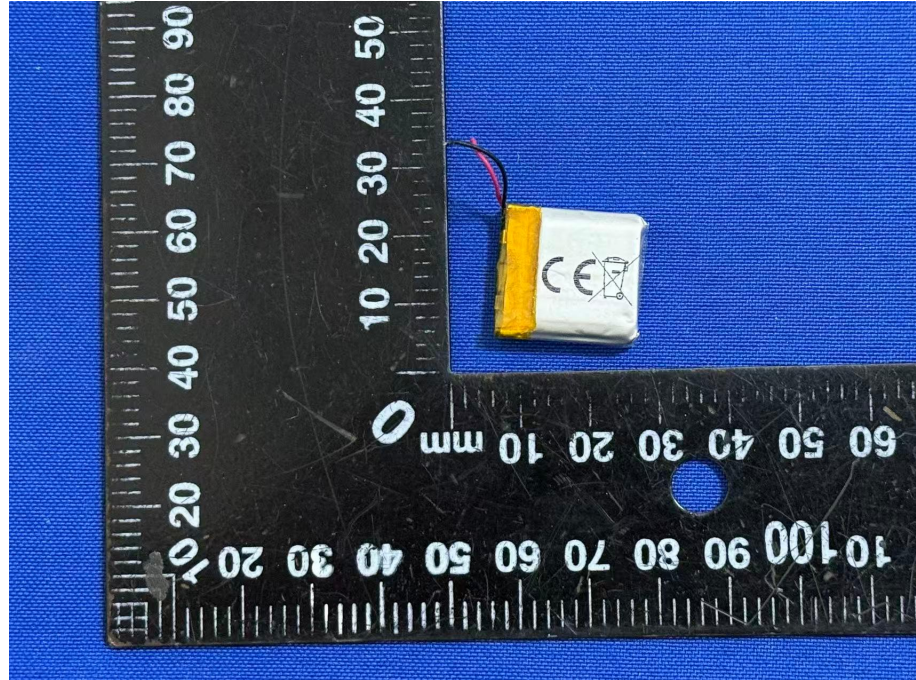
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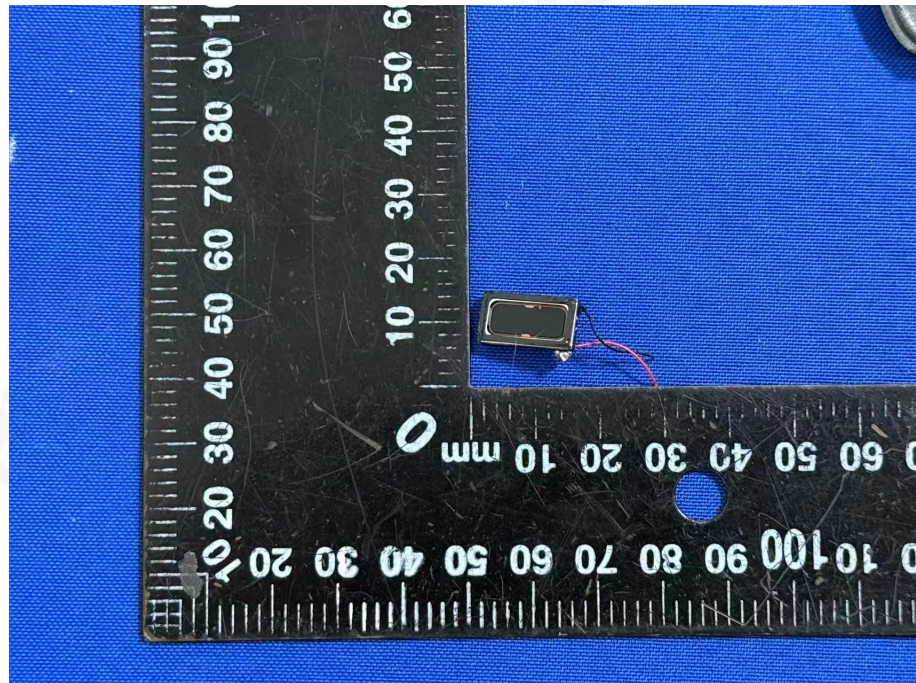
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7.



8.





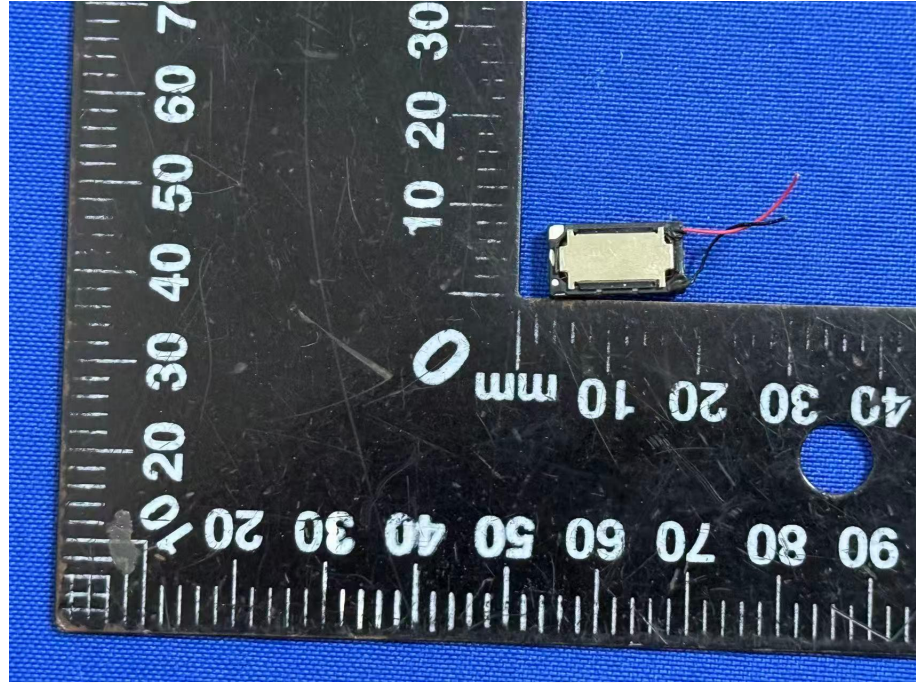
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9.



\*\*\*\*\* END OF REPORT\*\*\*\*\*



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## Statement

1. The information as listed on the first page of this test report was all provided by the client except the received date, tesSolderg period, test result(s) and test request. The client shall be responsible for the representativeness of sample and authenticity of materials, for which Shenzhen ZKT Technology Co., Ltd. shall bear no responsibilities.
2. The test report is effective only with both signature and specialized stamp. Without written approval of Shenzhen ZKT Technology Co., Ltd., this report can't be reproduced in full or in part.
3. This test data is only responsible for the tested sample. Shenzhen ZKT Technology Co., Ltd. is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulSolderg from the use of the test and all legal consequences.
4. If there is any objection to the report, client shall lodge a complaint with the company on the 30 working days from the date of receipt of the report. No late application will be accepted.