



# Test Report

|                           |  |
|---------------------------|--|
| <b>Applicant name:</b>    | Enxun Digital Technology (Shenzhen) Co., Ltd                             |
| <b>Applicant address:</b> | 7/F, Longbi Industrial City, Bantian Street, Longgang District, Shenzhen |

## Sample information:

|                              |  |
|------------------------------|--|
| <b>Sample Name:</b>          | Smart doorbell   |
| <b>Sample Model:</b>         | ED-300P, ED-300PA, ED-300PB, ED-300PC, ED-300PD, ED-300PE, ED-300PF, ED-300PG, ED-300PH, ED-500P, ED-500PA, ED-500PB, ED-500PC, ED-500PD, ED-500PE, ED-500PF, ED-500PG, ED-500PH |
| <b>Trade mark :</b>          | N/A  |
| <b>Manufacturer:</b>         | Enxun Digital Technology (Shenzhen) Co., Ltd<br>7/F, Longbi Industrial City, Bantian Street, Longgang District, Shenzhen   |
| <b>Sample Received Date:</b> | Nov.17, 2023   |
| <b>Testing Period:</b>       | Nov.17, 2023~Nov. 23, 2023   |

**Test Requested** As specified by client, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DEHP, BBP, DBP & DIBP content in the submitted sample compliance with RoHS directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102.

## Test Method:

| Tested Item(s)                         | Test Method                              | Measured Equipment(s) | MDL     |
|--|--|-----------------------|---------|
| Lead(Pb)                               | IEC 62321-5:2013                         | ICP-OES               | 2mg/kg  |
| Cadmium(Cd)                            | IEC 62321-5:2013                         | ICP-OES               | 2mg/kg  |
| Mercury(Hg)                            | IEC 62321-4:2013+A1:2017                 | ICP-OES               | 2mg/kg  |
| Hexavalent Chromium(Cr(VI))            | IEC 62321-7-1:2015<br>IEC 62321-7-2:2017 | UV-VIS                | 2mg/kg  |
| Polybrominated Biphenyls (PBBs)        | IEC 62321-6:2015                         | GC-MS                 | 5mg/kg  |
| Polybrominated Diphenyl Ethers (PBDEs) | IEC 62321-6:2015                         | GC-MS                 | 5mg/kg  |
| Di-(2-ethylhexyl) phthalate(DEHP)      | IEC 62321-8:2017                         | GC-MS                 | 50mg/kg |
| Benzylbutyl phthalate(BBP)             | IEC 62321-8:2017                         | GC-MS                 | 50mg/kg |
| Dibutyl phthalate (DBP)                | IEC 62321-8:2017                         | GC-MS                 | 50mg/kg |
| Diisobutyl phthalate(DIBP)             | IEC 62321-8:2017                         | GC-MS                 | 50mg/kg |

**Test Result(s)** Please refer to the following page(s).

Test by : Heber He

Inspected by : Mary 2024

Approved by : Kevin Yang  
Technical Manager

Date : Nov. 23, 2023



# Test Report

## Test Result:

| No. | Part Name    | Restricted Substances | Limit (mg/kg) | Test Results |
|-----|--------------|-----------------------|---------------|--------------|
| 01  | USB line     | Pb                    | 1000          | N.D.         |
|     |              | Cd                    | 100           | N.D.         |
|     |              | Hg                    | 1000          | N.D.         |
|     |              | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |              | PBBs                  | 1000          | N.D.         |
|     |              | PBDEs                 | 1000          | N.D.         |
|     |              | DEHP                  | 1000          | N.D.         |
|     |              | BBP                   | 1000          | N.D.         |
|     |              | DBP                   | 1000          | N.D.         |
|     |              | DIBP                  | 1000          | N.D.         |
| 02  | Plastic case | Pb                    | 1000          | N.D.         |
|     |              | Cd                    | 100           | N.D.         |
|     |              | Hg                    | 1000          | N.D.         |
|     |              | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |              | PBBs                  | 1000          | N.D.         |
|     |              | PBDEs                 | 1000          | N.D.         |
|     |              | DEHP                  | 1000          | N.D.         |
|     |              | BBP                   | 1000          | N.D.         |
|     |              | DBP                   | 1000          | N.D.         |
|     |              | DIBP                  | 1000          | N.D.         |
| 03  | Bracket      | Pb                    | 1000          | N.D.         |
|     |              | Cd                    | 100           | N.D.         |
|     |              | Hg                    | 1000          | N.D.         |
|     |              | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |              | PBBs                  | 1000          | N.D.         |
|     |              | PBDEs                 | 1000          | N.D.         |
|     |              | DEHP                  | 1000          | N.D.         |
|     |              | BBP                   | 1000          | N.D.         |
|     |              | DBP                   | 1000          | N.D.         |
|     |              | DIBP                  | 1000          | N.D.         |
| 04  | Screw        | Pb                    | 1000          | N.D.         |
|     |              | Cd                    | 100           | N.D.         |
|     |              | Hg                    | 1000          | N.D.         |
|     |              | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |              | PBBs                  | 1000          | -            |
|     |              | PBDEs                 | 1000          | -            |
|     |              | DEHP                  | 1000          | -            |
|     |              | BBP                   | 1000          | -            |
|     |              | DBP                   | 1000          | -            |
|     |              | DIBP                  | 1000          | -            |



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| No. | Part Name     | Restricted Substances | Limit (mg/kg) | Test Results |
|-----|---------------|-----------------------|---------------|--------------|
| 05  | Lens          | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 06  | LCD display   | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 07  | Switch button | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 08  | Slide switch  | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |



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| No. | Part Name     | Restricted Substances | Limit (mg/kg) | Test Results |
|-----|---------------|-----------------------|---------------|--------------|
| 09  | SD card slot  | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | -            |
|     |               | PBDEs                 | 1000          | -            |
|     |               | DEHP                  | 1000          | -            |
|     |               | BBP                   | 1000          | -            |
|     |               | DBP                   | 1000          | -            |
|     |               | DIBP                  | 1000          | -            |
| 10  | USB connector | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 11  | Speaker       | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 12  | Battery       | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |



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| No. | Part Name  | Restricted Substances | Limit (mg/kg) | Test Results |
|-----|------------|-----------------------|---------------|--------------|
| 13  | Antenna    | Pb                    | 1000          | N.D.         |
|     |            | Cd                    | 100           | N.D.         |
|     |            | Hg                    | 1000          | N.D.         |
|     |            | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |            | PBBs                  | 1000          | N.D.         |
|     |            | PBDEs                 | 1000          | N.D.         |
|     |            | DEHP                  | 1000          | N.D.         |
|     |            | BBP                   | 1000          | N.D.         |
|     |            | DBP                   | 1000          | N.D.         |
|     |            | DIBP                  | 1000          | N.D.         |
| 14  | IC         | Pb                    | 1000          | N.D.         |
|     |            | Cd                    | 100           | N.D.         |
|     |            | Hg                    | 1000          | N.D.         |
|     |            | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |            | PBBs                  | 1000          | N.D.         |
|     |            | PBDEs                 | 1000          | N.D.         |
|     |            | DEHP                  | 1000          | N.D.         |
|     |            | BBP                   | 1000          | N.D.         |
|     |            | DBP                   | 1000          | N.D.         |
|     |            | DIBP                  | 1000          | N.D.         |
| 15  | FPC        | Pb                    | 1000          | N.D.         |
|     |            | Cd                    | 100           | N.D.         |
|     |            | Hg                    | 1000          | N.D.         |
|     |            | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |            | PBBs                  | 1000          | N.D.         |
|     |            | PBDEs                 | 1000          | N.D.         |
|     |            | DEHP                  | 1000          | N.D.         |
|     |            | BBP                   | 1000          | N.D.         |
|     |            | DBP                   | 1000          | N.D.         |
|     |            | DIBP                  | 1000          | N.D.         |
| 16  | SMT switch | Pb                    | 1000          | N.D.         |
|     |            | Cd                    | 100           | N.D.         |
|     |            | Hg                    | 1000          | N.D.         |
|     |            | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |            | PBBs                  | 1000          | N.D.         |
|     |            | PBDEs                 | 1000          | N.D.         |
|     |            | DEHP                  | 1000          | N.D.         |
|     |            | BBP                   | 1000          | N.D.         |
|     |            | DBP                   | 1000          | N.D.         |
|     |            | DIBP                  | 1000          | N.D.         |



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| No. | Part Name     | Restricted Substances | Limit (mg/kg) | Test Results |
|-----|---------------|-----------------------|---------------|--------------|
| 17  | SMT crystal   | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 18  | Chip inductor | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 19  | SMT triode    | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |
| 20  | SMT connector | Pb                    | 1000          | N.D.         |
|     |               | Cd                    | 100           | N.D.         |
|     |               | Hg                    | 1000          | N.D.         |
|     |               | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |               | PBBs                  | 1000          | N.D.         |
|     |               | PBDEs                 | 1000          | N.D.         |
|     |               | DEHP                  | 1000          | N.D.         |
|     |               | BBP                   | 1000          | N.D.         |
|     |               | DBP                   | 1000          | N.D.         |
|     |               | DIBP                  | 1000          | N.D.         |



# Test Report

| No. | Part Name      | Restricted Substances | Limit (mg/kg) | Test Results |
|-----|----------------|-----------------------|---------------|--------------|
| 21  | Chip resistor  | Pb                    | 1000          | N.D.         |
|     |                | Cd                    | 100           | N.D.         |
|     |                | Hg                    | 1000          | N.D.         |
|     |                | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |                | PBBs                  | 1000          | N.D.         |
|     |                | PBDEs                 | 1000          | N.D.         |
|     |                | DEHP                  | 1000          | N.D.         |
|     |                | BBP                   | 1000          | N.D.         |
|     |                | DBP                   | 1000          | N.D.         |
|     |                | DIBP                  | 1000          | N.D.         |
| 22  | Chip capacitor | Pb                    | 1000          | N.D.         |
|     |                | Cd                    | 100           | N.D.         |
|     |                | Hg                    | 1000          | N.D.         |
|     |                | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |                | PBBs                  | 1000          | N.D.         |
|     |                | PBDEs                 | 1000          | N.D.         |
|     |                | DEHP                  | 1000          | N.D.         |
|     |                | BBP                   | 1000          | N.D.         |
|     |                | DBP                   | 1000          | N.D.         |
|     |                | DIBP                  | 1000          | N.D.         |
| 23  | PCB            | Pb                    | 1000          | N.D.         |
|     |                | Cd                    | 100           | N.D.         |
|     |                | Hg                    | 1000          | N.D.         |
|     |                | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |                | PBBs                  | 1000          | N.D.         |
|     |                | PBDEs                 | 1000          | N.D.         |
|     |                | DEHP                  | 1000          | N.D.         |
|     |                | BBP                   | 1000          | N.D.         |
|     |                | DBP                   | 1000          | N.D.         |
|     |                | DIBP                  | 1000          | N.D.         |
| 24  | LED            | Pb                    | 1000          | N.D.         |
|     |                | Cd                    | 100           | N.D.         |
|     |                | Hg                    | 1000          | N.D.         |
|     |                | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |                | PBBs                  | 1000          | N.D.         |
|     |                | PBDEs                 | 1000          | N.D.         |
|     |                | DEHP                  | 1000          | N.D.         |
|     |                | BBP                   | 1000          | N.D.         |
|     |                | DBP                   | 1000          | N.D.         |
|     |                | DIBP                  | 1000          | N.D.         |



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| No. | Part Name   | Restricted Substances | Limit (mg/kg) | Test Results |
|-----|-------------|-----------------------|---------------|--------------|
| 25  | Camera      | Pb                    | 1000          | N.D.         |
|     |             | Cd                    | 100           | N.D.         |
|     |             | Hg                    | 1000          | N.D.         |
|     |             | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |             | PBBs                  | 1000          | N.D.         |
|     |             | PBDEs                 | 1000          | N.D.         |
|     |             | DEHP                  | 1000          | N.D.         |
|     |             | BBP                   | 1000          | N.D.         |
|     |             | DBP                   | 1000          | N.D.         |
|     |             | DIBP                  | 1000          | N.D.         |
| 26  | Sensor      | Pb                    | 1000          | N.D.         |
|     |             | Cd                    | 100           | N.D.         |
|     |             | Hg                    | 1000          | N.D.         |
|     |             | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |             | PBBs                  | 1000          | N.D.         |
|     |             | PBDEs                 | 1000          | N.D.         |
|     |             | DEHP                  | 1000          | N.D.         |
|     |             | BBP                   | 1000          | N.D.         |
|     |             | DBP                   | 1000          | N.D.         |
|     |             | DIBP                  | 1000          | N.D.         |
| 27  | MIC         | Pb                    | 1000          | N.D.         |
|     |             | Cd                    | 100           | N.D.         |
|     |             | Hg                    | 1000          | N.D.         |
|     |             | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |             | PBBs                  | 1000          | N.D.         |
|     |             | PBDEs                 | 1000          | N.D.         |
|     |             | DEHP                  | 1000          | N.D.         |
|     |             | BBP                   | 1000          | N.D.         |
|     |             | DBP                   | 1000          | N.D.         |
|     |             | DIBP                  | 1000          | N.D.         |
| 28  | Metal cover | Pb                    | 1000          | N.D.         |
|     |             | Cd                    | 100           | N.D.         |
|     |             | Hg                    | 1000          | N.D.         |
|     |             | Cr <sup>6+</sup>      | 1000          | N.D.         |
|     |             | PBBs                  | 1000          | -            |
|     |             | PBDEs                 | 1000          | -            |
|     |             | DEHP                  | 1000          | -            |
|     |             | BBP                   | 1000          | -            |
|     |             | DBP                   | 1000          | -            |
|     |             | DIBP                  | 1000          | -            |





# Test Report

Note:

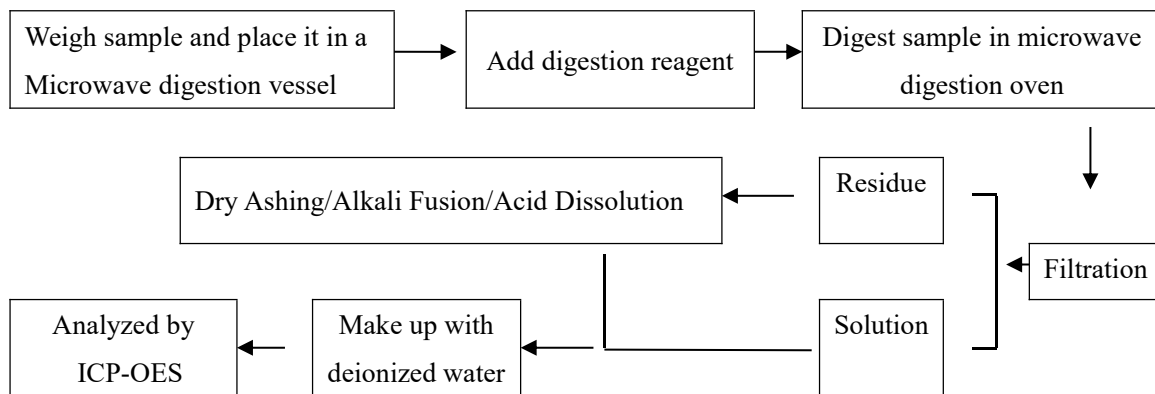
N.D. =Not Detected(<MDL)

mg/kg = ppm =parts per million

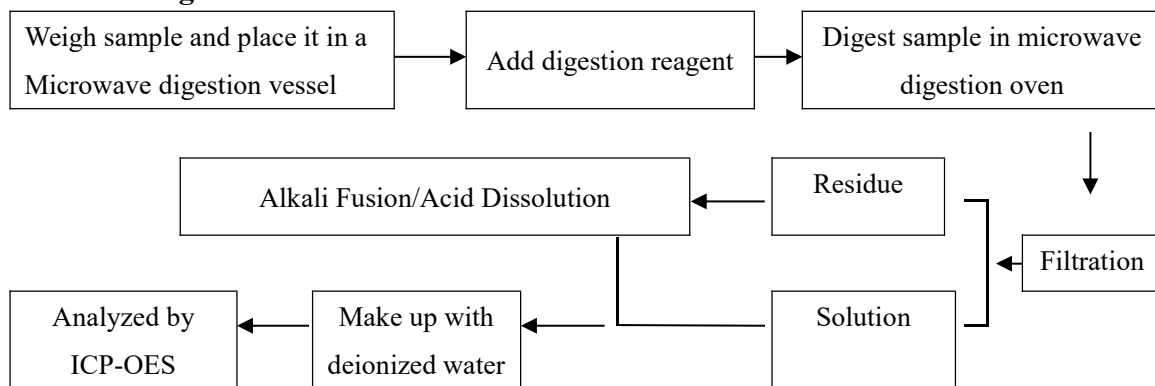
“- ”=Not specified

## Test process

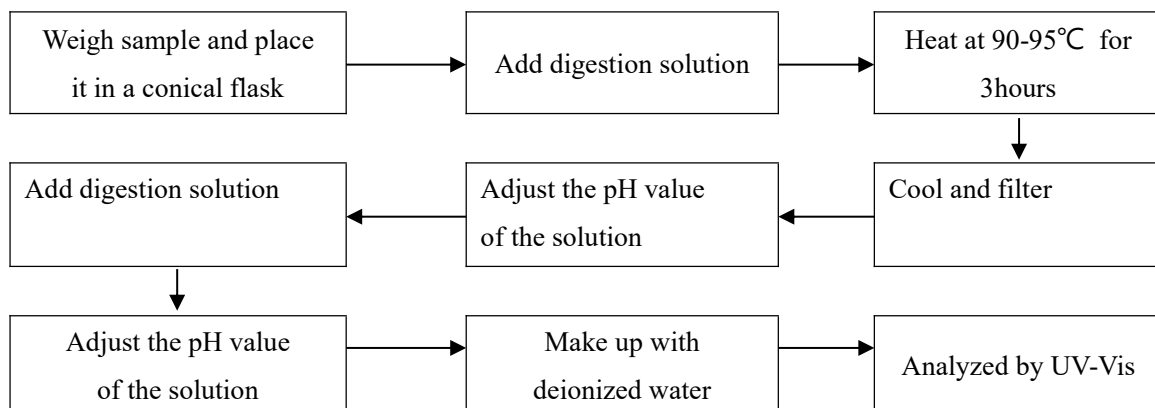
### 1. Test for Pb/Cd Content



### 2. Test for Hg Content



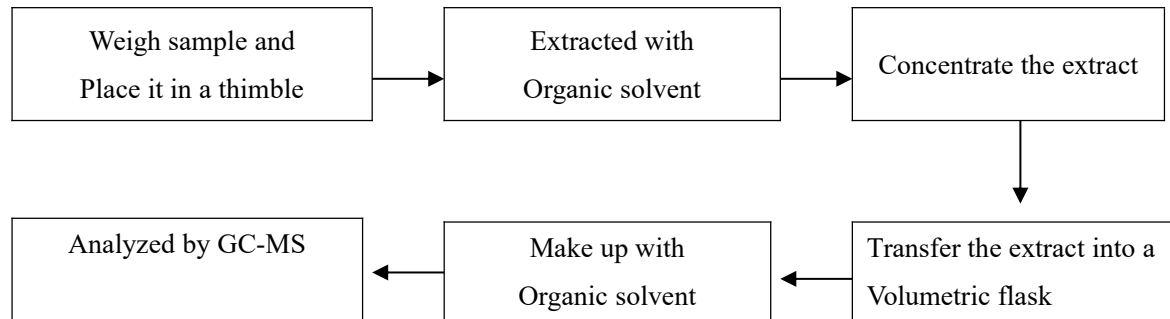
### 3. Test for Chromium (VI) Content



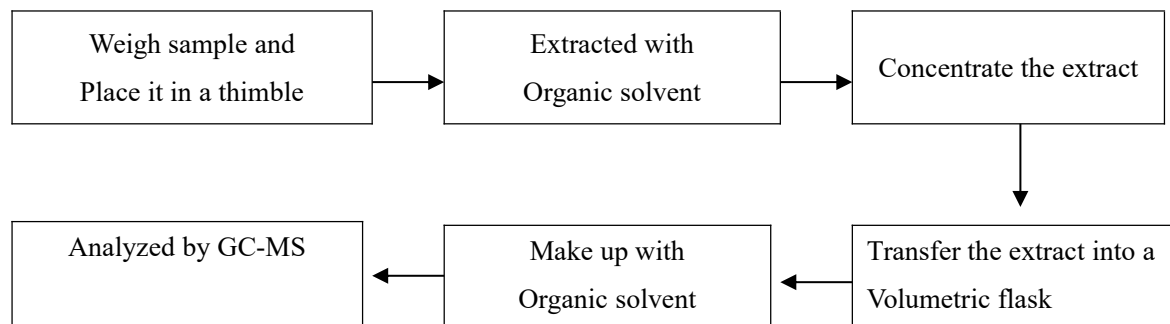


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## 4. Test for PBBs/PBDEs Content



## 5. Phthalates Content





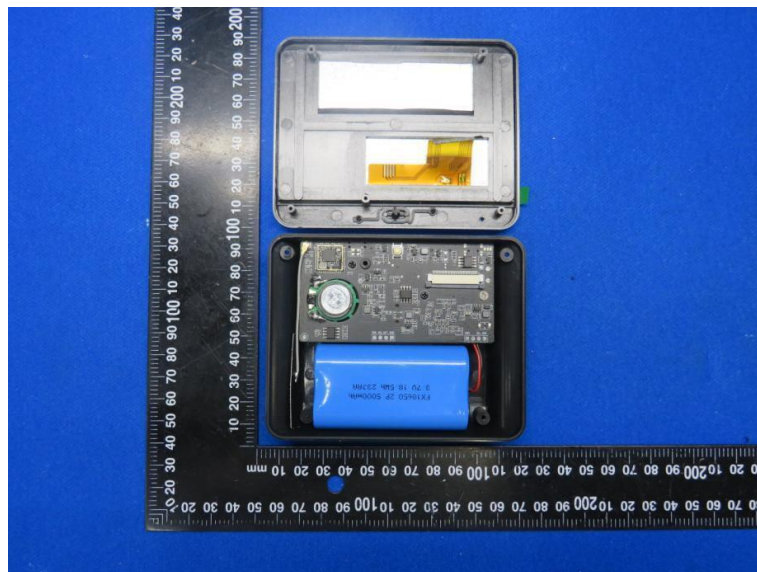
# Test Report

## Photo(s) of the sample(s)



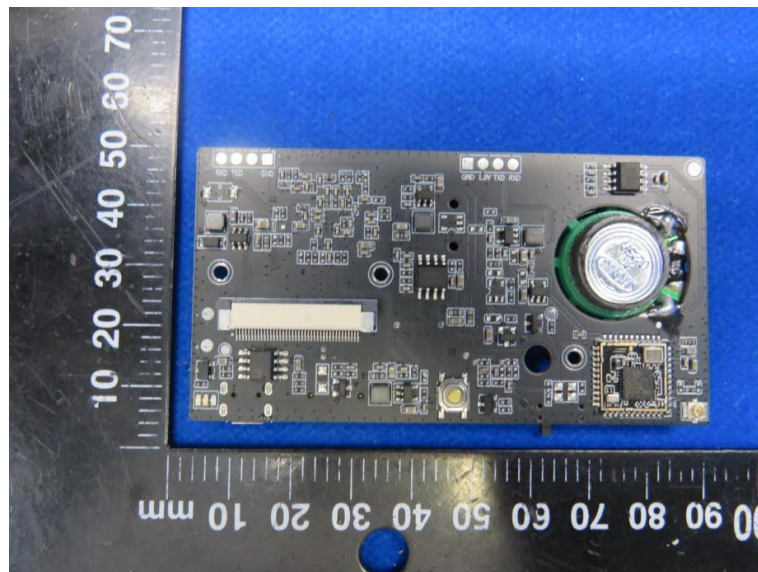
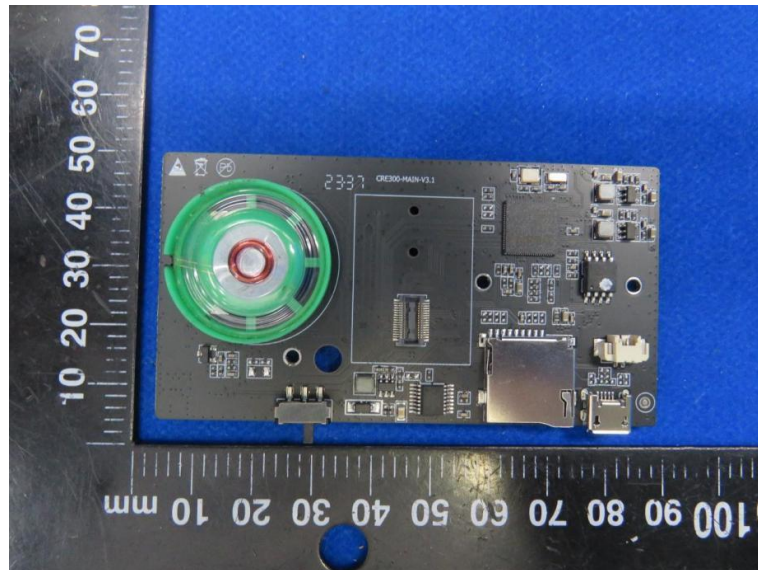


# Test Report





# Test Report



\*\*\* End of report \*\*\*

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