

Report No.: 18300RC30568201

# Test Report

**Client Name** : Mid Ocean Brands B.V.

---

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

---

**Product Name** : 3 in 1 Plug Adapter with Cable

---

**Report Date** : 2024.01.08

---

**Shenzhen Anbotech Compliance Laboratory Limited**



**Shenzhen Anbotech Compliance Laboratory Limited**

Address: East of 4/F., Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao'an  
District, Shenzhen, Guangdong, China  
Tel: (86) 0755-26066126 Fax: (86) 0755-26066021 Email: service@anbotech.com

 Hotline  
400-003-0500  
www.anbotech.com.cn



# Test Report

Report No.: 18300RC30568201

Page 1 of 21

**Applicant** : Mid Ocean Brands B.V.  
**Address** : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,  
Hong Kong

**The submitted sample and sample information was/were submitted and identified by/on the behalf of the client**

**Sample Name** : 3 in 1 Plug Adapter with Cable  
**Model No.** : MO9654  
**Manufacturer** : Mid Ocean Brands B.V.  
**Supplier** : Mid Ocean Brands B.V.  
**Sample Received Date** : 2023.11.13  
**Testing Period** : 2023.11.13~2023.11.21

**Test Requested** :

As specified by client, to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Diisobutyl phthalate (DIBP), Dibutyl phthalate(DBP), Benzyl butyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP) in selected material of the submitted sample in accordance with the RoHS Directive 2011/65/EU and amendment Commission Delegated Directive (EU) 2015/863 with effective from 22 July 2019.

**Conclusion**

Pass

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

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

Edited by

Lindy.chan

Reviewed by

Joe zhang

Authorized Signatory

Jackie



# Test Report

Report No.: 18300RC30568201

Page 2 of 21

## Test Method:

### A. XRF Screening Test

XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1:2013.

| Element | Limit of IEC 62321-3-1:2013 Unit (mg/kg)             |                                                      |                                                      |
|---------|------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
|         | Polymers                                             | Metals                                               | Composite material                                   |
| Cd      | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$   | $BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$   | $LOD < X < (150+3\sigma) \leq OL$                    |
| Pb      | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ |
| Hg      | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$ | $BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$ |
| Br      | $BL \leq (300-3\sigma) < X$                          | N.A.                                                 | $BL \leq (250-3\sigma) < X$                          |
| Cr      | $BL \leq (700-3\sigma) < X$                          | $BL \leq (700-3\sigma) < X$                          | $BL \leq (500-3\sigma) < X$                          |

### Note:

-N.A. = Not Applicable

-BL = Under the XRF screening limit

-OL = Further chemical test will be conducted while result is above the screening limit

-X= The symbol "X" marks the region where further investigation is necessary

-3σ= The reproducibility of analytical instruments

-LOD= Detection limit

### B. Chemical Test

| Test Item(s)                           | Test Method                | Measured Equipment(s) | MDL                    | Limit      |
|----------------------------------------|----------------------------|-----------------------|------------------------|------------|
| Lead (Pb)                              | IEC 62321-5:2013           | ICP-OES               | 2 mg/kg                | 1000 mg/kg |
| Cadmium (Cd)                           | IEC 62321-5:2013           |                       | 2 mg/kg                | 100 mg/kg  |
| Mercury (Hg)                           | IEC 62321-4:2013+AMD1:2017 |                       | 2 mg/kg                | 1000 mg/kg |
| Hexavalent Chromium Cr(VI)             | IEC 62321-7-1:2015         | UV-VIS                | 0.10μg/cm <sup>2</sup> | ---        |
|                                        | IEC 62321-7-2:2017         |                       | 8 mg/kg                | 1000 mg/kg |
| Polybrominated Biphenyls (PBBs)        | IEC 62321-6:2015           | GC-MS                 | 5 mg/kg                | 1000 mg/kg |
| Polybrominated Diphenyl Ethers (PBDEs) | IEC 62321-6:2015           |                       | 5 mg/kg                | 1000 mg/kg |
| Phthalates (DIBP, DBP, BBP, DEHP)      | IEC 62321-8:2017           |                       | 50 mg/kg               | 1000 mg/kg |





# Test Report

Report No.: 18300RC30568201

Page 3 of 21

## Test Results:

| Sample No. | Sample Description        | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|---------------------------|----------------|---------------------------------|----------------------------|------------|
| 1          | Black plastic wire sleeve | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
| 2          | Black plastic scarfskin   | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | 147                        |            |
| 3          | White inner plastic       | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |
|            |                           | Pb             | BL                              | /                          |            |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |



# Test Report

Report No.: 18300RC30568201

Page 4 of 21

| Sample No. | Sample Description               | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|----------------------------------|----------------|---------------------------------|----------------------------|------------|
| 4          | Black glue                       | Pb             | BL                              | /                          | PASS       |
|            |                                  | Cd             | BL                              | /                          |            |
|            |                                  | Hg             | BL                              | /                          |            |
|            |                                  | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                                  | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                                  | DBP            | N.A.                            | N.D.                       |            |
|            |                                  | BBP            | N.A.                            | N.D.                       |            |
|            |                                  | DEHP           | N.A.                            | N.D.                       |            |
|            |                                  | DIBP           | N.A.                            | N.D.                       |            |
| 5          | Silvery metal socket             | Pb             | BL                              | /                          | PASS       |
|            |                                  | Cd             | BL                              | /                          |            |
|            |                                  | Hg             | BL                              | /                          |            |
|            |                                  | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                                  | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                                  | DBP            | N.A.                            | /                          |            |
|            |                                  | BBP            | N.A.                            | /                          |            |
|            |                                  | DEHP           | N.A.                            | /                          |            |
|            |                                  | DIBP           | N.A.                            | /                          |            |
| 6          | Copper-colored metal contact pin | Pb             | BL                              | /                          | PASS       |
|            |                                  | Cd             | BL                              | /                          |            |
|            |                                  | Hg             | BL                              | /                          |            |
|            |                                  | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                                  | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                                  | DBP            | N.A.                            | /                          |            |
|            |                                  | BBP            | N.A.                            | /                          |            |
|            |                                  | DEHP           | N.A.                            | /                          |            |
|            |                                  | DIBP           | N.A.                            | /                          |            |



# Test Report

Report No.: 18300RC30568201

Page 5 of 21

| Sample No. | Sample Description   | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|----------------------|----------------|---------------------------------|----------------------------|------------|
| 7          | Silvery metal socket | Pb             | BL                              | /                          | PASS       |
|            |                      | Cd             | BL                              | /                          |            |
|            |                      | Hg             | BL                              | /                          |            |
|            |                      | Cr(Cr(VI) )    | X                               | Negative                   |            |
|            |                      | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                      | DBP            | N.A.                            | /                          |            |
|            |                      | BBP            | N.A.                            | /                          |            |
|            |                      | DEHP           | N.A.                            | /                          |            |
|            |                      | DIBP           | N.A.                            | /                          |            |
|            |                      | Pb             | BL                              | /                          |            |
|            |                      | Cd             | BL                              | /                          |            |
|            |                      | Hg             | BL                              | /                          |            |
|            |                      | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                      | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                      | DBP            | N.A.                            | /                          |            |
|            |                      | BBP            | N.A.                            | /                          |            |
| 9          | Black inner plastic  | DEHP           | N.A.                            | /                          | PASS       |
|            |                      | DIBP           | N.A.                            | /                          |            |
|            |                      | Pb             | BL                              | /                          |            |
|            |                      | Cd             | BL                              | /                          |            |
|            |                      | Hg             | BL                              | /                          |            |
|            |                      | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                      | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                      | DBP            | N.A.                            | N.D.                       |            |
|            |                      | BBP            | N.A.                            | N.D.                       |            |
|            |                      | DEHP           | N.A.                            | N.D.                       |            |
|            |                      | DIBP           | N.A.                            | N.D.                       |            |
|            |                      |                |                                 |                            |            |





# Test Report

Report No.: 18300RC30568201

Page 6 of 21

| Sample No. | Sample Description          | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|-----------------------------|----------------|---------------------------------|----------------------------|------------|
| 10         | Silvery metal soldering tin | Pb             | BL                              | /                          | PASS       |
|            |                             | Cd             | BL                              | /                          |            |
|            |                             | Hg             | BL                              | /                          |            |
|            |                             | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                             | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                             | DBP            | N.A.                            | /                          |            |
|            |                             | BBP            | N.A.                            | /                          |            |
|            |                             | DEHP           | N.A.                            | /                          |            |
| 11         | Black plastic scarfskin     | Pb             | BL                              | /                          | PASS       |
|            |                             | Cd             | BL                              | /                          |            |
|            |                             | Hg             | BL                              | /                          |            |
|            |                             | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                             | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                             | DBP            | N.A.                            | N.D.                       |            |
|            |                             | BBP            | N.A.                            | N.D.                       |            |
|            |                             | DEHP           | N.A.                            | N.D.                       |            |
| 12         | Silvery metal socket        | Pb             | BL                              | /                          | PASS       |
|            |                             | Cd             | BL                              | /                          |            |
|            |                             | Hg             | BL                              | /                          |            |
|            |                             | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                             | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                             | DBP            | N.A.                            | /                          |            |
|            |                             | BBP            | N.A.                            | /                          |            |
|            |                             | DEHP           | N.A.                            | /                          |            |
|            |                             | DIBP           | N.A.                            | /                          |            |
|            |                             |                |                                 |                            |            |
|            |                             |                |                                 |                            |            |
|            |                             |                |                                 |                            |            |
|            |                             |                |                                 |                            |            |
|            |                             |                |                                 |                            |            |
|            |                             |                |                                 |                            |            |
|            |                             |                |                                 |                            |            |



# Test Report

Report No.: 18300RC30568201

Page 7 of 21

| Sample No. | Sample Description       | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|--------------------------|----------------|---------------------------------|----------------------------|------------|
| 13         | Copper-colored metal pin | Pb             | BL                              | /                          | PASS       |
|            |                          | Cd             | BL                              | /                          |            |
|            |                          | Hg             | BL                              | /                          |            |
|            |                          | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                          | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                          | DBP            | N.A.                            | /                          |            |
|            |                          | BBP            | N.A.                            | /                          |            |
|            |                          | DEHP           | N.A.                            | /                          |            |
|            |                          | DIBP           | N.A.                            | /                          |            |
| 14         | Blue PCB board           | Pb             | BL                              | /                          | PASS       |
|            |                          | Cd             | BL                              | /                          |            |
|            |                          | Hg             | BL                              | /                          |            |
|            |                          | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                          | Br(PBBs&PBDEs) | X                               | N.D.                       |            |
|            |                          | DBP            | N.A.                            | N.D.                       |            |
|            |                          | BBP            | N.A.                            | N.D.                       |            |
|            |                          | DEHP           | N.A.                            | N.D.                       |            |
|            |                          | DIBP           | N.A.                            | N.D.                       |            |
| 15         | Silvery metal pin        | Pb             | BL                              | /                          | PASS       |
|            |                          | Cd             | BL                              | /                          |            |
|            |                          | Hg             | BL                              | /                          |            |
|            |                          | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                          | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                          | DBP            | N.A.                            | /                          |            |
|            |                          | BBP            | N.A.                            | /                          |            |
|            |                          | DEHP           | N.A.                            | /                          |            |
|            |                          | DIBP           | N.A.                            | /                          |            |





# Test Report

Report No.: 18300RC30568201

Page 8 of 21

| Sample No. | Sample Description  | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|---------------------|----------------|---------------------------------|----------------------------|------------|
| 16         | Black inner plastic | Pb             | BL                              | /                          | PASS       |
|            |                     | Cd             | BL                              | /                          |            |
|            |                     | Hg             | BL                              | /                          |            |
|            |                     | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                     | Br(PBBs&PBDEs) | X                               | N.D.                       |            |
|            |                     | DBP            | N.A.                            | N.D.                       |            |
|            |                     | BBP            | N.A.                            | N.D.                       |            |
|            |                     | DEHP           | N.A.                            | N.D.                       |            |
| 17         | Silvery metal pin   | Pb             | BL                              | /                          | PASS       |
|            |                     | Cd             | BL                              | /                          |            |
|            |                     | Hg             | BL                              | /                          |            |
|            |                     | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                     | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                     | DBP            | N.A.                            | /                          |            |
|            |                     | BBP            | N.A.                            | /                          |            |
|            |                     | DEHP           | N.A.                            | /                          |            |
| 18         | Black inner plastic | Pb             | BL                              | /                          | PASS       |
|            |                     | Cd             | BL                              | /                          |            |
|            |                     | Hg             | BL                              | /                          |            |
|            |                     | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                     | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                     | DBP            | N.A.                            | N.D.                       |            |
|            |                     | BBP            | N.A.                            | N.D.                       |            |
|            |                     | DEHP           | N.A.                            | N.D.                       |            |
|            |                     | DIBP           | N.A.                            | N.D.                       |            |
|            |                     |                |                                 |                            |            |
|            |                     |                |                                 |                            |            |
|            |                     |                |                                 |                            |            |
|            |                     |                |                                 |                            |            |
|            |                     |                |                                 |                            |            |
|            |                     |                |                                 |                            |            |
|            |                     |                |                                 |                            |            |



# Test Report

Report No.: 18300RC30568201

Page 9 of 21

| Sample No. | Sample Description | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|--------------------|----------------|---------------------------------|----------------------------|------------|
| 19         | Silvery metal pin  | Pb             | BL                              | /                          | PASS       |
|            |                    | Cd             | BL                              | /                          |            |
|            |                    | Hg             | BL                              | /                          |            |
|            |                    | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                    | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                    | DBP            | N.A.                            | /                          |            |
|            |                    | BBP            | N.A.                            | /                          |            |
|            |                    | DEHP           | N.A.                            | /                          |            |
|            |                    | DIBP           | N.A.                            | /                          |            |
| 20         | Chip audion        | Pb             | BL                              | /                          | PASS       |
|            |                    | Cd             | BL                              | /                          |            |
|            |                    | Hg             | BL                              | /                          |            |
|            |                    | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                    | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                    | DBP            | N.A.                            | N.D.                       |            |
|            |                    | BBP            | N.A.                            | N.D.                       |            |
|            |                    | DEHP           | N.A.                            | N.D.                       |            |
|            |                    | DIBP           | N.A.                            | N.D.                       |            |
| 21         | Chip resistor      | Pb             | OL*                             | /                          | PASS       |
|            |                    | Cd             | BL                              | /                          |            |
|            |                    | Hg             | BL                              | /                          |            |
|            |                    | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                    | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                    | DBP            | N.A.                            | N.D.                       |            |
|            |                    | BBP            | N.A.                            | N.D.                       |            |
|            |                    | DEHP           | N.A.                            | N.D.                       |            |
|            |                    | DIBP           | N.A.                            | N.D.                       |            |



# Test Report

Report No.: 18300RC30568201

Page 10 of 21

| Sample No. | Sample Description      | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|-------------------------|----------------|---------------------------------|----------------------------|------------|
| 22         | Chip capacitor          | Pb             | BL                              | /                          | PASS       |
|            |                         | Cd             | BL                              | /                          |            |
|            |                         | Hg             | BL                              | /                          |            |
|            |                         | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                         | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                         | DBP            | N.A.                            | N.D.                       |            |
|            |                         | BBP            | N.A.                            | N.D.                       |            |
|            |                         | DEHP           | N.A.                            | N.D.                       |            |
|            |                         | DIBP           | N.A.                            | N.D.                       |            |
| 23         | White plastic scarfskin | Pb             | BL                              | /                          | PASS       |
|            |                         | Cd             | BL                              | /                          |            |
|            |                         | Hg             | BL                              | /                          |            |
|            |                         | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                         | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                         | DBP            | N.A.                            | N.D.                       |            |
|            |                         | BBP            | N.A.                            | N.D.                       |            |
|            |                         | DEHP           | N.A.                            | N.D.                       |            |
|            |                         | DIBP           | N.A.                            | N.D.                       |            |
| 24         | Black plastic scarfskin | Pb             | BL                              | /                          | PASS       |
|            |                         | Cd             | BL                              | /                          |            |
|            |                         | Hg             | BL                              | /                          |            |
|            |                         | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                         | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                         | DBP            | N.A.                            | N.D.                       |            |
|            |                         | BBP            | N.A.                            | N.D.                       |            |
|            |                         | DEHP           | N.A.                            | N.D.                       |            |
|            |                         | DIBP           | N.A.                            | N.D.                       |            |





# Test Report

Report No.: 18300RC30568201

Page 11 of 21

| Sample No. | Sample Description       | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|--------------------------|----------------|---------------------------------|----------------------------|------------|
| 25         | Silvery metal cable core | Pb             | BL                              | /                          | PASS       |
|            |                          | Cd             | BL                              | /                          |            |
|            |                          | Hg             | BL                              | /                          |            |
|            |                          | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                          | Br(PBBs&PBDEs) | N.A.                            | /                          |            |
|            |                          | DBP            | N.A.                            | /                          |            |
|            |                          | BBP            | N.A.                            | /                          |            |
|            |                          | DEHP           | N.A.                            | /                          |            |
|            |                          | DIBP           | N.A.                            | /                          |            |
| 26         | Red plastic jacket       | Pb             | BL                              | /                          | PASS       |
|            |                          | Cd             | BL                              | /                          |            |
|            |                          | Hg             | BL                              | /                          |            |
|            |                          | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                          | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                          | DBP            | N.A.                            | N.D.                       |            |
|            |                          | BBP            | N.A.                            | N.D.                       |            |
|            |                          | DEHP           | N.A.                            | N.D.                       |            |
|            |                          | DIBP           | N.A.                            | N.D.                       |            |
| 27         | Black plastic jacket     | Pb             | BL                              | /                          | PASS       |
|            |                          | Cd             | BL                              | /                          |            |
|            |                          | Hg             | BL                              | /                          |            |
|            |                          | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                          | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                          | DBP            | N.A.                            | N.D.                       |            |
|            |                          | BBP            | N.A.                            | N.D.                       |            |
|            |                          | DEHP           | N.A.                            | N.D.                       |            |
|            |                          | DIBP           | N.A.                            | N.D.                       |            |



# Test Report

Report No.: 18300RC30568201

Page 12 of 21

| Sample No. | Sample Description        | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|---------------------------|----------------|---------------------------------|----------------------------|------------|
| 28         | Black plastic wire sleeve | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |
| 29         | White plastic scarfskin   | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |
| 30         | White plastic wire sleeve | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |



# Test Report

Report No.: 18300RC30568201

Page 13 of 21

| Sample No. | Sample Description        | Tested Items   | XRF Screening Test Unit (mg/kg) | Chemical Test Unit (mg/kg) | Conclusion |
|------------|---------------------------|----------------|---------------------------------|----------------------------|------------|
| 31         | White plastic scarfskin   | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |
| 32         | Green PCB board           | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | X                               | N.D.                       |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |
| 33         | Translucent plastic block | Pb             | BL                              | /                          | PASS       |
|            |                           | Cd             | BL                              | /                          |            |
|            |                           | Hg             | BL                              | /                          |            |
|            |                           | Cr(Cr(VI) )    | BL                              | /                          |            |
|            |                           | Br(PBBs&PBDEs) | BL                              | /                          |            |
|            |                           | DBP            | N.A.                            | N.D.                       |            |
|            |                           | BBP            | N.A.                            | N.D.                       |            |
|            |                           | DEHP           | N.A.                            | N.D.                       |            |
|            |                           | DIBP           | N.A.                            | N.D.                       |            |





# Test Report

Report No.: 18300RC30568201

Page 14 of 21

**Note:**

- The screening results are only used for reference.
- When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.
- BL = Under the XRF screening limit
- OL = Further chemical test will be conducted while result is above the screening limit
- X= The symbol "X" marks the region where further investigation is necessary
- LOD= Detection limit
- MDL = Method Detection Limit
- N.A. = Not Applicable
- N.D. = Not Detected (<MDL)
- /=Not tested
- 1mg/kg = 1ppm = 0.0001%
- $\mu\text{g}/\text{cm}^2$  = microgramme per square centimetre
- "---"=
  - a. -Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than  $0.10\mu\text{g}/\text{cm}^2$ .
  - b. -Positive = Presence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is equal to or greater than  $0.13\mu\text{g}/\text{cm}^2$ .
  - c. The result is between  $0.10\mu\text{g}/\text{cm}^2$  with  $0.13\mu\text{g}/\text{cm}^2$  is considered to be inconclusive-unavoidable coating variations may influence the determination.
- As specified by the client, all the results in this report were quoted from report 18300RC30504701.



# Test Report

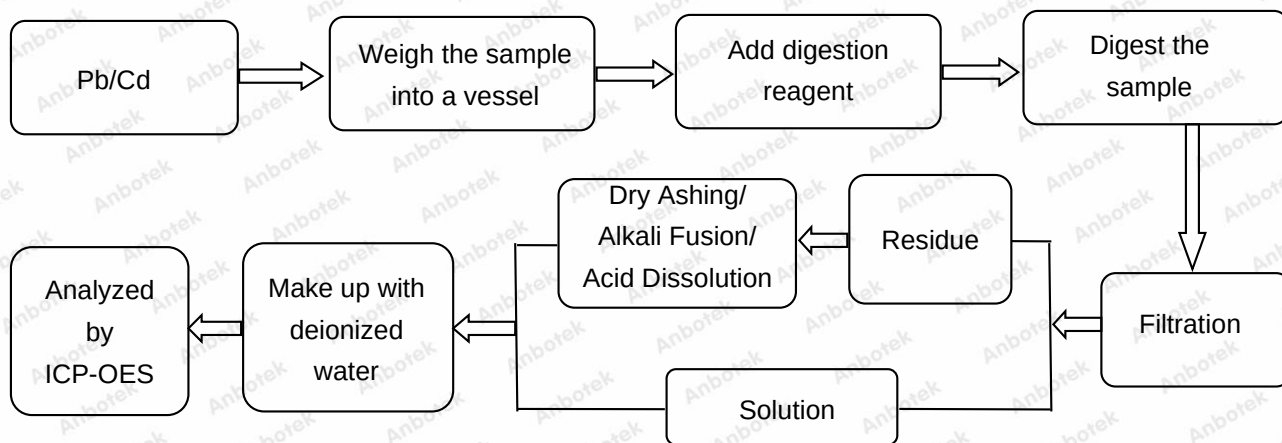
Report No.: 18300RC30568201

Page 15 of 21

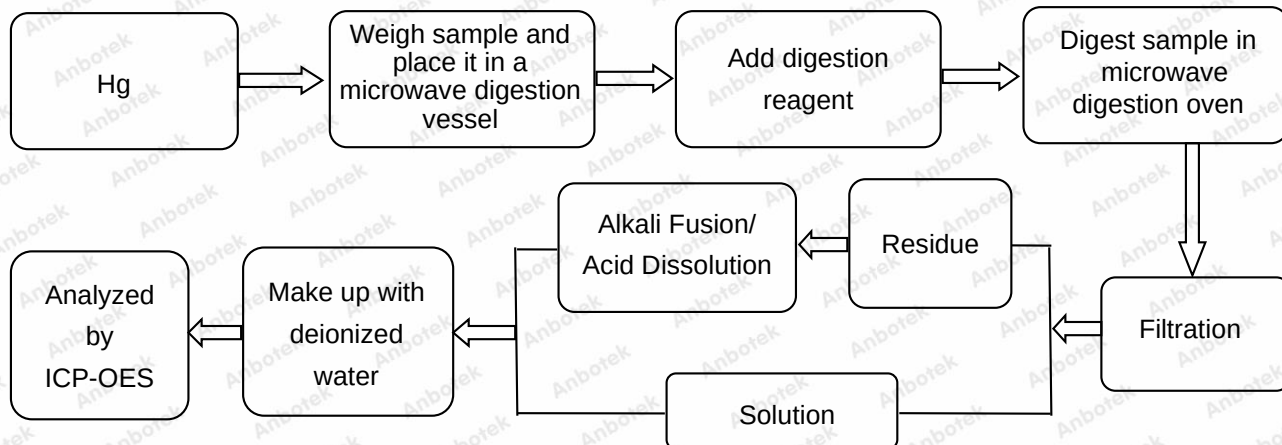
## Test Process:

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

### ◆ IEC 62321-5:2013



### ◆ IEC 62321-4:2013+AMD1:2017

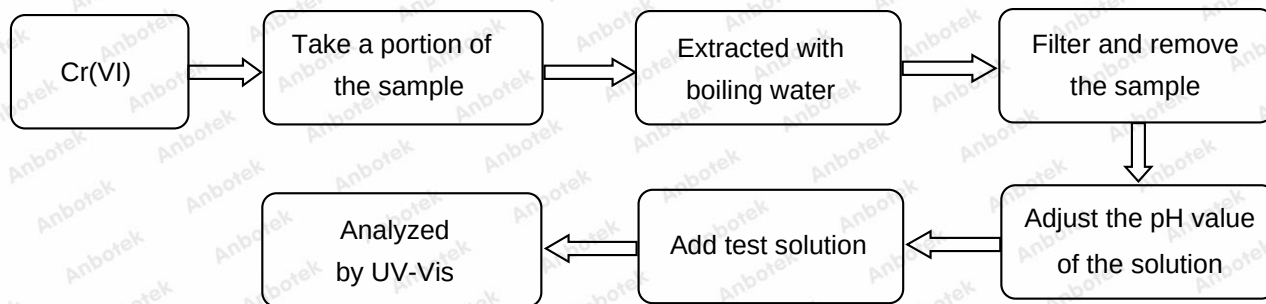


# Test Report

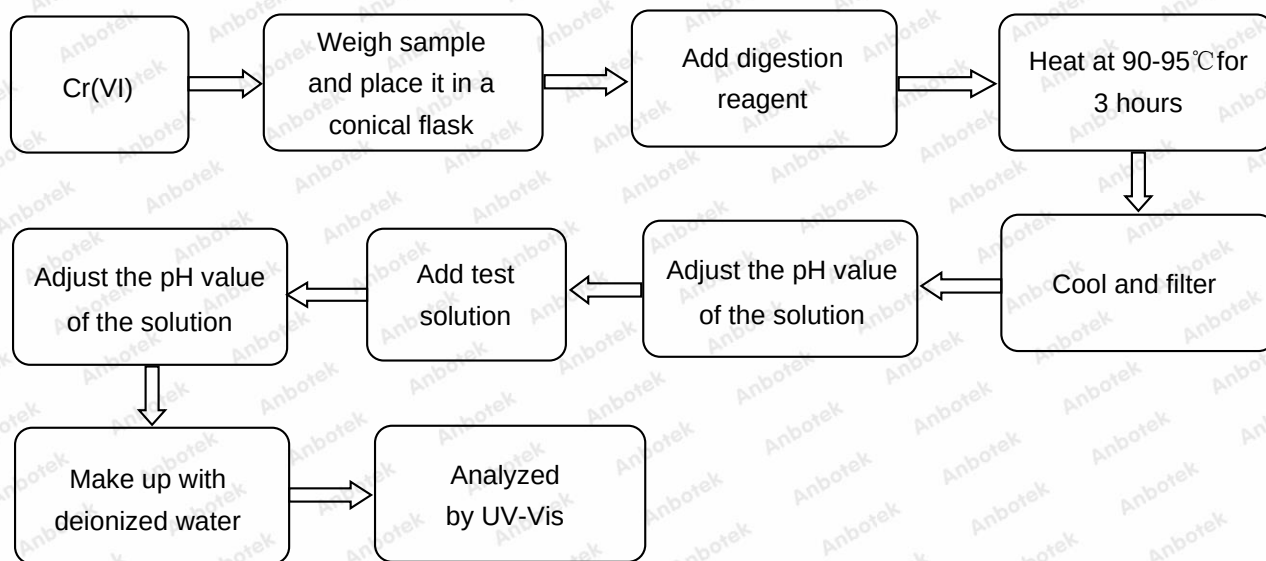
Report No.: 18300RC30568201

Page 16 of 21

◆ IEC 62321-7-1:2015



◆ IEC 62321-7-2:2017



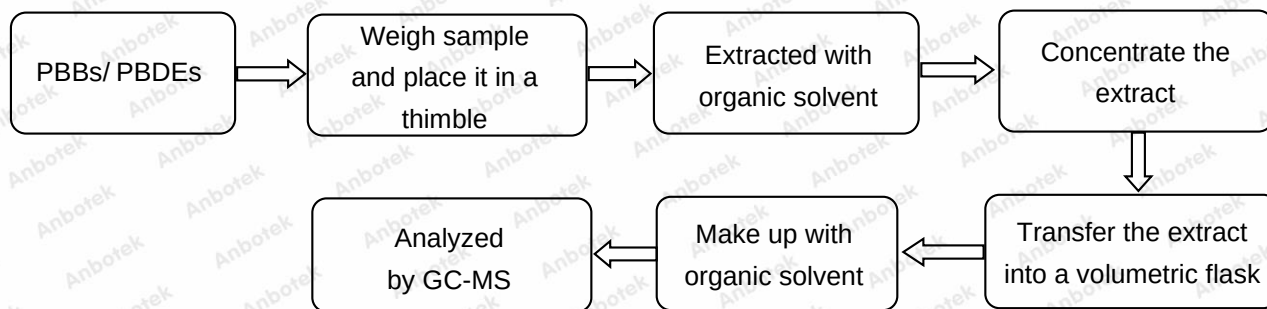


# Test Report

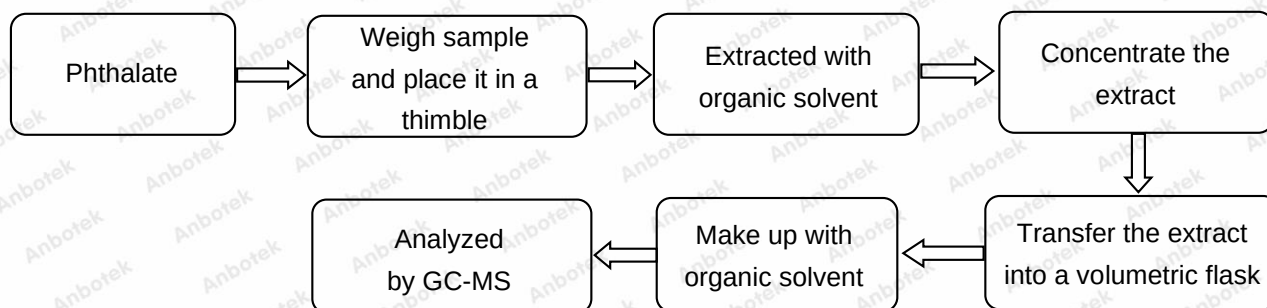
Report No.: 18300RC30568201

Page 17 of 21

◆ IEC 62321-6:2015



◆ IEC 62321-8:2017

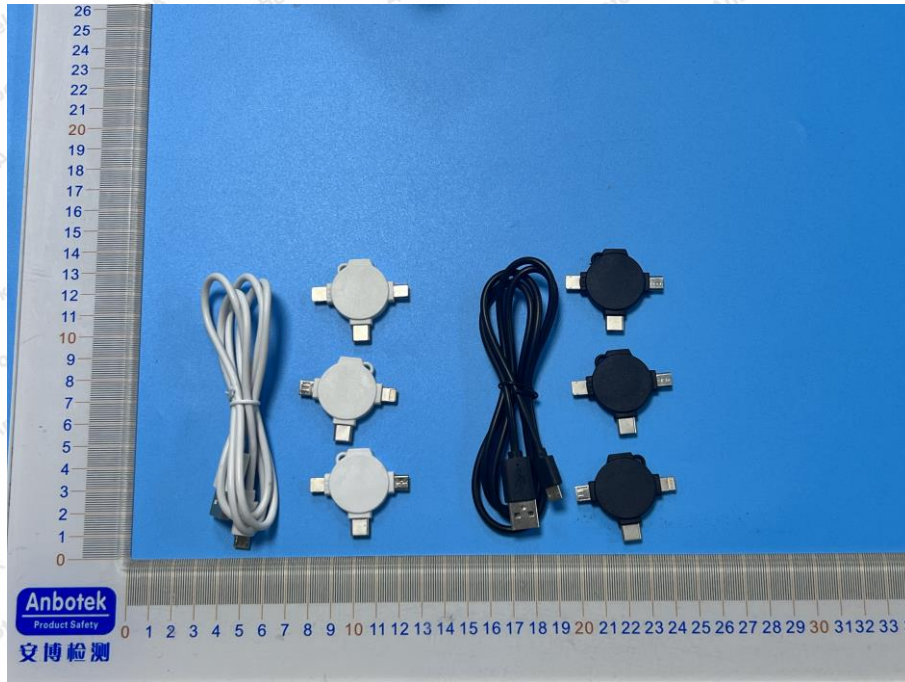


# Test Report

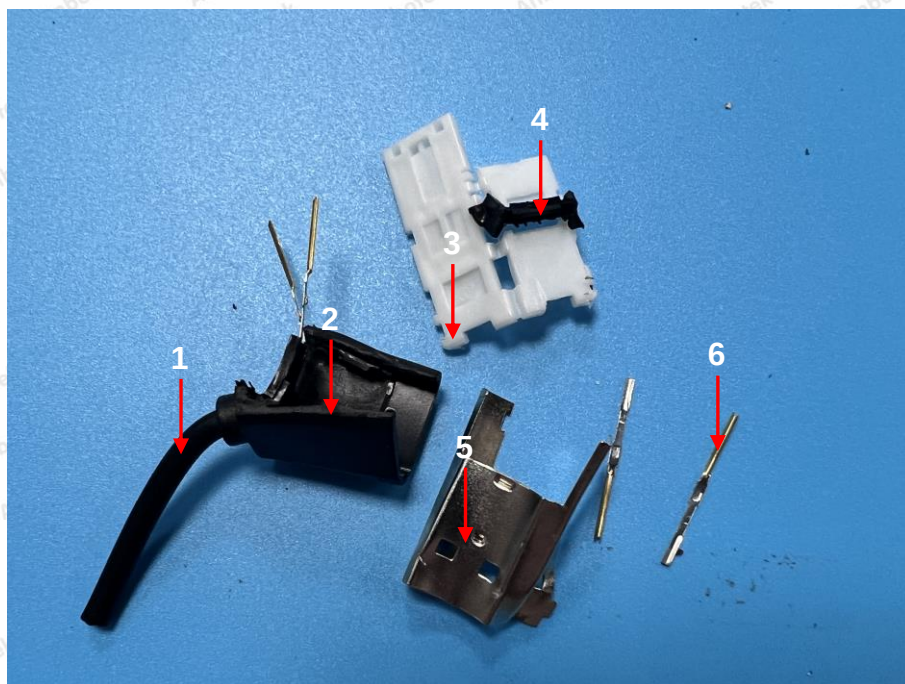
Report No.: 18300RC30568201

Page 18 of 21

Photograph of Sample



Photo(s) of the component(s)

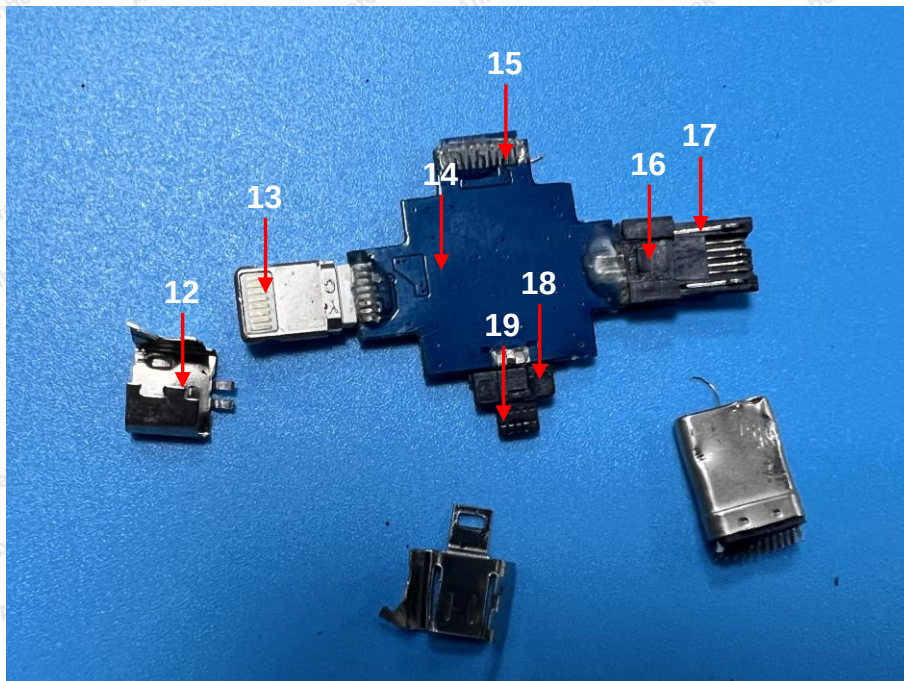
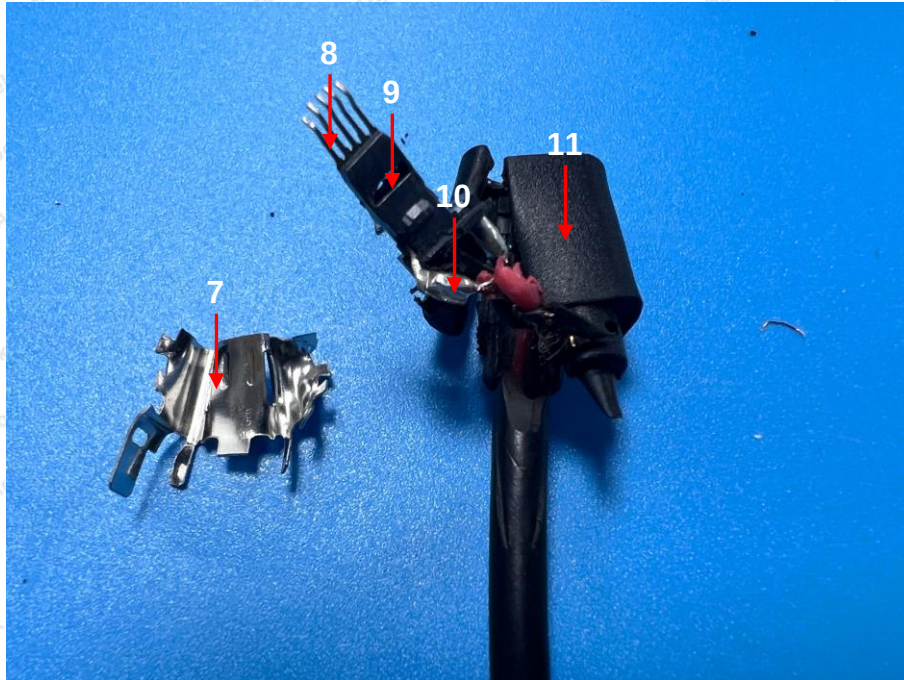




# Test Report

Report No.: 18300RC30568201

Page 19 of 21

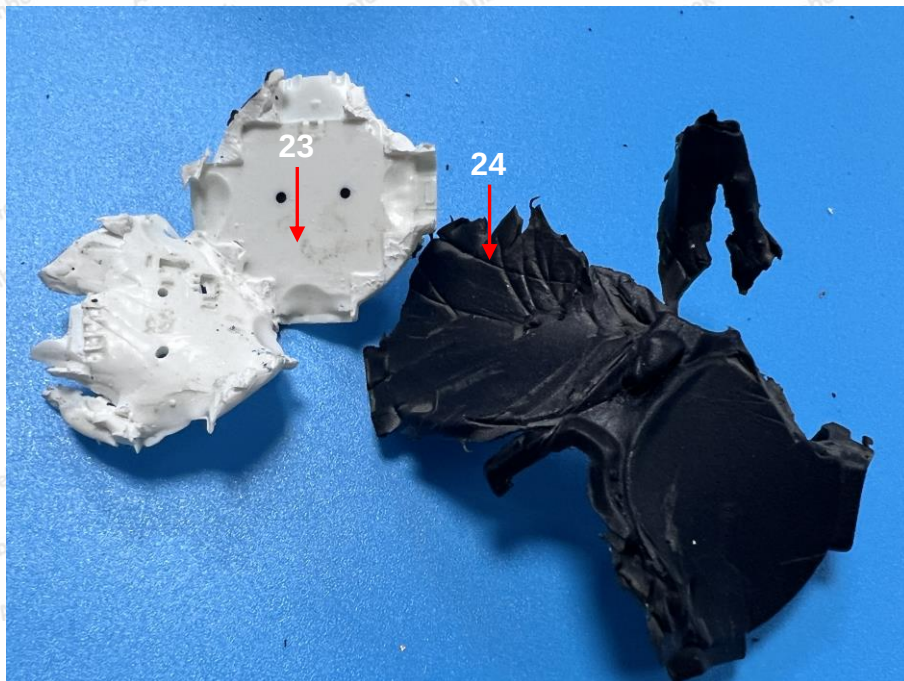
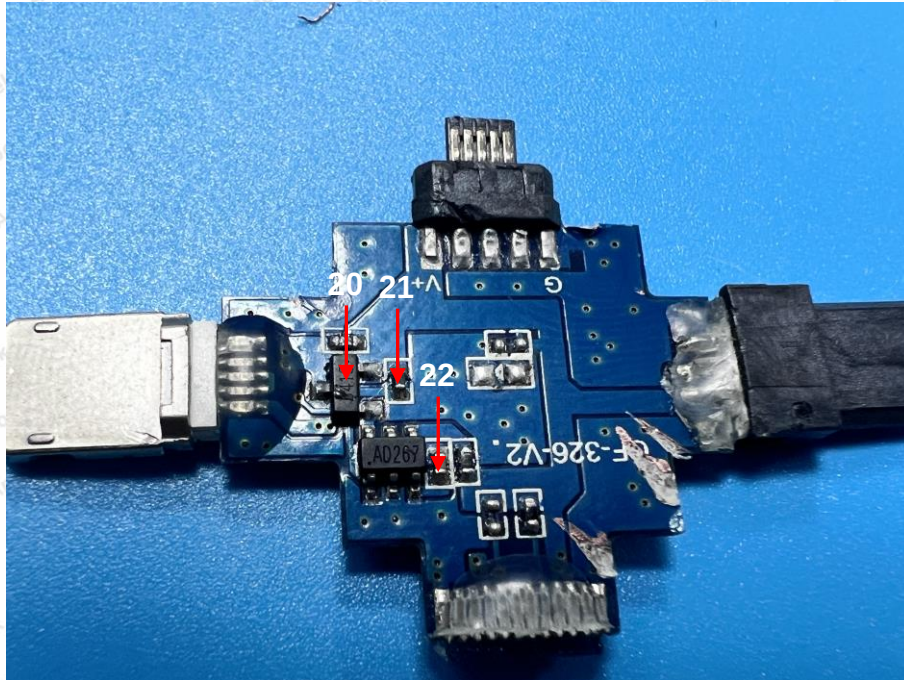




# Test Report

Report No.: 18300RC30568201

Page 20 of 21

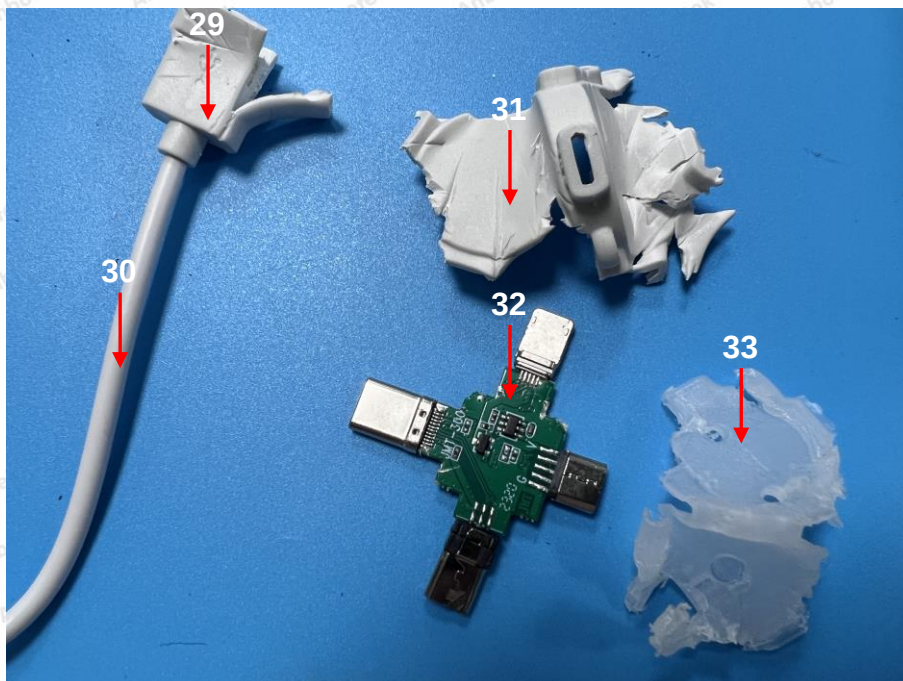
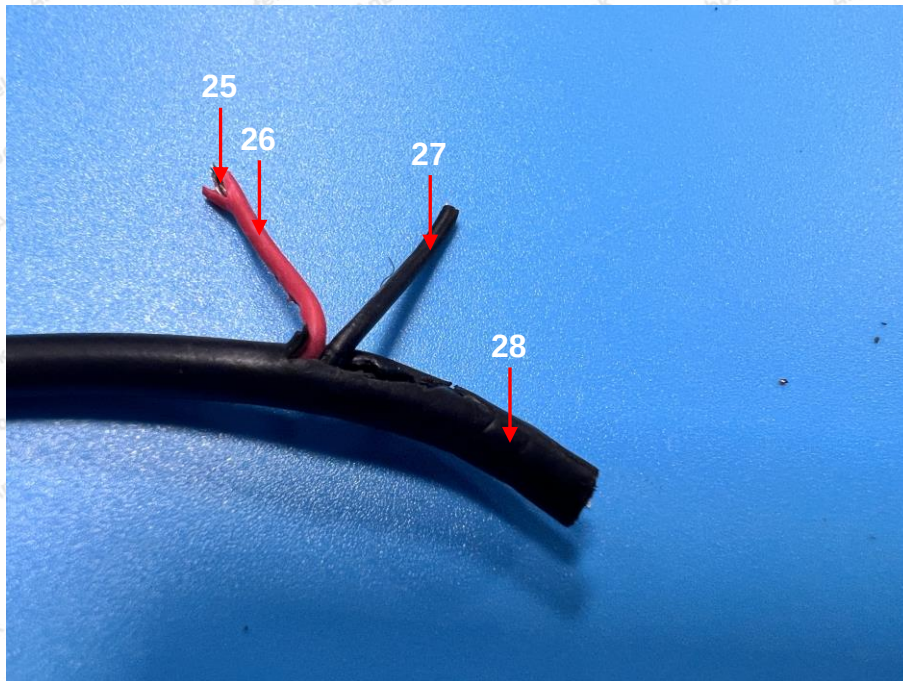




# Test Report

Report No.: 18300RC30568201

Page 21 of 21



\*\*\*\*\* End of Report \*\*\*\*\*

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of Anbotech, this report can't be reproduced except in full.

## Shenzhen Anbotech Compliance Laboratory Limited

Address: East of 4/F., Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China  
Tel: (86) 0755-26066126 Fax: (86) 0755-26066021 Email: service@anbotech.com

AB-RHS-03-b



Hotline  
400-003-0500  
www.anbotech.com.cn

