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TEST REPORT

Applicant: Flashbay Electronics

Address: Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian

Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample name: Wireless Chargers

Model: Ring/RG

Manufacturer&Factory: Flashbay Electronics

Address: Building2 ,Jixun Industrial Park ,Xinjiao ,Dong'ao Village ,Shatian

Town ,Huiyang District ,Huizhou City , Guangdong Province,P.R.China

Sample No.: S241022030034

Sample Received Date: 2024-10-24

Testing Period: 2024-10-24~ 2024-11-30

Test Requirement: Conclusion

As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)contents in the submitted sample(s) in accordance with RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Pass

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

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

| Compiled by: | Nina.Car | Reviewed by: | Luetta Mo | | |
|--------------|----------|--------------|------------|-------|--|
| Approved by: | May Li | Date: | 2025-01-06 | J.CL. | |



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Sample Description:

| No. | Sample name | Description | | | |
|-----|-------------------|--|------|--|--|
| 1 | | Yellow wood of shell | | | |
| 2 | | Black adhesive fabric of shell Black foam of shell | | | |
| 3 | | | | | |
| 4 | | Silver metal of shell | | | |
| 5 | | Gray rubber pad of shell | - | | |
| 6 | | Silver metal screw of shell | | | |
| 7 | 1 Time | Silver metal shell of type-c interface | | | |
| 8 | Mahila Dawar Bark | Black plastic of type-c interface | | | |
| 9 | Mobile Power Bank | Metal plug pin of type-c interface | | | |
| 10 | | Green PCB | | | |
| 11 | | Magnet core of PCB | . Al | | |
| 12 | | White cotton thread of PCB | 4 | | |
| 13 | | Core of wire of PCB | A. | | |
| 14 | | Yellow transparent adhesive tape of PCB | | | |
| 15 | - Line | Red capacitor of PCB | | | |
| 16 | A TOWN | Tin solder of PCB | | | |

Test Result(s):

Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers(PBDEs)

| | Part No. | Test Items | | XRF Screening Result(mg/kg) | Chemical Test Result(mg/kg) | Conclusion | |
|--|----------|----------------|-----------|--------------------------------|--------------------------------|------------|--|
| | | Pl | o . | BL | / | | |
| | | C | d Lilling | BL | / | | |
| | 1 | H | 9 | BL | / | | |
| | 1 | Cr | Cr(VI) | BL | / | Pass | |
| | | D. | PBBs | BL - | 1 | | |
| | | Br | PBDEs | | / | | |
| | | Pb Cd Hg | | BL | / | * | |
| | | | | BL | / | | |
| | 0 | | | BL | 1 | D | |
| | 2 | Cr | Cr(VI) | BL | 1 | Pass | |
| | | PBBs | DI | 1 | | | |
| | | Br | PBDEs | BL | / | | |
| | | Pb Cd Hg | | BL | / | | |
| | | | | BL | / | - | |
| | 3 | | | BL | / | Dana A | |
| | 3 | Cr | Cr(VI) | BL | _® / | Pass | |
| | | PBBs | DI | Kill 1 | 4 | | |
| | | Br | PBDEs | BL | 1 | | |



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| • | торон ноп | 02 02200 | | | | . ago o o | |
|----------|-----------|----------|-----------|------------------|----------|-----------|--|
| <u> </u> | | F | Pb | BL | / | | |
| | | (| Cd | BL | / | | |
| | 4 | ŀ | Нg | BL | / | | |
| | 4 | Cr | Cr(VI) | BL | / | Pass | |
| | | | PBBs | | / | | |
| | | Br | PBDEs | / | <u> </u> | T.E.L | |
| | | F | Pb | BL | 1 | | |
| | | | Cd 👗 | BL | / | | |
| | | | dg 🗸 Yill | BL | / | | |
| © | 5 | Cr | Cr(VI) | BL | / | Pass | |
| | | | PBBs | | / | _ | |
| | | Br | PBDEs | BL | / | | |
| | | F | Pb | BL | / | | |
| | | | Dd Cd | BL | / | | |
| | | | Hg | BL | 1 | | |
| | 6 | Cr | | BL | | Pass | |
| | | CI | Cr(VI) | DL | | _ | |
| | | Br | PBBs | / | | | |
| © | | - | PBDEs | DI | / | | |
| N. C. | | Pb | | BL | 1 | _ | |
| | | Cd Hg | | BL | / | | |
| | 7 | | | BL | / | Pass | |
| | | Cr Br | | Cr(VI) IN PBBs / | N.D. | _ | |
| | | | | | 1 | | |
| _ | | | PBDEs | | Akir 1 | | |
| | | | Pb | BL | / | | |
| | | Cd | | BL | / | | |
| | 8 | Н | Hg () | BL | / | Pass | |
| | Ū | Cr | Cr(VI) | BL | / | _ | |
| | | Br | PBBs | BL | 1 | | |
| | | Di . | PBDEs | | 1 | , | |
| | | F | Pb | BL | 1 | | |
| | | (| Cd | BL | 1 | Zile. | |
| | 9 | H | Нg | BL | 1 | Pass | |
| | 9 | Cr | Cr(VI) | BL | | _ F ass | |
| | | Dr | PBBs | / | 1 | | |
| | | Br | PBDEs | / | / | | |
| | | F | Pb | BL | / | | |
| | | (| Cd | BL | / | | |
| | 40 | | Нg | BL | / | D | |
| | 10 | Cr | Cr(VI) | BL | 1 | Pass | |
| | | | | PBBs | | N.D. | |
| | | Br | PBDEs | IN | N.D. | | |
| | | 1 | w w | | - I JV | | |

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| | F | Pb. | BL | / | |
|-----|--------------|----------------|--------|-----------|--------|
| | (| Cd | BL | / | |
| 4.4 | H | l g | BL | / | Davis |
| 11 | Cr | Cr(VI) | BL | / | Pass |
| | | PBBs | , | / | |
| | Br | PBDEs | / | <u></u> / | 1 |
| | F | Pb | BL | / | |
| | C | Cd 🔊 | BL | / | |
| 40 | H | lg Lilling | BL | / | Door |
| 12 | Cr | Cr(VI) | BL | / | Pass |
| | D., | PBBs | DI | / | |
| | Br | PBDEs | BL | / | |
| | F | Pb | BL | / | 3 |
| | | Cd | BL | / | at a |
| 12 | H | łg | BL | / | Pass |
| 13 | Cr Cr(VI) BL | | Pass * | | |
| | | PBBs | , | | |
| | וט | PBDEs | , | / | |
| | F | Pb | BL | / | |
| | C | Cd | BL | / | |
| 14 | H | łg | BL | / | Pass |
| 14 | Cr | Cr(VI) | IN | N.D. | 1 ass |
| | Br | PBBs | BL | <u> </u> | T.E.L |
| | ы | PBDEs | | Hille / | 4 |
| | | Pb | BL | / | |
| | (| Cd Atine | BL | / | |
| 15 | | łg. | BL | / | Pass |
| 10 | Cr | Cr(VI) | BL | / | 1 400 |
| | Br PBBs BL | BL | / | | |
| | | PBDEs | | / | |
| | | Pb | BL | / | 4 |
| | Cd | | BL | / | - Live |
| 16 | | lg | BL | 1 | Pass |
| . • | Cr | Cr(VI) | BL | 1 | |
| | Br | PBBs | / | / | |
| | | PBDEs | • | / | |



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Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)

| Toot Home | Result(mg/kg) | | | | |
|-------------------------------------|---------------|------|------|--|--|
| Test Items | 2 | 3 | 5 | | |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | N.D. | N.D. | N.D. | | |
| Benzyl butyl Phthalate (BBP) | N.D. | N.D. | N.D. | | |
| Dibutyl Phthalate (DBP) | N.D. | N.D. | N.D. | | |
| Diisobutyl Phthalate(DIBP) | N.D. | N.D. | N.D. | | |
| Conclusion | Pass | Pass | Pass | | |

| Test Items | Result(mg/kg) | | | |
|-------------------------------------|---------------|------|------|------|
| rest items | 8+15 | 10 | 12 | 14 |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | N.D. | N.D. | N.D. | N.D. |
| Benzyl butyl Phthalate (BBP) | N.D. | N.D. | N.D. | N.D. |
| Dibutyl Phthalate (DBP) | N.D. | N.D. | N.D. | N.D. |
| Diisobutyl Phthalate(DIBP) | N.D. | N.D. | N.D. | N.D. |
| Conclusion | Pass | Pass | Pass | Pass |

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Note: 1.N.D. = Not Detected (<MDL)

MDL = Method Detection Limit 1mg/kg = 1ppm =0.0001%

/=Not Regulated or Not Applicable2. BL = Below the XRF screening limit

IN = Further chemical test will be conducted when the screening result inconclusive

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

3. For metal samples, the sample is negative for Cr(VI), if the Cr(VI) concentration is less than

0.10 µg/cm², the coating is considered a non- Cr(VI) based coating;

The sample is positive for Cr(VI), if the Cr(VI) concentration is greater than 0.13 µg/cm²,

The sample coating is considered to contain Cr(VI);

The result is considered to be inconclusive, the Cr(VI) concentration is between the

0.10 μg/cm² and 0.13 μg/cm², unavoidable coating variations may influence the determination.

Because the storage condition and production date of the sample are not known, the test results of the sample of hexavalent chromium can only represent the state of hexavalent

chromium in the samples tested.

Remark: 1. 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.

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Test Method:

1. With reference to IEC 62321-1: 2013 Ed.1.0, IEC 62321-2:2021 Ed.2.0, IEC 62321-3-1:2013 Ed.1.0. XRF screening limits in mg/kg for regulated elements in various matrices.

| Element | Limit of IEC 62321-3-1:2013 Ed.1.0 (mg/kg) | | | | |
|---------|--|--|---------------------------------------|--|--|
| Element | Polymers | Metals | Composite material | | |
| Dh | BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ) <x td="" 👗<=""><td>BL≤(500-3σ)<x< td=""></x<></td></x></td></x<> | BL≤(700-3σ) <x td="" 👗<=""><td>BL≤(500-3σ)<x< td=""></x<></td></x> | BL≤(500-3σ) <x< td=""></x<> | | |
| Pb | <(1300+3σ)≤OL | <(1300+3σ)≤OL | <(1500+3σ)≤OL | | |
| Cd | BL≤(70-3σ) <x <<="" td=""><td>BL≤(70-3σ)<x <<="" td=""><td>LOD <x<(150+3σ)< td=""></x<(150+3σ)<></td></x></td></x> | BL≤(70-3σ) <x <<="" td=""><td>LOD <x<(150+3σ)< td=""></x<(150+3σ)<></td></x> | LOD <x<(150+3σ)< td=""></x<(150+3σ)<> | | |
| Cu | (130+3σ) ≤OL | (130+3σ) ≤OL | ≤OL | | |
| Πα | BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<> | BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<> | BL≤(500-3σ) <x< td=""></x<> | | |
| Hg | <(1300+3σ)≤OL | <(1300+3σ)≤OL | <(1500+3σ)≤OL | | |
| Cr | BL≤(700-3σ)< X | BL≤(700-3σ)< X | BL≤(500-3σ)< X | | |
| Br | BL≤(300-3σ)< X | / | BL≤(250-3σ)< X | | |

Note: BL= Below the XRF screening limit

OL=Over the XRF screening limit

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

 3σ =The reproducibility of analytical instruments

LOD= Detection limit

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2. Chemical Test

| | Test item Test method | | Test instrument | MDL | Limit△ |
|---|--|----------------------------|-----------------|-------------------------|---------------|
| Lead (Pb) Cadmium (Cd) | | IEC 62321-5:2013 Ed.1.0 | ICP-OES | 2 mg/kg | 1000 mg/kg |
| | | IEC 62321-5:2013 Ed.1.0 | ICP-OES | 2 mg/kg | 100 mg/kg |
| | Mercury (Hg) | IEC 62321-4:2013+AMD1:2017 | ICP-OES | 2 mg/kg | 1000 mg/kg |
| | Hexavalent | IEC 62321-7-1:2015 Ed.1.0 | 404760 | 0.10 µg/cm ² | 4000 |
| | Chromium(Cr(VI)) | IEC 62321-7-2:2017 Ed.1.0 | UV-Vis | 8 mg/kg | 1000 mg/kg |
| ^ | Polybrominated Biphenyls(PBBs) | IEC 62321-6:2015 Ed.1.0 | GC-MS | 5 mg/kg | 1000 mg/kg |
| | Polybrominated, Diphenyl Ethers(PBDEs) | IEC 62321-6:2015 Ed.1.0 | GC-MS | 5 mg/kg | 1000 mg/kg |
| | Bis-(2-ethylhexyl) Phthalate (DEHP) | IEC 62321-8:2017 Ed.1.0 | GC-MS | 30 mg/kg | 1000 mg/kg |
| | Benzyl butyl Phthalate (BBP) | IEC 62321-8:2017 Ed.1.0 | GC-MS | 30 mg/kg | 1000 mg/kg |
| > | Dibutyl Phthalate (DBP) | IEC 62321-8:2017 Ed.1.0 | GC-MS | 30 mg/kg | 1000 mg/kg |
| | Diisobutyl Phthalate (DIBP) | IEC 62321-8:2017 Ed.1.0 | GC-MS | 30 mg/kg | 1000 mg/kg |
| AThe limit is guested from BoUS Directive (ELI) 2015/962 amending Appear II to Directive 2011 | | | | | 2044 (05 (5)) |

△The limit is quoted from RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

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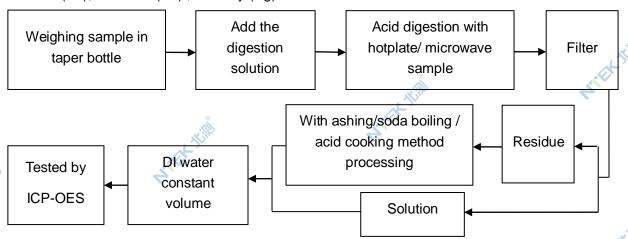
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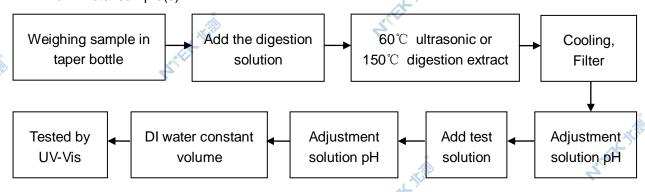
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Test Flow:

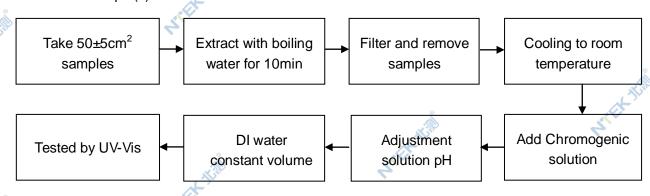
1. Lead(Pb), Cadmium(Cd), Mercury (Hg)



- 2. Hexavalent Chromium(Cr(VI))
- 2.1 Non- metal sample(s)



2.2 Metal sample(s)



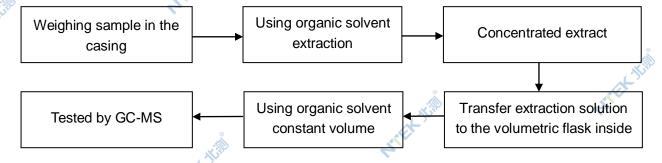
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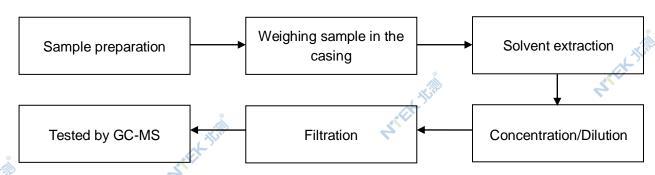
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3. PBBs/ PBDEs



4. Phthalates



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Sample photo(s):



Fig.1 (Finished photo)



Fig.2 (Finished photo)

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Fig.3

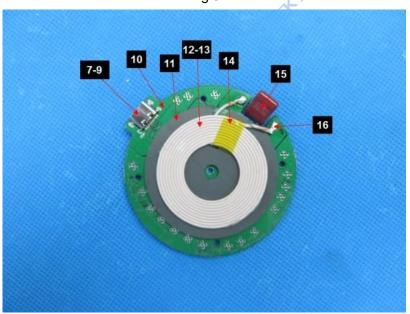


Fig.4

****End of Report****

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