

Test Report

Report No.: AGC00552181203-001

Date: Jan.24, 2019

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Applicant: Shenzhen Huafului Technology Co., Ltd.
Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden),
Address: Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district,
Shenzhen,P.R. China

Report on the submitted sample(s) said to be:

Sample Name: Smart Phone
Sample Model: QUEST
Brand: CUBOT
Manufacturer: Shenzhen Huafului Technology Co., Ltd.
Address: Unit 1401 &1402, 14/F, Jin qi zhi gu mansion (No. 4 building of Chong wen Garden),
Crossing of the Liu xian street and Tang ling road, Tao yuan street, Nan shan district,
Shenzhen,P.R. China
Test site: 1,6/F.,Building 2,No. 1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang,
Baoan District, Shenzhen, Guangdong, China
Sample Received Date: Dec.12, 2018
Testing Period: Dec.12, 2018 to Jan.24, 2019
Test Requested: Please refer to following page(s).
Test Method: Please refer to following page(s).
Test Result: Please refer to following page(s).

Approved by: 
Liulinwen, Lewis
Technical Director



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Test Requested:

1. As specified by client, to determine Lead(Pb), Cadmium(Cd), Mercury(Hg) content accordance with European Directive 2006/66/EC and its amendments 2013/56/EU.
2. As specified by client, to determine the Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs content in the submitted sample in accordance with EU RoHS Directive 2011/65/EU(RoHS) and its amendment directives on XRF and Chemical Method.
- 3.As specified by client, to determine theDBP, BBP,DEHP, DIBP content in the submitted sample in accordance with Directive 2011/65/EU (RoHS) and its amendment directive (EU) 2015/863.

Conclusion

Pass

Pass

Pass

Test Methods:

A: Screening by X-ray Fluorescence Spectrometry (XRF) :With reference to IEC 62321-3-1:2013 Ed 1.0 Screening – Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry

B: Chemical test:

| Test Item | Test Method | Measuring Instrument | MDL |
|--|----------------------------------|----------------------|---------|
| Cadmium (Cd) | IEC 62321-5:2013 Ed 1.0 | ICP-OES | 2 mg/kg |
| Lead (Pb) | IEC 62321-5:2013 Ed 1.0 | ICP-OES | 2 mg/kg |
| Mercury (Hg) | IEC 62321-4: 2013+A1:2017 Ed 1.1 | ICP-OES | 2 mg/kg |
| Non-metal Hexavalent Chromium (Cr ⁶⁺) | IEC 62321-7-2:2017 Ed 1.0 | UV-Vis | 1 mg/kg |
| Metal Hexavalent Chromium (Cr ⁶⁺) | IEC 62321-7-1:2015 Ed 1.0 | UV-Vis | / |
| PBBs/PBDEs | IEC 62321-6:2015 Ed 1.0 | GC-MS | 5 mg/kg |

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Test Result(s):

1. Test result of Lead(Pb), Cadmium(Cd), Mercury(Hg)

Unit: %,w/w

| Test item(s) | Test Method/ Equipment | MDL | Result(s) | Limit |
|--------------|--|--------|-----------|--------|
| | | | 60 | |
| Lead (Pb) | Refer to IEC 62321-5:2013 ICP-OES | 0.0005 | N.D. | — |
| Cadmium (Cd) | | 0.0005 | N.D. | 0.002 |
| Mercury (Hg) | Refer to IEC 62321-4: 2013+A1:2017 ICP-OES | 0.0001 | N.D. | 0.0005 |
| Conclusion | / | / | Pass | / |

Note:

- N.D.=Not Detected(less than method detection limit)
- MDL = Method Detection Limit
- “—” =Not regulated
- As specified by client, only test the designated sample.

Sample Description

| | |
|----|-------------------------|
| 60 | Electric core (battery) |
|----|-------------------------|

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Test Results:

A、 EU RoHS Directive 2011/65/EU and its amendment directives on XRF

| Seq. No. | Tested Part(s) | Results(mg/kg) | | | | |
|----------|--|----------------|----|----|----|----|
| | | Cd | Pb | Hg | Cr | Br |
| 1 | Touch-screen glass(Display) | BL | BL | BL | BL | BL |
| 2 | Metal clapboard(Display) | BL | BL | BL | BL | - |
| 3 | Black plastic frame(Display) | BL | BL | BL | BL | BL |
| 4 | Silver metal plate(Display) | BL | BL | BL | X* | - |
| 5 | Lower diffusion(Display) | BL | BL | BL | BL | BL |
| 6 | Light guide plate(Display) | BL | BL | BL | BL | BL |
| 7 | Black plastic rubber case(Back cover) | BL | BL | BL | BL | BL |
| 8 | Metal LOGO(Back cover) | BL | BL | BL | X* | - |
| 9 | Gray metal sheet(Back cover) | BL | BL | BL | BL | - |
| 10 | Camera lens(Back cover) | BL | BL | BL | BL | BL |
| 11 | Red plastic back cover(Back cover) | BL | BL | BL | BL | BL |
| 12 | Black rubber plug(Back cover) | BL | BL | BL | BL | BL |
| 13 | Fingerprint unlock button(Fingerprint unlocking) | BL | BL | BL | BL | - |
| 14 | FPC(Fingerprint unlocking) | BL | BL | BL | BL | BL |
| 15 | Black dust proof net(Speaker) | BL | BL | BL | BL | BL |
| 16 | Black plastic frame(Speaker) | BL | BL | BL | BL | BL |
| 17 | Silver metal shell(Speaker) | BL | BL | BL | BL | - |
| 18 | Metal contact piece(Speaker) | BL | BL | BL | X* | - |
| 19 | Black screw | BL | BL | BL | X* | - |
| 20 | Silver metal cover | BL | BL | BL | X* | - |
| 21 | Black dust proof net | BL | BL | BL | BL | BL |
| 22 | Black plastic frame | BL | BL | BL | BL | BL |
| 23 | Silver magnet | BL | BL | BL | BL | - |
| 24 | Black cotton stick(Electric machinery) | BL | BL | BL | BL | BL |

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| Seq. No. | Tested Part(s) | Results(mg/kg) | | | | |
|----------|---|----------------|----|----|----|----|
| | | Cd | Pb | Hg | Cr | Br |
| 25 | Silver metal shell(Electric machinery) | BL | BL | BL | BL | - |
| 26 | Red wire jacket(Electric machinery) | BL | BL | BL | BL | BL |
| 27 | Blue wire jacket(Electric machinery) | BL | BL | BL | BL | BL |
| 28 | FPC connecting piece | BL | BL | BL | BL | BL |
| 29 | Black plastic slot | BL | BL | BL | BL | BL |
| 30 | Green PCB board(Electric machinery) | BL | BL | BL | BL | X* |
| 31 | Chip microphone(Electric machinery) | BL | BL | BL | BL | BL |
| 32 | Micro metal connector(Electric machinery) | BL | BL | BL | X* | - |
| 33 | Tin solder(Electric machinery) | BL | BL | BL | BL | - |
| 34 | Black plastic slot(Electric machinery) | BL | BL | BL | BL | BL |
| 35 | Metal contact piece(Electric machinery) | BL | BL | BL | X* | - |
| 36 | Black plastic slot(Rear Camera) | BL | BL | BL | BL | BL |
| 37 | FPC(Rear Camera) | BL | BL | BL | BL | BL |
| 38 | Chip core(Rear Camera) | BL | BL | BL | BL | BL |
| 39 | Black plastic seat(Rear Camera) | BL | BL | BL | BL | BL |
| 40 | Enameled coil(Rear Camera) | BL | BL | BL | BL | - |
| 41 | Black plastic seat(Front camera) | BL | BL | BL | BL | BL |
| 42 | FPC(Front camera) | BL | BL | BL | BL | BL |
| 43 | Silver metal sheet(Front camera) | BL | BL | BL | X* | - |
| 44 | Black wire jacket(Antenna) | BL | BL | BL | BL | BL |
| 45 | Copper terminal(Antenna) | BL | BL | BL | BL | - |
| 46 | Chip IC(Main board) | BL | BL | BL | BL | BL |
| 47 | Black plastic slot(Main board) | BL | BL | BL | BL | BL |
| 48 | Chip grey inductor(Main board) | BL | BL | BL | BL | BL |
| 49 | Chip black inductor(Main board) | BL | BL | BL | BL | BL |
| 50 | Chip LED(Main board) | BL | BL | BL | BL | BL |

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| Seq. No. | Tested Part(s) | Results(mg/kg) | | | | |
|----------|---|----------------|----|----|----|----|
| | | Cd | Pb | Hg | Cr | Br |
| 51 | Chip capacitor(Main board) | BL | BL | BL | BL | BL |
| 52 | Chip resistor(Main board) | BL | BL | BL | BL | BL |
| 53 | Blue PCB board(Main board) | BL | BL | BL | BL | BL |
| 54 | Tin solder(Main board) | BL | BL | BL | BL | - |
| 55 | Black plastic holder(Main board) | BL | BL | BL | BL | BL |
| 56 | Chip IC(Main board) | BL | BL | BL | BL | BL |
| 57 | Metal shield cover(Main board) | BL | BL | BL | X* | - |
| 58 | Black FPC(Battery) | BL | BL | BL | BL | BL |
| 59 | Brown tape(Battery) | BL | BL | BL | BL | BL |
| 61 | Tin solder(Battery) | BL | BL | BL | BL | - |
| 62 | PCB board(Battery) | BL | BL | BL | BL | X* |
| 63 | White plastic shell(Shell) | BL | BL | BL | BL | BL |
| 64 | Metal plug(Shell) | BL | BL | BL | BL | - |
| 65 | Green sleeving(Electrolytic capacitor) | BL | BL | BL | BL | BL |
| 66 | Aluminum shell(Electrolytic capacitor) | BL | BL | BL | BL | - |
| 67 | Black plastic skeleton(Transformer) | BL | BL | BL | BL | BL |
| 68 | Blue tape(Transformer) | BL | BL | BL | BL | BL |
| 69 | Three layer insulation line(Transformer) | BL | BL | BL | BL | BL |
| 70 | Black sleeving(Electrolytic capacitor) | BL | BL | BL | BL | BL |
| 71 | Metal contact piece | BL | BL | BL | BL | - |
| 72 | Black heat shrinkable casing | BL | BL | BL | BL | BL |
| 73 | Brown sleeve(Electrolytic capacitor) | BL | BL | BL | BL | BL |
| 74 | Chromatic ring inductor body(Coloring inductor) | BL | BL | BL | BL | BL |
| 75 | Pin(Coloring inductor) | BL | BL | BL | BL | - |
| 76 | USB metal joint(USB connector) | BL | BL | BL | BL | - |
| 77 | White plastic contact(USB connector) | BL | BL | BL | BL | X* |

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| Seq. No. | Tested Part(s) | Results(mg/kg) | | | | |
|----------|-----------------------------------|----------------|----|----|----|----|
| | | Cd | Pb | Hg | Cr | Br |
| 78 | Black insulated sheet | BL | BL | BL | BL | X* |
| 79 | Chip resistor | BL | BL | BL | BL | BL |
| 80 | Chip IC | BL | BL | BL | BL | BL |
| 81 | Chip capacitor | BL | BL | BL | BL | BL |
| 82 | Chip diode | BL | BL | BL | BL | BL |
| 83 | PCB board | BL | BL | BL | BL | X* |
| 84 | Tin solder | BL | BL | BL | BL | - |
| 85 | White handle(USB plug) | BL | BL | BL | BL | BL |
| 86 | Tin solder(USB plug) | BL | BL | BL | BL | - |
| 87 | White plastic plug(USB plug) | BL | BL | BL | BL | BL |
| 88 | Contact pin(USB plug) | BL | BL | BL | BL | - |
| 89 | USB metal plug(USB plug) | BL | BL | BL | BL | - |
| 90 | Tin solder(TYPE-C plug) | BL | BL | BL | BL | - |
| 91 | Green PCB board(TYPE-C plug) | BL | BL | BL | BL | X* |
| 92 | Black plastic(TYPE-C plug) | BL | BL | BL | BL | BL |
| 93 | Tin plated pin(TYPE-C plug) | BL | BL | BL | BL | - |
| 94 | White plastic plug(TYPE-C plug) | BL | BL | BL | BL | X* |
| 95 | Type-c metal plug(TYPE-C plug) | BL | BL | BL | X* | - |
| 96 | White outer wire jacket(Wire rod) | BL | BL | BL | BL | BL |
| 97 | White wire jacket(Wire rod) | BL | BL | BL | BL | BL |
| 98 | Black wire jacket(Wire rod) | BL | BL | BL | BL | BL |
| 99 | Red wire jacket(Wire rod) | BL | BL | BL | BL | BL |
| 100 | Green wire jacket(Wire rod) | BL | BL | BL | BL | BL |

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Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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| Element | Unit | Non-metal | Metal | Composite Material |
|---------|-------|----------------------------|----------------------------|----------------------------|
| Cd | mg/kg | BL≤70-3σ<X <130+3σ≤OL | BL≤70-3σ<X <130+3σ≤OL | BL≤50-3σ<X <150+3σ≤OL |
| Pb | mg/kg | BL≤700-3σ<X <1300+3σ≤OL | BL≤700-3σ<X <1300+3σ≤OL | BL≤500-3σ<X <1500+3σ≤OL |
| Hg | mg/kg | BL≤700-3σ<X <1300+3σ≤OL | BL≤700-3σ<X <1300+3σ≤OL | BL≤500-3σ<X <1500+3σ≤OL |
| Cr | mg/kg | BL≤700-3σ<X | BL≤700-3σ<X | BL≤500-3σ<X |
| Br | mg/kg | BL≤300-3σ<X | - | BL≤250-3σ<X |

Note: BL= Below Limit

OL= Over limited

X= Inconclusive

“-“= Not regulated

*= Scanning by XRF and detected by chemical method. The test results of chemical method please refer to next pages.

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Remark:

- i Results were obtained by XRF for primary scanning, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the above warning value according to IEC 62321-3-1:2013 Ed 1.0.
- ii The XRF scanning test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
- iii The maximum permissible limit is quoted from RoHS directive 2011/65/EU:

| RoHS Restricted Substances | Maximum Concentration Value (mg/kg) (by weight in homogenous materials) |
|---------------------------------------|--|
| Cadmium (Cd) | 100 |
| Lead (Pb) | 1000 |
| Mercury (Hg) | 1000 |
| Hexavalent Chromium (Cr(VI)) | 1000 |
| Polybrominated biphenyls (PBBs) | 1000 |
| Polybrominated diphenylethers (PBDEs) | 1000 |

Disclaimers:

This XRF Scanning report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF scanning report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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B、 The Test Results of Chemical Method:

1)The Test Results of metal Cr⁶⁺

| Test Item(s) | MDL | Result(s) | | | | | Limit |
|---|----------|-----------|----------|----------|----------|----------|-------|
| | | 4 | 8 | 18 | 19 | 20 | |
| Hexavalent Chromium (Cr ⁶⁺) | See note | Negative | Negative | Negative | Negative | Negative | # |

| Test Item(s) | MDL | Result(s) | | | | | Limit |
|---|----------|-----------|----------|----------|----------|----------|-------|
| | | 32 | 35 | 43 | 57 | 95 | |
| Hexavalent Chromium (Cr ⁶⁺) | See note | Negative | Negative | Negative | Negative | Negative | # |

Note:

- Negative = Absence of Cr(VI) on the tested areas
- MDL = Method Detection Limit
- Boiling-water-extraction:

| Number | Colorimetric result (Cr(VI) concentration) | Qualitative result |
|--------|---|--|
| 1 | The sample solution is < the 0,10 µg/cm ² equivalent comparison standard solution | The sample is negative for Cr(VI) – The Cr(VI) concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating. |
| 2 | The sample solution is ≥ the 0,10 µg/cm ² and ≤ the 0,13 µg/cm ² equivalent comparison standard solutions | The result is considered to be inconclusive – Unavoidable coating variations may influence the determination. |
| 3 | The sample solution is > the 0,13 µg/cm ² equivalent comparison standard solution | The sample is positive for Cr(VI) – The Cr(VI) concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI). |

- # =Negative indicates the absence of Cr(VI) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.
- Uncertainty indicates the absence of Cr(VI) on the tested areas unavoidable coating variations may influence the determination.
- Positive indicates the presence of Cr(VI) on the tested areas concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).
- Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.

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2) The Test Results of PBBs & PBDEs

Unit: mg/kg

| Item(s) | MDL | Result(s) | | | | | | Limit |
|--|-----|-------------|-------------|-------------|-------------|-------------|-------------|------------------------------|
| | | 30 | 62 | 77 | 78 | 83 | 91 | |
| Polybrominated Biphenyls (PBBs) | | | | | | | | |
| Monobromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | Total PBBs Content <1000 |
| Dibromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Tribromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Tetrabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Pentabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Hexabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Heptabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Octabromobiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Nonabromodiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Decabromodiphenyl | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Total content | / | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Polybrominated Diphenylethers (PBDEs) | | | | | | | | |
| Monobromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | Total PBDEs Content <1000 |
| Dibromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Tribromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Tetrabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Pentabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Hexabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Heptabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Octabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Nonabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Decabromodiphenyl ether | 5 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Total content | / | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | |
| Conclusion | / | Pass | Pass | Pass | Pass | Pass | Pass | / |

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Unit: mg/kg

| Item(s) | MDL | Result(s) | Limit |
|--|-----|-------------|---------------------------|
| | | 94 | |
| Polybrominated Biphenyls (PBBs) | | | |
| Monobromobiphenyl | 5 | N.D. | Total PBBs Content <1000 |
| Dibromobiphenyl | 5 | N.D. | |
| Tribromobiphenyl | 5 | N.D. | |
| Tetrabromobiphenyl | 5 | N.D. | |
| Pentabromobiphenyl | 5 | N.D. | |
| Hexabromobiphenyl | 5 | N.D. | |
| Heptabromobiphenyl | 5 | N.D. | |
| Octabromobiphenyl | 5 | N.D. | |
| Nonabromodiphenyl | 5 | N.D. | |
| Decabromodiphenyl | 5 | N.D. | |
| Total content | / | N.D. | |
| Polybrominated Diphenylethers (PBDEs) | | | |
| Monobromodiphenyl ether | 5 | N.D. | Total PBDEs Content <1000 |
| Dibromodiphenyl ether | 5 | N.D. | |
| Tribromodiphenyl ether | 5 | N.D. | |
| Tetrabromodiphenyl ether | 5 | N.D. | |
| Pentabromodiphenyl ether | 5 | N.D. | |
| Hexabromodiphenyl ether | 5 | N.D. | |
| Heptabromodiphenyl ether | 5 | N.D. | |
| Octabromodiphenyl ether | 5 | N.D. | |
| Nonabromodiphenyl ether | 5 | N.D. | |
| Decabromodiphenyl ether | 5 | N.D. | |
| Total content | / | N.D. | |
| Conclusion | / | Pass | / |

Note: N.D. = Not Detected or less than MDL

MDL = Method Detection Limit

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Tel: +86-755 8358 3833 Fax: +86-755 2531 6612 E-mail: agc01@agc-cert.com 400 089 2118
Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

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3.Test result of DBP, BBP, DEHP, DIBP content

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 1 | 3 | 5 | 6 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 7 | 10 | 11 | 12 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 14 | 15 | 16 | 21 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

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Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 22 | 24 | 26 | 27 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 28 | 29 | 30 | 31 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 34 | 36 | 37 | 38 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

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Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 39 | 41 | 42 | 44 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 46 | 47 | 48 | 49 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 50 | 51 | 52 | 53 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

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Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 55 | 56 | 58 | 59 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 62 | 63 | 65 | 67 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 68 | 69 | 70 | 72 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

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Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 73 | 74 | 77 | 78 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 79 | 80 | 81 | 82 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 83 | 85 | 87 | 91 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

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Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------------|-------|
| | | | 92 | 94 | 96 | 97 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | Pass | / |

Unit: mg/kg

| Test Item(s) | Test Method/ Equipment | MDL | Result(s) | | | Limit |
|------------------------------------|---------------------------------------|-----|-------------|-------------|-------------|-------|
| | | | 98 | 99 | 100 | |
| Di-(2-ethylhexyl) Phthalate (DEHP) | Refer to IEC 62321-8:2017 GC-MS | 50 | N.D. | N.D. | N.D. | 1000 |
| Dibutyl phthalate (DBP) | | 50 | N.D. | N.D. | N.D. | 1000 |
| Butylbenzyl phthalate (BBP) | | 50 | N.D. | N.D. | N.D. | 1000 |
| Di-iso-butyl phthalate (DIBP) | | 50 | N.D. | N.D. | N.D. | 1000 |
| Conclusion | | / | Pass | Pass | Pass | / |

- Note:**
1. MDL=Method Detection Limit
 2. N.D.=Not Detected(less than method detection limit)

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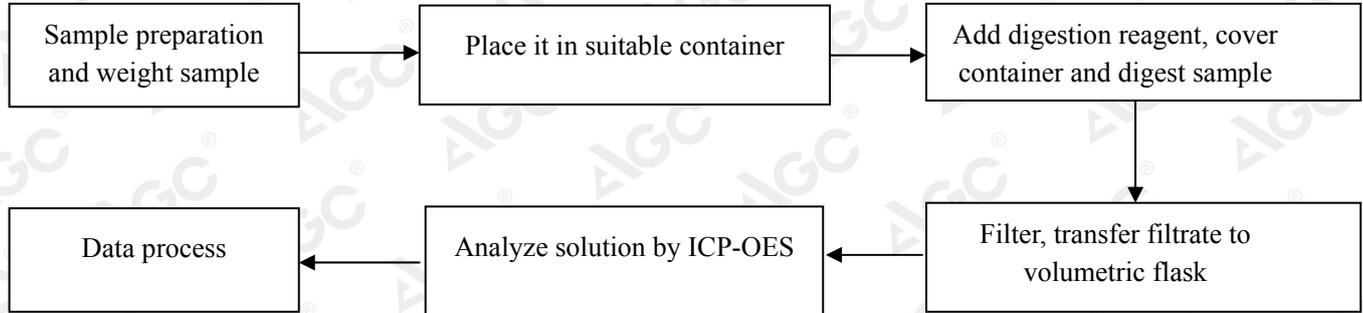
Report No.: AGC00552181203-001

Date: Jan.24, 2019

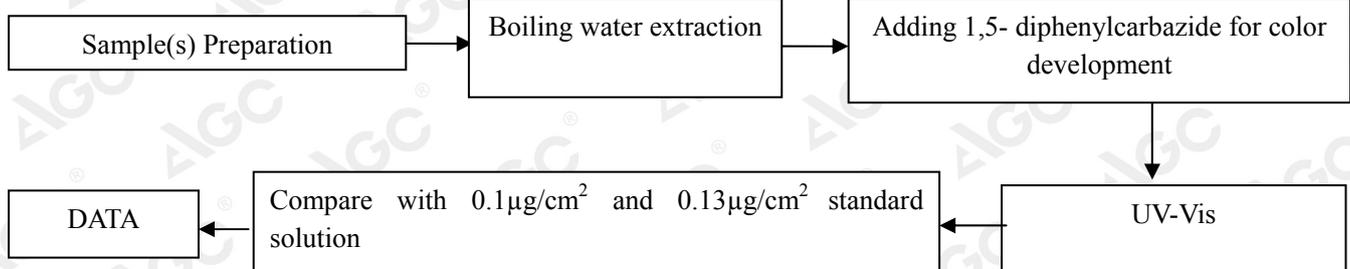
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Test Flow Chart

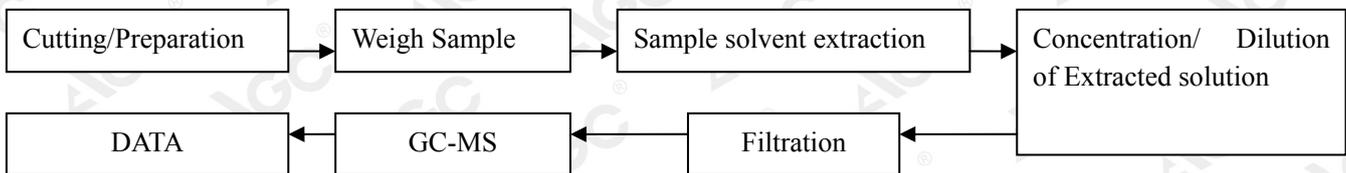
1. For Lead(Pb), Cadmium(Cd), Mercury(Hg)(2006/66/EC)



2. For metal Cr(VI)



3. For PBBs, PBDEs, DBP, BBP, DEHP, DIBP



Test result on specimen No.93 was resubmitted on Jan.03, 2019.

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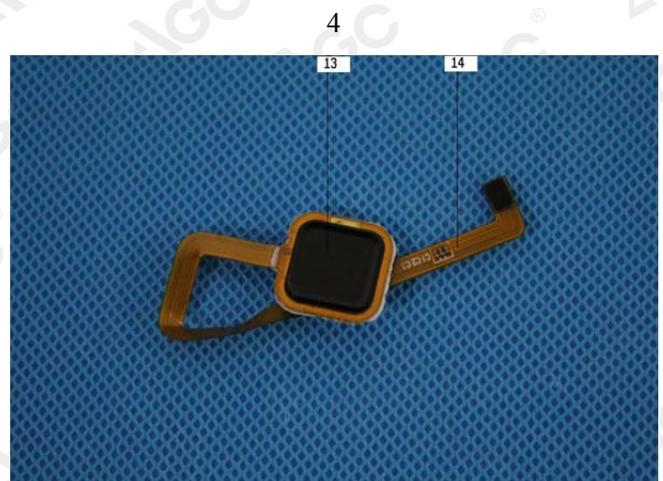
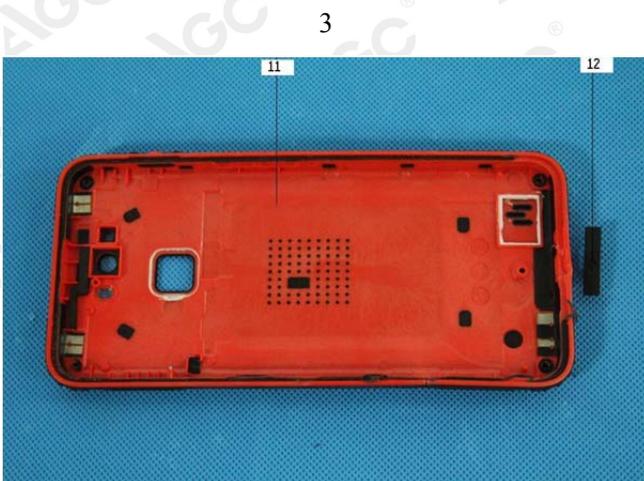
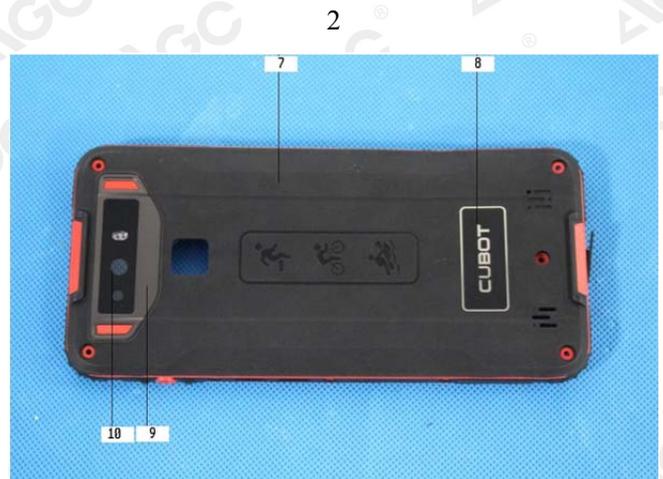
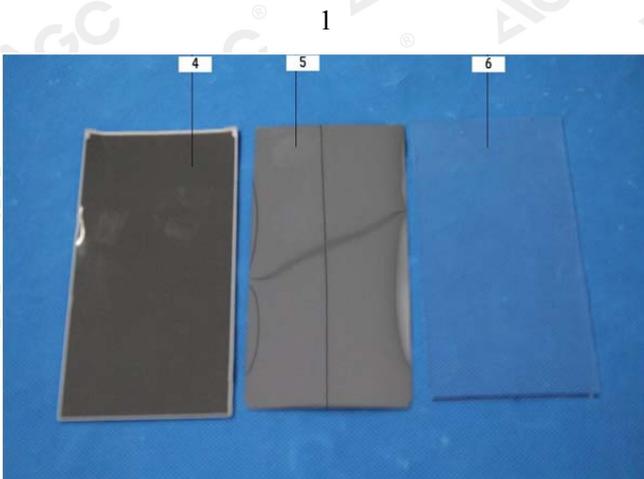
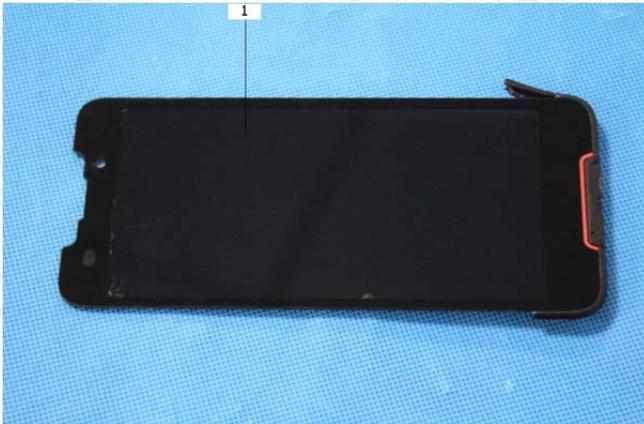
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The photo of the sample



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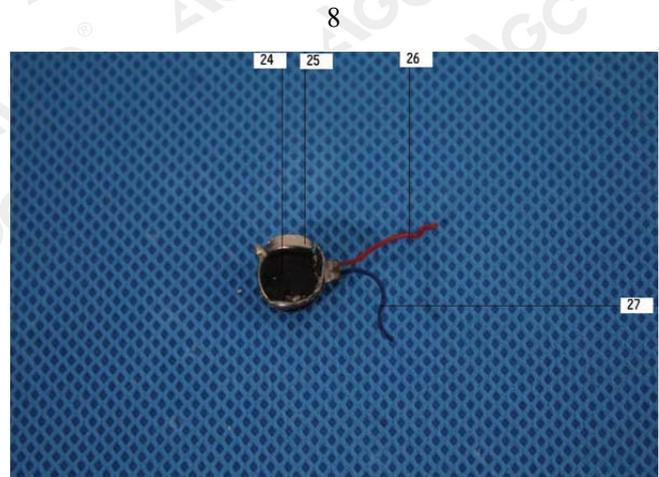
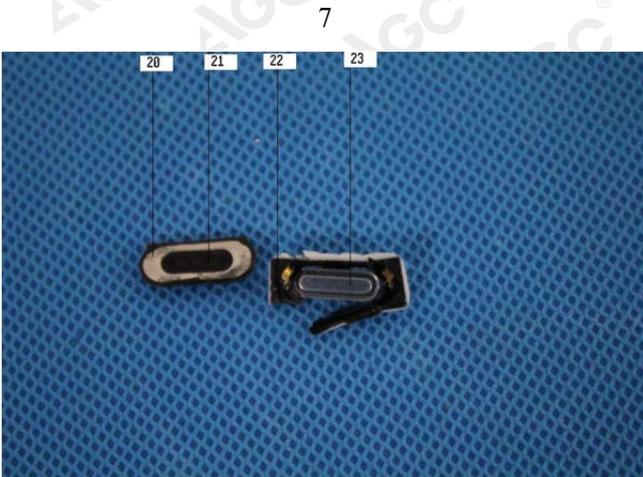
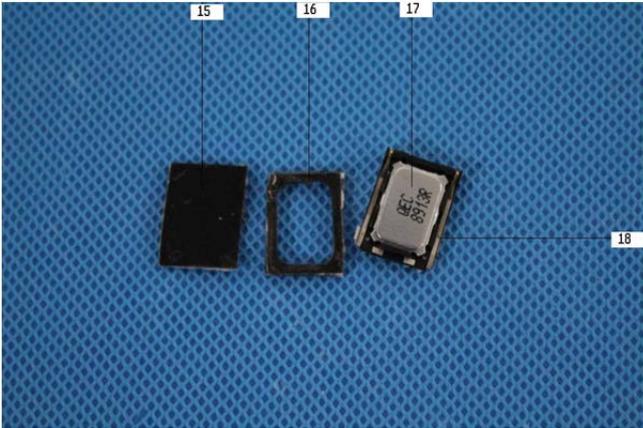


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Add: Building 2, No.171, Meihua Road, Shangmeilin, Futian District, Shenzhen, Guangdong China

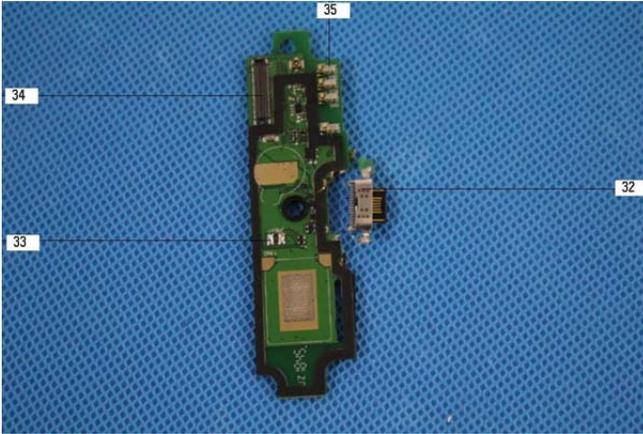
No.18 C

Test Report

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Date: Jan.24, 2019

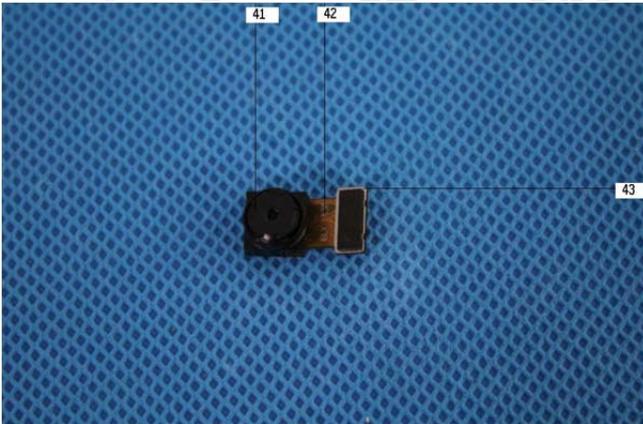
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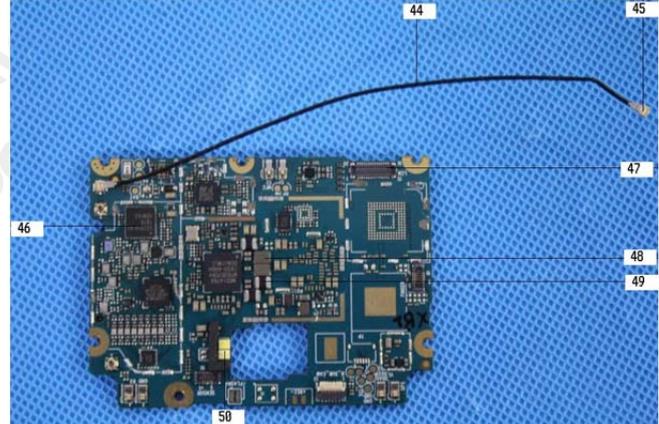
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14



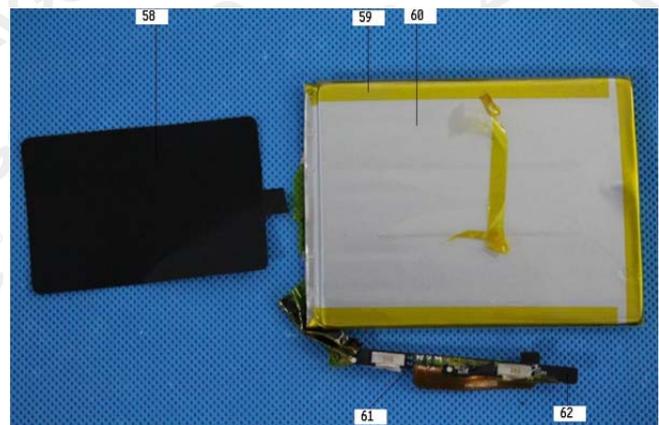
15



16



17



18

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No.18 C

Test Report

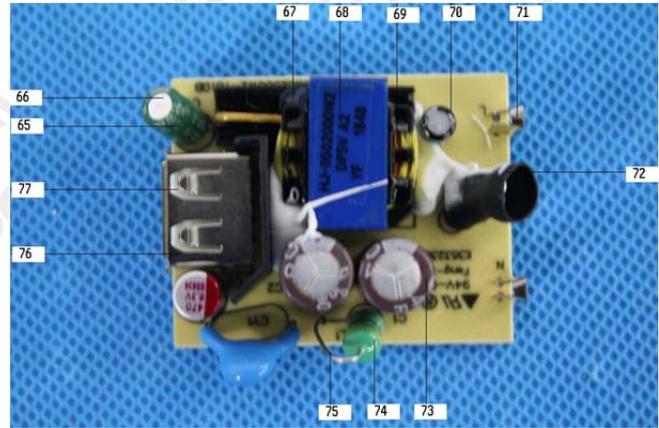
Report No.: AGC00552181203-001

Date: Jan.24, 2019

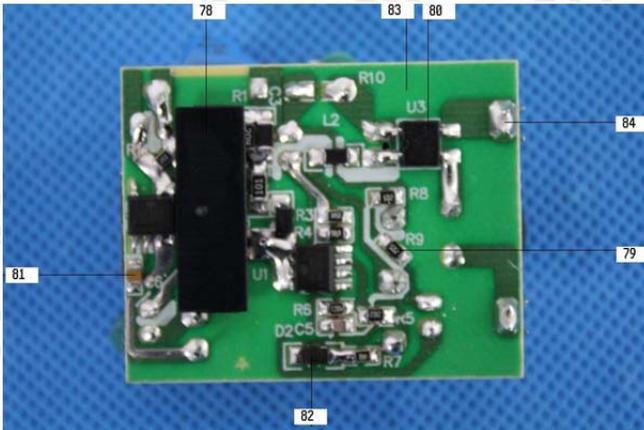
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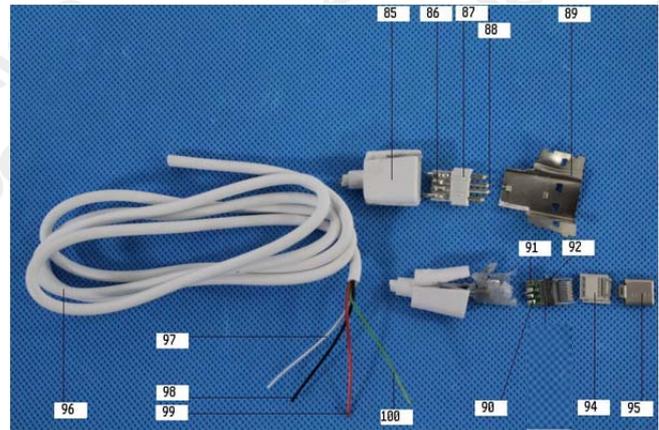
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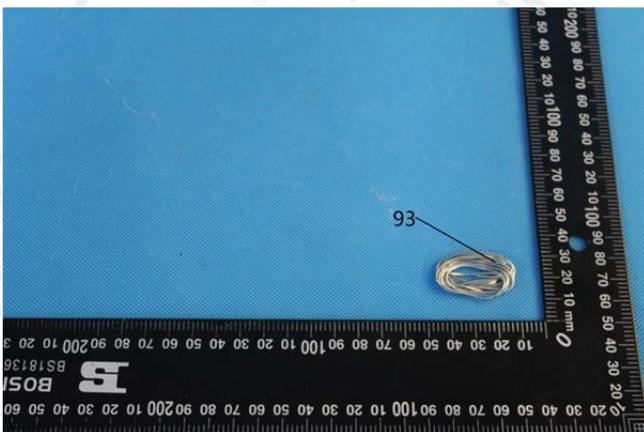
20



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