



Test Report

Report No. ESTC-190819004
Date: 27 Sep 2019
Page 1 of 19

APPLICANT : **Shenzhen Interthings Technology Co., Ltd.**
Room 303-305, T3 Building, Silicon Valley Compound,
Longhua District, Shenzhen, China.

DATE OF SUBMISSION : 19 Aug 2019

TEST PERIOD : 19 Aug 2019 to 27 Sep 2019

SAMPLE DESCRIPTION : IP Camera

Model No. : IPC159

Buyer: /

Trade name : OKAA

Other information : /

SUMMARY OF TEST RESULTS

| TEST REQUESTED | CONCLUSION | REMARK |
|--|------------|--------|
| European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) | PASS | - |
| Phthalates Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments up to EU No. 2015/ 863 Annex II | PASS | - |

GUANGDONG EST
TECHNOLOGY CO., LTD.

Spark Zhang
Manager, Chemical Department



REMARK

If there are questions or concerns on this report, please contact the following persons:

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Business Contact: (86) 83081888

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1. Material List

| Test Item(s) | Sample Photo | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|---|---|---------------------------|-------------------------|
| 001 |  | White plastic | Case, IP camera | - |
| 002 | | White plastic | Cover, IP camera | - |
| 003 | | White plastic | Holder, IP camera | - |
| 004 | | Silvery metal | AC plug | - |
| 005 | | Translucent glue | Glue | - |
| 006 | | Black coated silvery metal | Screw, case, IP camera | - |
| 007 | | Red/white plastic | Switching, case IP camera | - |
| 008 |  | White plastic | Case, camera head | - |
| 009 | | White plastic | Holder, camera head | - |
| 010 | | Black coated silvery metal | Case, camera head | - |
| 011 | | Transparent color body | Glass patch | - |
| 012 | | Transparent body | Camera head | - |
| 013 | | Black plastic | Holder, camera | - |
| 014 | |  | Blue plastic | Patch, information belt |
| 015 | Blue printed white plastic | | Information belt | - |
| 016 | Black plastic | | Protection sleeve | - |
| 017 | White plastic | | Connector | - |
| 018 | Black plastic | | Holder, connector | - |
| 019 | Silvery metal | | Horn, connector | - |
| 020 | Transparent body | | U11 | - |
| 021 | Black body | | SMD diode | - |

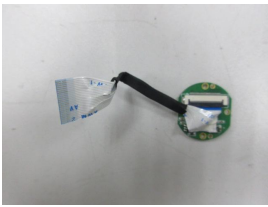

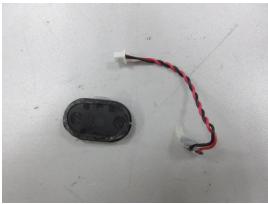


Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 3 of 19

| Test Item(s) | Sample Photo | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|--|---|-----------------|-----------|
| 022 |  | Black body | SMD IC | - |
| 023 | | Brown body | SMD capacitor | - |
| 024 | | Green plastic | PCB | - |
| 025 |  | Black plastic with adhesive | Adhesive tape | - |
| 026 | | Silvery metal | Case, antenna | - |
| 027 | | White plastic | Ring, antenna | - |
| 028 | | Black soft plastic | Sleeve, antenna | - |
| 029 | | Silvery metal | Gasket, antenna | - |
| 030 | | Silvery solder | Solder, PCB | - |
| 031 | | Green plastic | PCB | - |
| 032 | | Black printed coppery plastic | Adhesive tape | - |
| 033 | | Silvery metal | Screw | - |
| 034 | |  | White plastic | Connector |
| 035 | Silvery metal | | Horn, connector | - |
| 036 | Red soft plastic | | Insulation | - |
| 037 | Black soft plastic | | Insulation | - |
| 038 | Silvery metal | | Wire | - |
| 039 | Black plastic | | Frame, speaker | - |
| 040 | Silvery metal | | Magnet | - |
| 041 | Silvery metal | | Cover, speaker | - |
| 042 | Transparent plastic | | Dust cap | - |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 4 of 19

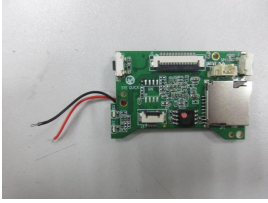
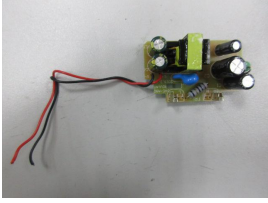
| Test Item(s) | Sample Photo | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|---|---------------------------------|-----------------------|----------|
| 043 |  | Coppery metal | Coil of speaker | - |
| 044 | | Black plastic | Net, speaker | - |
| 045 | | Black glue | Glue | - |
| 046 | | Silvery solder | Solder, contact plate | - |
| 047 |  | Gray soft plastic | Cable jacket | - |
| 048 | | Transparent plastic | Insulation | - |
| 049 | | Silvery metal | Wire | - |
| 050 | | Silvery solder | Solder ,wire | - |
| 051 | | Coppery metal | Information belt | - |
| 052 | | Silvery metal | Patch | - |
| 053 | | Black soft foam with adhesive | Adhesive tape | - |
| 054 | | Green plastic | PCB | - |
| 055 |  | Red soft plastic | Insulation | - |
| 056 | | Black soft plastic | Insulation | - |
| 057 | | Silvery metal | Wire | - |
| 058 | | Silvery metal | Case, SD card, PCB | - |
| 059 | | Black plastic | Holder, SD card, PCB | - |
| 060 | | Silvery metal | Horn, SD card, PCB | - |
| 061 | | Transparent white plastic | LED | - |
| 062 | | Black plastic | Button, PCB | - |
| 063 | | Silvery metal | Case, button, PCB | - |

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Test Report

Report No. ESTC-190819004
Date: 27 Sep 2019
Page 5 of 19

| Test Item(s) | Sample Photo | Item / Component Description(s) | Location(s) | Style(s) | |
|--------------|---|---|-------------------------------|------------|---|
| 064 |  | White plastic | Holder, button, PCB | - | |
| 065 | | Silvery metal | Gasket, button, PCB | - | |
| 066 | | Silvery metal | Horn, button, PCB | - | |
| 067 | | Rice white plastic | Connector | - | |
| 068 | | Silvery metal | Horn, connector | - | |
| 069 | | Black body | SMD IC | - | |
| 070 | | Black body | SND board | - | |
| 071 | | Gray body | SMD inductance | - | |
| 072 | | Black body | SMD diode | - | |
| 073 | | Brown body | SMD capacitor | - | |
| 074 | | Silvery solder | Solder, PCB | - | |
| 075 | | Green plastic | PCB | - | |
| 076 | |  | Red soft plastic | Insulation | - |
| 077 | | | Black soft plastic | Insulation | - |
| 078 | Silvery metal | | Wire | - | |
| 079 | White printed black plastic | | Electrolytic capacitor sleeve | - | |
| 080 | Silvery metal | | Electrolytic capacitor shell | - | |
| 081 | Black soft plastic | | Rubber seal | - | |
| 082 | Grey metal | | Aluminum foil | - | |
| 083 | Silvery metal | | Aluminum foil | - | |
| 084 | Brown paper | Electrolytic paper | - | | |

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| Test Item(s) | Sample Photo | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|---|---------------------------------|-------------------------------|----------|
| 085 |  | Silvery metal | Pin of electrolytic capacitor | - |
| 086 | | Coppery printed green plastic | Electrolytic capacitor sleeve | - |
| 087 | | Yellow plastic with adhesive | Adhesive tape of transformer | - |
| 088 | | Black plastic | Frame of transformer | - |
| 089 | | Coppery metal | Wire | - |
| 090 | | Black metal | Magnet | - |
| 091 | | Coppery metal | Coil of transformer | - |
| 092 | | Green body | Inductance | - |
| 093 | | Gray body | FR1 | - |
| 094 | | Blue body | Capacitor | - |
| 095 | | Silvery metal | AC contact plate | - |
| 096 | | Black body | SMD BD1 | - |
| 097 | | Silvery solder | Solder, PCB | - |
| 098 | | Brown printed green plastic | PCB | - |
| 099 |  | Transparent soft plastic | Ring | - |
| 100 |  | Black plastic | Case, IP camera | - |
| 101 | | Black plastic | Cover, IP camera | - |
| 102 | | Black plastic | Holder, IP camera | - |
| 103 | | Silvery metal | AC plug | - |



Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 7 of 19

| Test Item(s) | Sample Photo | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|---|---------------------------------|---------------------|----------|
| 104 | A photograph showing several black plastic components of an IP camera. On the left is a cylindrical cover. In the center is a larger, rectangular case with a circular opening. To the right are two small, spherical camera heads. Below these are two small, black plastic buttons. | Bright black plastic | Cover, IP camera | - |
| 105 | | Bright black plastic | Case, camera head | - |
| 106 | | Black plastic | Holder, camera head | - |
| 107 | | Black plastic | Button, IP camera | - |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 8 of 19

2. Test Result

2.1: XRF Screening test results

Test Method: Cadmium, Lead, Mercury, Chromium, Bromine

-With reference to IEC 62321-3-1: 2013 -XRF Screening Procedure

Instrument: Energy dispersive X-ray fluorescence spectrometer

| Material No. | ppm[mg/kg] | | | | |
|--------------|---------------|-----|------|------------|-------------------------|
| | Pb | Cd | Hg | Cr | Br |
| | Limit (mg/kg) | | | | |
| | 1000 | 100 | 1000 | Cr VI:1000 | PBB: 1000 PBDE: 1000 |
| 001 | ND | ND | ND | ND | ND |
| 002 | ND | ND | ND | ND | D(*1) |
| 003 | ND | ND | ND | ND | ND |
| 004 | ND | ND | ND | ND | NA |
| 005 | ND | ND | ND | ND | ND |
| 006 | ND | ND | ND | D(*3) | NA |
| 007 | ND | ND | ND | ND | ND |
| 008 | ND | ND | ND | ND | ND |
| 009 | ND | ND | ND | ND | ND |
| 010 | ND | ND | ND | D(*3) | NA |
| 011 | ND | ND | ND | ND | ND |
| 012 | ND | ND | ND | ND | ND |
| 013 | ND | ND | ND | ND | ND |
| 014 | ND | ND | ND | ND | ND |
| 015 | ND | ND | ND | ND | D(*1) |
| 016 | ND | ND | ND | ND | ND |
| 017 | ND | ND | ND | ND | ND |
| 018 | ND | ND | ND | ND | ND |
| 019 | ND | ND | ND | ND | NA |
| 020 | ND | ND | ND | ND | ND |
| 021 | ND | ND | ND | ND | ND |
| 022 | ND | ND | ND | ND | ND |
| 023 | ND | ND | ND | ND | ND |
| 024 | ND | ND | ND | ND | D(*1) |
| 025 | ND | ND | ND | ND | ND |
| 026 | ND | ND | ND | ND | NA |
| 027 | ND | ND | ND | ND | ND |
| 028 | ND | ND | ND | ND | ND |
| 029 | ND | ND | ND | ND | NA |
| 030 | ND | ND | ND | ND | NA |
| 031 | ND | ND | ND | ND | D(*1) |
| 032 | ND | ND | ND | ND | ND |
| 033 | ND | ND | ND | D(*3) | NA |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 9 of 19

| | | | | | |
|-----|------|----|----|-------|-------|
| 034 | ND | ND | ND | ND | ND |
| 035 | ND | ND | ND | ND | NA |
| 036 | ND | ND | ND | ND | ND |
| 037 | ND | ND | ND | ND | ND |
| 038 | ND | ND | ND | ND | NA |
| 039 | ND | ND | ND | ND | ND |
| 040 | ND | ND | ND | ND | NA |
| 041 | ND | ND | ND | ND | NA |
| 042 | ND | ND | ND | ND | ND |
| 043 | ND | ND | ND | ND | NA |
| 044 | ND | ND | ND | ND | ND |
| 045 | ND | ND | ND | ND | ND |
| 046 | <500 | ND | ND | ND | NA |
| 047 | ND | ND | ND | ND | ND |
| 048 | ND | ND | ND | ND | ND |
| 049 | ND | ND | ND | ND | NA |
| 050 | ND | ND | ND | ND | NA |
| 051 | ND | ND | ND | ND | NA |
| 052 | ND | ND | ND | D(*3) | NA |
| 053 | ND | ND | ND | ND | ND |
| 054 | ND | ND | ND | ND | D(*1) |
| 055 | ND | ND | ND | ND | ND |
| 056 | ND | ND | ND | ND | ND |
| 057 | ND | ND | ND | ND | NA |
| 058 | ND | ND | ND | D(*3) | NA |
| 059 | ND | ND | ND | ND | ND |
| 060 | ND | ND | ND | ND | NA |
| 061 | ND | ND | ND | ND | ND |
| 062 | ND | ND | ND | ND | ND |
| 063 | ND | ND | ND | ND | NA |
| 064 | ND | ND | ND | ND | ND |
| 065 | ND | ND | ND | ND | NA |
| 066 | ND | ND | ND | ND | NA |
| 067 | ND | ND | ND | ND | ND |
| 068 | ND | ND | ND | ND | NA |
| 069 | ND | ND | ND | ND | ND |
| 070 | ND | ND | ND | ND | ND |
| 071 | ND | ND | ND | ND | ND |
| 072 | ND | ND | ND | ND | ND |
| 073 | ND | ND | ND | ND | ND |
| 074 | ND | ND | ND | ND | NA |
| 075 | ND | ND | ND | ND | D(*1) |
| 076 | ND | ND | ND | ND | ND |
| 077 | ND | ND | ND | ND | ND |
| 078 | ND | ND | ND | ND | NA |
| 079 | ND | ND | ND | ND | ND |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 10 of 19

| | | | | | |
|-----|------|----|----|----|-------|
| 080 | ND | ND | ND | ND | NA |
| 081 | ND | ND | ND | ND | ND |
| 082 | ND | ND | ND | ND | NA |
| 083 | ND | ND | ND | ND | NA |
| 084 | ND | ND | ND | ND | ND |
| 085 | ND | ND | ND | ND | NA |
| 086 | ND | ND | ND | ND | ND |
| 087 | ND | ND | ND | ND | ND |
| 088 | ND | ND | ND | ND | ND |
| 089 | ND | ND | ND | ND | NA |
| 090 | ND | ND | ND | ND | NA |
| 091 | ND | ND | ND | ND | NA |
| 092 | ND | ND | ND | ND | ND |
| 093 | ND | ND | ND | ND | ND |
| 094 | ND | ND | ND | ND | ND |
| 095 | ND | ND | ND | ND | NA |
| 096 | ND | ND | ND | ND | ND |
| 097 | <500 | ND | ND | ND | NA |
| 098 | ND | ND | ND | ND | D(*1) |
| 099 | ND | ND | ND | ND | ND |
| 100 | ND | ND | ND | ND | ND |
| 101 | ND | ND | ND | ND | ND |
| 102 | ND | ND | ND | ND | ND |
| 103 | ND | ND | ND | ND | NA |
| 104 | ND | ND | ND | ND | ND |
| 105 | ND | ND | ND | ND | ND |
| 106 | ND | ND | ND | ND | ND |
| 107 | ND | ND | ND | ND | ND |

Remark:

-mg/kg is equal to ppm (parts per million)

(*1) The screening result was found in the inconclusive region, thus the further wet chemistry tests are suggested.

(*2) The screening result was found above the limit, thus the further wet chemistry tests are suggested.

(*3) The chromium screening result was found in the inconclusive region, thus the further wet chemistry tests are suggested.

Guidelines: XRF Screening limits for different matrices

| Materials | Concentration (ppm) | | | | |
|------------|--------------------------------|--------------------|----------------------------------|----------------------------------|-------------------|
| | Cd | Cr | Pb | Hg | Br |
| Metallic | $BL \leq 70 < X \leq 130 < OL$ | $BL \leq 700 < OL$ | $BL \leq 700 < X \leq 1300 < OL$ | $BL \leq 700 < X \leq 1300 < OL$ | NA |
| Polymeric | $BL \leq 70 < X \leq 130 < OL$ | $BL \leq 700 < OL$ | $BL \leq 700 < X \leq 1300 < OL$ | $BL \leq 700 < X \leq 1300 < OL$ | $BL \leq 200 < X$ |
| Electronic | $DL < X \leq 150 < OL$ | $BL \leq 500 < OL$ | $BL \leq 700 <$ | $BL \leq 500 <$ | $BL \leq 200 < X$ |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 11 of 19

| | | | | | |
|------------|--|--|--------------------|--------------------|--|
| Components | | | $X \leq 1300 < OL$ | $X \leq 1500 < OL$ | |
|------------|--|--|--------------------|--------------------|--|

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 12 of 19

2.2: Confirmation Test Results

Test Methods: for total Lead, Cadmium, Mercury

-Ref. to IEC 62321-4: 2013 & IEC 62321-5: 2013, analysis was performed by ICP-AES or AAS.

For Hexavalent Chromium

-Ref. to IEC 62321-7-1: 2015, analysis was performed by Spot-test and water-boiling procedure.(Metal)

-Ref. to IEC 62321-7-2: 2017, analysis was performed by UV/VIS(Polymeric and electronics).

-Ref. to International Standard ISO 17075: 2007(Leather and other materials).

For PBBs, PBDEs-Ref. to IEC 62321-6: 2015, analysis was performed by GC-MS.

| | Pb | Cd | Hg | Cr(VI) | PBBs | PBDEs |
|-------------------|------|-----|------|--------|------|-------|
| Limit ppm (mg/kg) | 1000 | 100 | 1000 | 1000 | 1000 | 1000 |

| Material No. | ppm(mg/kg) | | | | | |
|--------------|------------|----|----|----------|------|-------|
| | Pb | Cd | Hg | Cr(VI) | PBBs | PBDEs |
| 002 | - | - | - | - | ND | ND |
| 006 | - | - | - | Negative | - | - |
| 010 | - | - | - | Negative | - | - |
| 015 | - | - | - | - | ND | ND |
| 024 | - | - | - | - | ND | ND |
| 031 | - | - | - | - | ND | ND |
| 033 | - | - | - | Negative | - | - |
| 052 | - | - | - | Negative | - | - |
| 054 | - | - | - | - | ND | ND |
| 058 | - | - | - | Negative | - | - |
| 075 | - | - | - | - | ND | ND |
| 098 | - | - | - | - | ND | ND |

Note / Key:

ND = Not Detected

“D” = detected

“BL” = below Limit

“X” = Inconclusive Range

“DL” = Detection Limit

“OL” = over Limit

NA = Not Applicable

10000 mg/kg = 1 %

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

Detection Limit : See Appendix.



Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 13 of 19

2.3: Detection Limit

| List of Analytes Detection Limit and Maximum Allowable Limit Compliance Test for European Council Directive 2011/65/EU : | | | | | | | |
|--|--|---|----------------------------|--------|---------------------------|--------------------------------|---------------------------------|
| No. | Name of Analytes | Detection Limit (mg/kg) | | | | Wet Chemistry | Maximum Allowable Limit (mg/kg) |
| | | X-ray fluorescence (XRF) ^[a] | | | | | |
| | | Plastic | Metallic / glass / ceramic | Others | | | |
| 1 | Lead (Pb) | 100 | 200 | 200 | 10 | 1000 | |
| 2 | Cadmium (Cd) | 50 | 50 | 50 | 10 | 100 | |
| 3 | Mercury (Hg) | 100 | 200 | 200 | 10 | 1000 | |
| 4 | Chromium (Cr) | 100 | 200 | 200 | NA | NA | |
| 5 | Chromium VI (Cr VI) | NA | NA | NA | 10 /Sec ^[a, b] | 1000 / Negative ^[b] | |
| 6 | Bromine (Br) | 200 | NA | 200 | NA | NA | |
| 7 | Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB) | NA | NA | NA | Each 50 | Sum 1000 | |
| 8 | Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE) | NA | NA | NA | Each 50 | Sum 1000 | |
| [a] | The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples. | | | | | | |
| [b] | Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1). | | | | | | |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 14 of 19

BBP/DBP/DEHP/DIBP Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments up to EU No. 2015/ 863 Annex II

Test Methods:

With reference to International Standard IEC 62321-8, Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

| Test Item(s) | Item / Component Description(s) | Location(s) | Style(s) |
|--------------|---------------------------------|---------------------------|----------|
| 001 | White plastic | Case, IP camera | - |
| 002 | White plastic | Cover, IP camera | - |
| 003 | White plastic | Holder, IP camera | - |
| 005 | Translucent glue | Glue | - |
| 007 | Red/white plastic | Switching, case IP camera | - |
| 008 | White plastic | Case, camera head | - |
| 009 | White plastic | Holder, camera head | - |
| 013 | Black plastic | Holder, camera | - |
| 014 | Blue plastic | Patch, information belt | - |
| 015 | Blue printed white plastic | Information belt | - |
| 016 | Black plastic | Protection sleeve | - |
| 017 | White plastic | Connector | - |
| 018 | Black plastic | Holder, connector | - |
| 024 | Green plastic | PCB | - |
| 025 | Black plastic with adhesive | Adhesive tape | - |
| 027 | White plastic | Ring, antenna | - |
| 028 | Black soft plastic | Sleeve, antenna | - |
| 031 | Green plastic | PCB | - |
| 032 | Black printed coppery plastic | Adhesive tape | - |
| 034 | White plastic | Connector | - |
| 036 | Red soft plastic | Insulation | - |
| 037 | Black soft plastic | Insulation | - |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 15 of 19

| | | | |
|-----|-------------------------------|-------------------------------|---|
| 039 | Black plastic | Frame, speaker | - |
| 042 | Transparent plastic | Dust cap | - |
| 044 | Black plastic | Net, speaker | - |
| 045 | Black glue | Glue | - |
| 047 | Gray soft plastic | Cable jacket | - |
| 048 | Transparent plastic | Insulation | - |
| 053 | Black soft foam with adhesive | Adhesive tape | - |
| 054 | Green plastic | PCB | - |
| 055 | Red soft plastic | Insulation | - |
| 056 | Black soft plastic | Insulation | - |
| 059 | Black plastic | Holder, SD card, PCB | - |
| 061 | Transparent white plastic | LED | - |
| 062 | Black plastic | Button, PCB | - |
| 064 | White plastic | Holder, button, PCB | - |
| 067 | Rice white plastic | Connector | - |
| 075 | Green plastic | PCB | - |
| 076 | Red soft plastic | Insulation | - |
| 077 | Black soft plastic | Insulation | - |
| 079 | White printed black plastic | Electrolytic capacitor sleeve | - |
| 081 | Black soft plastic | Rubber seal | - |
| 086 | Copper printed green plastic | Electrolytic capacitor sleeve | - |
| 087 | Yellow plastic with adhesive | Adhesive tape of transformer | - |
| 088 | Black plastic | Frame of transformer | - |
| 098 | Brown printed green plastic | PCB | - |
| 099 | Transparent soft plastic | Ring | - |
| 100 | Black plastic | Case, IP camera | - |
| 101 | Black plastic | Cover, IP camera | - |
| 102 | Black plastic | Holder, IP camera | - |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 16 of 19

| | | | |
|-----|----------------------|---------------------|---|
| 104 | Bright black plastic | Cover, IP camera | - |
| 105 | Bright black plastic | Case, camera head | - |
| 106 | Black plastic | Holder, camera head | - |
| 107 | Black plastic | Button, IP camera | - |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 17 of 19

| Test Parameter: | BBP | DBP | DEHP | DiBP | - |
|-----------------|------------|-------|-------|------|------------|
| Limit (%): | 0.1 | 0.1 | 0.1 | 0.1 | - |
| Test Item(s) | Result (%) | | | | Conclusion |
| 001 | ND | ND | ND | ND | PASS |
| 002 | ND | ND | ND | ND | PASS |
| 003 | ND | ND | ND | ND | PASS |
| 005 | ND | ND | ND | ND | PASS |
| 007 | ND | ND | ND | ND | PASS |
| 008 | ND | ND | ND | ND | PASS |
| 009 | ND | ND | ND | ND | PASS |
| 013 | ND | ND | ND | ND | PASS |
| 014 | ND | ND | ND | ND | PASS |
| 015 | ND | ND | ND | ND | PASS |
| 016 | ND | ND | ND | ND | PASS |
| 017 | ND | ND | ND | ND | PASS |
| 018 | ND | ND | ND | ND | PASS |
| 024 | ND | ND | ND | ND | PASS |
| 025 | ND | ND | ND | ND | PASS |
| 027 | ND | ND | ND | ND | PASS |
| 028+099 | ND | ND | 0.02 | ND | PASS |
| 031 | ND | ND | ND | ND | PASS |
| 032 | ND | ND | ND | ND | PASS |
| 034 | ND | ND | ND | ND | PASS |
| 036+037 | ND | 0.015 | ND | ND | PASS |
| 039 | ND | ND | ND | ND | PASS |
| 042 | ND | ND | ND | ND | PASS |
| 044 | ND | ND | 0.037 | ND | PASS |
| 045 | ND | ND | ND | ND | PASS |
| 047 | ND | ND | ND | ND | PASS |
| 048 | ND | ND | ND | ND | PASS |
| 053 | ND | ND | ND | ND | PASS |
| 054 | ND | ND | ND | ND | PASS |

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Test Report

Report No. ESTC-190819004

Date: 27 Sep 2019

Page 18 of 19

| Test Parameter: | BBP | DBP | DEHP | DiBP | - |
|-----------------|------------|-----|------|------|------------|
| Limit (%): | 0.1 | 0.1 | 0.1 | 0.1 | - |
| Test Item(s) | Result (%) | | | | Conclusion |
| 055 | ND | ND | ND | ND | PASS |
| 056 | ND | ND | ND | ND | PASS |
| 059 | ND | ND | ND | ND | PASS |
| 061 | ND | ND | ND | ND | PASS |
| 062 | ND | ND | ND | ND | PASS |
| 064 | ND | ND | ND | ND | PASS |
| 067 | ND | ND | ND | ND | PASS |
| 075 | ND | ND | ND | ND | PASS |
| 076 | ND | ND | ND | ND | PASS |
| 077 | ND | ND | ND | ND | PASS |
| 079 | ND | ND | ND | ND | PASS |
| 081 | ND | ND | ND | ND | PASS |
| 086 | ND | ND | ND | ND | PASS |
| 087 | ND | ND | ND | ND | PASS |
| 088 | ND | ND | ND | ND | PASS |
| 098 | ND | ND | ND | ND | PASS |
| 100 | ND | ND | ND | ND | PASS |
| 101 | ND | ND | ND | ND | PASS |
| 102 | ND | ND | ND | ND | PASS |
| 104 | ND | ND | ND | ND | PASS |
| 105 | ND | ND | ND | ND | PASS |
| 106 | ND | ND | ND | ND | PASS |
| 107 | ND | ND | ND | ND | PASS |

Note / key:

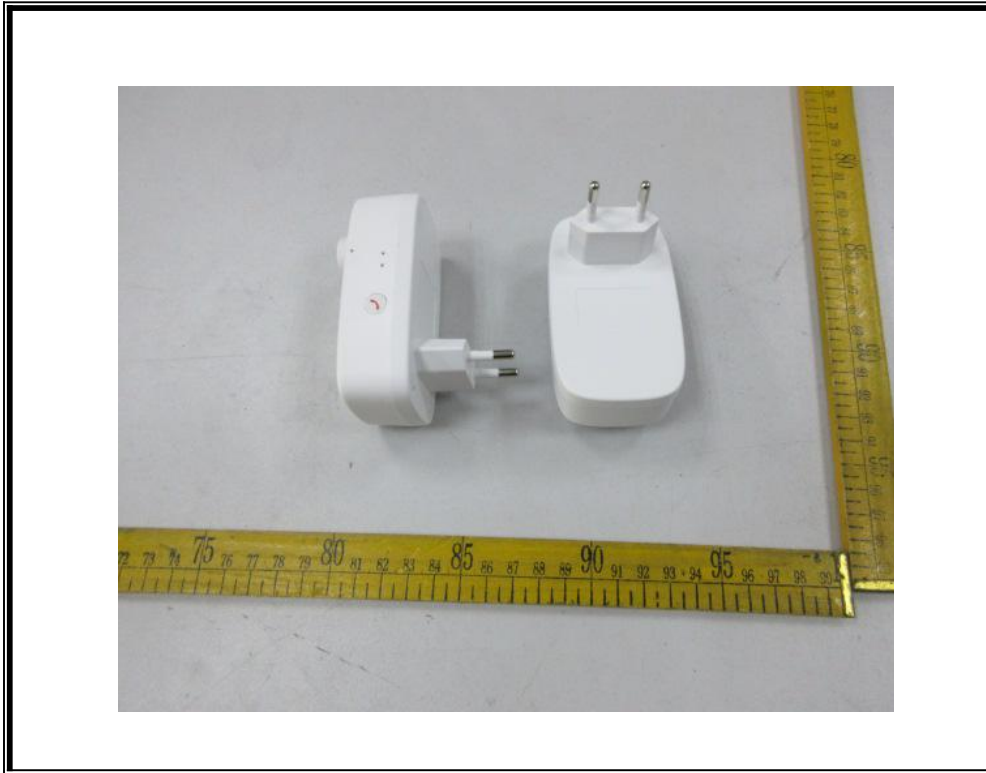
BBP = Butyl benzyl phthalate (CAS No: 85-68-7) DBP = Dibutyl phthalate (CAS No: 84-74-2)
DEHP = Di(2-ethylhexyl) phthalate (CAS No: 117-81-7) DiBP = Diisobutyl phthalate (CAS No: 84-69-5)
ND = Not detected % = percent 10000 mg/kg = 1 %
mg/kg = milligram(s) per kilogram
Detection Limit (%) : Each 0.005

Remark:

- For medical devices and control instruments, effective date will be 22 July 2021.

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3.Photo of the Submitted Sample



EST Technology authenticate the photo on original report only

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