Test Report

Report No.: AGC00552180303-001 Date: Apr.16, 2018 Page 1 of 21

Applicant: Shenzhen Huafurui 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

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

Sample Name:	Smart Phone
Sample Model:	NOVA
Brand:	CUBOT
Manufacturer:	Shenzhen Huafurui 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
Sample Received Date:	Apr.04, 2018
Testing Period:	Apr.04, 2018 to Apr.16, 2018

Test Requested: Please refer to following page(s).

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

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

Tested by:	Reviewed by:	Approved by:
Luo Xiao	Leon	Lewis
Luoxiao	Suhongliang, Leon	Liulinwen, Lewis
Test Engineer	Test Team Leader	Technical Director

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Test Report

Test Requested: **Conclusion**

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. Pass
2. As specified by client, to determine the Pb, Cd, Hg, Cr^{6+}, 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. Pass

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
			81	
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, ICP-OES	0.0001	N.D.	0.0005
Conclusion	/	/	**Pass**	/

Note:

- 0.1%,w/w=1000 mg/kg
- 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

81	Electric core(Battery)

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2. 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 Section 7	ICP-OES	2 mg/kg
Lead (Pb)	IEC 62321-5:2013 Ed 1.0 Section 7	ICP-OES	2 mg/kg
Mercury (Hg)	IEC 62321-4:2013 Ed 1.0 Section 7	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 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 panel assembly)	BL	BL	BL	BL	BL
2	Polarizer(Display panel assembly)	BL	BL	BL	BL	BL
3	Upper diffusion(Display panel assembly)	BL	BL	BL	BL	BL
4	Light guide plate(Display panel assembly)	BL	BL	BL	BL	BL
5	Upper intensify(Display panel assembly)	BL	BL	BL	BL	BL
6	Lower diffusion(Display panel assembly)	BL	BL	BL	BL	BL
7	White label(Display panel assembly)	BL	BL	BL	BL	BL
8	Display glass(Display panel assembly)	BL	BL	BL	BL	BL
9	Chip LED(Display panel assembly)	BL	BL	BL	BL	BL
10	White plastic box(Display panel assembly)	BL	BL	BL	BL	BL
11	Metal plate(Display panel assembly)	BL	BL	BL	X*	-
12	Silver screw	BL	BL	BL	BL	-
13	Camera lens(Lens mount)	BL	BL	BL	BL	BL
14	Silver plastic holder(Lens mount)	BL	BL	BL	BL	BL
15	Black touch key(Fingerprint unlock)	BL	BL	BL	BL	BL
16	FPC(Fingerprint unlock)	BL	BL	BL	BL	BL
17	Black metal back cover(Back cover)	BL	BL	BL	BL	-
18	Black plastic frame(Back cover)	BL	BL	BL	BL	BL
19	White barcode label(Frame)	BL	BL	BL	BL	BL
20	Black plastic frame(Frame)	BL	BL	BL	X*	BL
21	Transparent lamp shade(Frame)	BL	BL	BL	BL	BL
22	Copper nut(Frame)	BL	OL*	BL	BL	-
23	Copper terminal(Antenna)	BL	BL	BL	BL	-
24	Black wire jacket(Antenna)	BL	BL	BL	BL	BL

Test Report

Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
25	Metal braided wire(Antenna)	BL	BL	BL	BL	-
26	Transparent inner wire jacket(Antenna)	BL	BL	BL	BL	BL
27	Black cotton stick(Motor)	BL	BL	BL	BL	BL
28	Metal shell(Motor)	BL	BL	BL	BL	-
29	Black plastic stents(Motor)	BL	BL	BL	BL	BL
30	Enameled wire(Motor)	BL	BL	BL	BL	-
31	Copper bearing(Motor)	OL*	BL	BL	BL	-
32	PCB board(Motor)	BL	BL	BL	BL	BL
33	Metal block(Motor)	BL	BL	BL	BL	-
34	Red wire jacket(Motor)	BL	BL	BL	BL	BL
35	Blue wire jacket(Motor)	BL	BL	BL	BL	BL
36	Microphone(connecting plate)	BL	BL	BL	BL	BL
37	Green PCB board(connecting plate)	BL	BL	BL	BL	X*
38	Tin solder(connecting plate)	BL	BL	BL	BL	-
39	Metal contact piece(connecting plate)	BL	BL	BL	X*	-
40	Silver vibrating film(Speaker)	BL	BL	BL	BL	BL
41	Magnet(Speaker)	BL	BL	BL	BL	-
42	Magnetic shielding cover(Speaker)	BL	BL	BL	BL	-
43	Enameled wire frame(Speaker)	BL	BL	BL	BL	-
44	Black plastic frame(Speaker)	BL	BL	BL	BL	BL
45	Metal contact piece(Speaker)	BL	BL	BL	X*	-
46	Black dust proof net(Receiver)	BL	BL	BL	BL	BL
47	Metal cover(Receiver)	BL	BL	BL	X*	-
48	Vibrating diaphragm(Receiver)	BL	BL	BL	BL	BL
49	Enameled wire(Receiver)	BL	BL	BL	BL	-
50	Black plastic frame(Receiver)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
51	Magnetic shielding cover(Receiver)	BL	BL	BL	BL	-
52	Magnet(Receiver)	BL	BL	BL	BL	-
53	Metal contact piece(Receiver)	BL	BL	BL	BL	-
54	Black plastic seat(Front camera)	BL	BL	BL	BL	BL
55	Transparent lens(Front camera)	BL	BL	BL	BL	BL
56	Chip core(Front camera)	BL	BL	BL	BL	BL
57	FPC(Front camera)	BL	BL	BL	BL	BL
58	Silver metal frame(Rear camera)	BL	BL	BL	BL	-
59	Magnet(Rear camera)	BL	BL	BL	BL	-
60	Black plastic frame(Rear camera)	BL	BL	BL	BL	BL
61	Transparent lens(Rear camera)	BL	BL	BL	BL	BL
62	Chip core(Rear camera)	BL	BL	BL	BL	BL
63	FPC(Rear camera)	BL	BL	BL	BL	BL
64	Metal shield cover(Main board)	BL	BL	BL	BL	-
65	White label(Main board)	BL	BL	BL	BL	BL
66	Black plastic headset seat(Main board)	BL	BL	BL	BL	BL
67	Chip IC(Main board)	BL	BL	BL	BL	BL
68	Chip inductor(Main board)	BL	BL	BL	BL	BL
69	White plastic seat(FFC holder)(Main board)	BL	BL	BL	BL	BL
70	Black plastic button(FFC holder)(Main board)	BL	BL	BL	BL	BL
71	Photoreceptor(Main board)	BL	BL	BL	BL	BL
72	Metal cover(cassette)(Main board)	BL	BL	BL	X*	-
73	Black plastic seat(cassette)(Main board)	BL	BL	BL	BL	BL
74	Micro metal connector(Main board)	BL	BL	BL	X*	-
75	Metal cover(battery holder)(Main board)	BL	BL	BL	X*	-
76	Grey black plastic seat(battery holder)(Main board)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
77	Metal thimble(battery holder)(Main board)	BL	BL	BL	BL	-
78	Blue PCB board(battery holder)(Main board)	BL	BL	BL	BL	X*
79	Tin solder(Main board)	BL	BL	BL	BL	-
80	White battery sticker(Battery)	BL	BL	BL	BL	BL
82	Black plastic cover(Battery)	BL	BL	BL	BL	BL
83	Black rubber strip(Battery)	BL	BL	BL	BL	BL
84	Chip IC(Battery)	BL	BL	BL	BL	BL
85	Pin(Battery)	BL	BL	BL	BL	-
86	Black PCB board(Battery)	BL	BL	BL	BL	X*
Adapter						
87	White plastic shell	BL	BL	BL	BL	BL
88	White plastic plug	BL	BL	BL	BL	BL
89	Metal plug	BL	BL	BL	BL	-
90	Metal contact piece	BL	BL	BL	BL	-
91	White glue	BL	BL	BL	BL	BL
92	PCB board	BL	BL	BL	BL	X*
93	Tin solder	BL	BL	BL	BL	-
94	Chip resistor	BL	OL*	BL	BL	BL
95	Chip glass diode	BL	OL*	BL	BL	BL
96	Chip IC	BL	BL	BL	BL	BL
97	Chip diode	BL	BL	BL	BL	X*
98	Black plastic piece	BL	BL	BL	BL	X*
99	Metal shell	BL	BL	BL	BL	-
100	White plastic contact	BL	BL	BL	BL	X*
101	Contact pin	BL	BL	BL	BL	-
102	Black sleeving	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
103	Ceramic capacitance	BL	BL	BL	BL	BL
104	Color ring resistance	BL	BL	BL	BL	BL
105	Chromatic ring inductor body(Chromatic ring inductor)	BL	BL	BL	BL	BL
106	Pin(Chromatic ring inductor)	BL	BL	BL	BL	-
107	Brown sleeve(Electrolytic capacitor)	BL	BL	BL	BL	BL
108	Blue sleeving(Electrolytic capacitor)	BL	BL	BL	BL	BL
109	Green sleeving(Electrolytic capacitor)	BL	BL	BL	BL	BL
110	Black rubber plug(Electrolytic capacitor)	BL	BL	BL	BL	BL
111	Anode foil(Electrolytic capacitor)	BL	BL	BL	BL	-
112	Pin(Electrolytic capacitor)	BL	BL	BL	BL	-
113	Cathode foil(Electrolytic capacitor)	BL	BL	BL	BL	-
114	Electrolytic paper(Electrolytic capacitor)	BL	BL	BL	BL	BL
115	Aluminum shell(Electrolytic capacitor)	BL	BL	BL	BL	-
116	Yellow tape(Transformer)	BL	BL	BL	BL	BL
117	Magnet frame(Transformer)	BL	BL	BL	BL	BL
118	Black plastic skeleton(Transformer)	BL	BL	BL	BL	BL
119	Enameled wire(Transformer)	BL	BL	BL	BL	-
120	Three layer insulated wire jacket(Transformer)	BL	BL	BL	BL	BL
Data line						
121	White handle(USB line)	BL	BL	BL	BL	BL
122	Tin solder(USB line)	BL	BL	BL	BL	-
123	White plastic plug(USB line)	BL	BL	BL	BL	BL
124	Contact pin(USB line)	BL	BL	BL	BL	-
125	Metal shell(USB line)	BL	BL	BL	BL	-
126	Tin solder(Micro plug)	BL	BL	BL	BL	-
127	Black plastic plug(Micro plug)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
128	Metal thimble(Micro plug)	BL	BL	BL	X*	-
129	Contact pin(Micro plug)	BL	BL	BL	BL	-
130	Metal shell(Micro plug)	BL	BL	BL	X*	-
131	White outer wire jacket(Wire rod)	BL	BL	BL	BL	BL
132	Green wire jacket(Wire rod)	BL	BL	BL	BL	BL
133	Wire core(Wire rod)	BL	BL	BL	BL	-
134	Black wire jacket(Wire rod)	BL	BL	BL	BL	BL
135	White wire jacket(Wire rod)	BL	BL	BL	BL	BL
136	Red wire jacket(Wire rod)	BL	BL	BL	BL	BL

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 Pb & Cd

Test Item(s)	Unit	Result(s)		
		22	94	95
Lead(Pb)	mg/kg	25442*	3705*	283568*

Test Item(s)	Unit	Result(s)
		31
Cadmium(Cd)	mg/kg	N.D.

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

* 1= As claimed by the material declaration submitted by the client, the materials of the sample No.22 is copper alloy, according to the RoHS 2011/65 / EU, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.
2= As claimed by the material declaration submitted by the client, the materials of the sample No.94 is ceramic, according to the RoHS 2011/65 / EU, lead in the ceramic electronic components is exempted.
3= As claimed by the material declaration submitted by the client, the materials of the sample No.95 is glass, according to the ROHS 2011/65 / EU, lead in glass of electronic components is exempted.

2）The Test Results of non-metal Cr^{6+}

Test Item(s)	Unit	Result(s)	Limit
		20	
Hexavalent Chromium(Cr^{6+})	mg/kg	N.D.	1000

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

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3)The Test Results of metal Cr^{6+}

Test Item(s)	MDL	Result(s)						Limit
		11	39	45	47	72	74	
Hexavalent Chromium (Cr^{6+})	See note	Negative	Negative	Negative	Negative	Negative	Negative	#

Test Item(s)	MDL	Result(s)			Limit
		75	128	130	
Hexavalent Chromium (Cr^{6+})	See note	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 ≤ the0,13 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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4）The Test Results of PBBs & PBDEs

Unit:mg/kg

Item(s)	MDL	Result(s)					Limit
		37	78	86	92	97	
Polybrominated Biphenyls (PBBs)							
Monobromobiphenyl	5	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.	
Tribromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	/	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.	Total PBDEs Content <1000
Dibromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	/	N.D.	N.D.	N.D.	N.D.	N.D.	
Conclusion	/	**Pass**	**Pass**	**Pass**	**Pass**	**Pass**	/

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Unit:mg/kg

Item(s)	MDL	Result(s)		Limit
		98	100	
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	5	N.D.	N.D.	Total PBBs Content <1000
Dibromobiphenyl	5	N.D.	N.D.	
Tribromobiphenyl	5	N.D.	N.D.	
Tetrabromobiphenyl	5	N.D.	N.D.	
Pentabromobiphenyl	5	N.D.	N.D.	
Hexabromobiphenyl	5	N.D.	N.D.	
Heptabromobiphenyl	5	N.D.	N.D.	
Octabromobiphenyl	5	N.D.	N.D.	
Nonabromodiphenyl	5	N.D.	N.D.	
Decabromodiphenyl	5	N.D.	N.D.	
Total content	/	N.D.	N.D.	
Polybrominated Diphenylethers (PBDEs)				
Monobromodiphenyl ether	5	N.D.	N.D.	Total PBDEs Content <1000
Dibromodiphenyl ether	5	N.D.	N.D.	
Tribromodiphenyl ether	5	N.D.	N.D.	
Tetrabromodiphenyl ether	5	N.D.	N.D.	
Pentabromodiphenyl ether	5	N.D.	N.D.	
Hexabromodiphenyl ether	5	N.D.	N.D.	
Heptabromodiphenyl ether	5	N.D.	N.D.	
Octabromodiphenyl ether	5	N.D.	N.D.	
Nonabromodiphenyl ether	5	N.D.	N.D.	
Decabromodiphenyl ether	5	N.D.	N.D.	
Total content	/	N.D.	N.D.	
Conclusion	/	**Pass**	**Pass**	/

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

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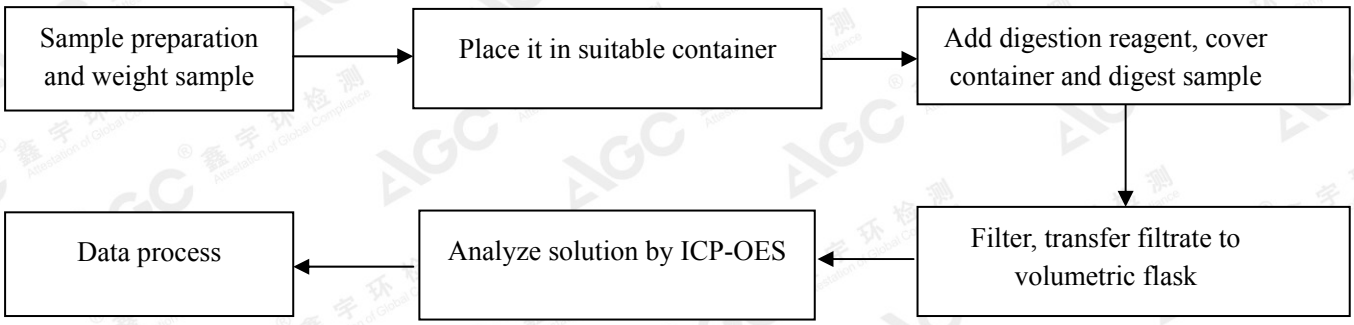
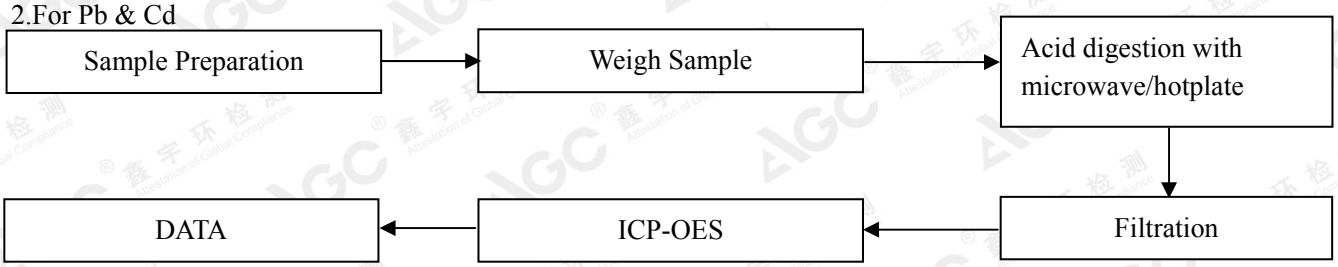
Test Flow Chart

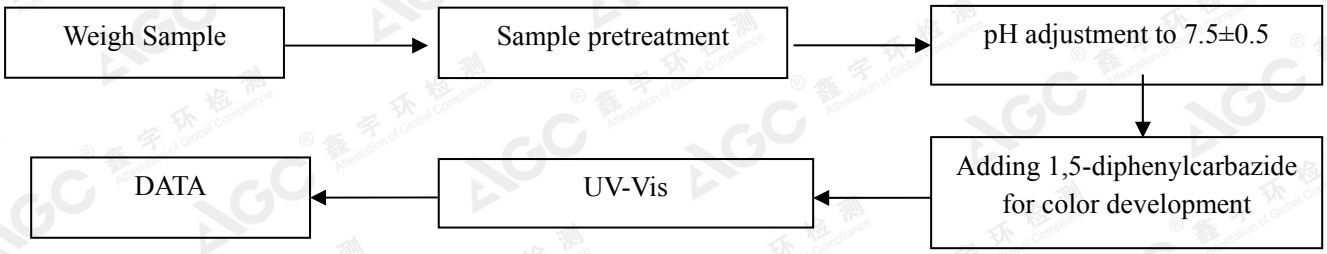
1. For Lead(Pb), Cadmium(Cd), Mercury(Hg)



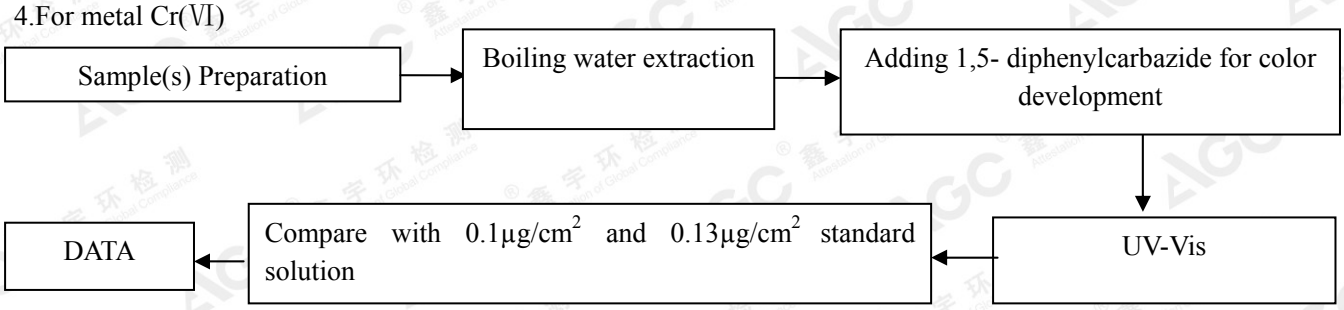
2.For Pb & Cd



3.For non-metal Cr(Ⅵ)



4.For metal Cr(Ⅵ)



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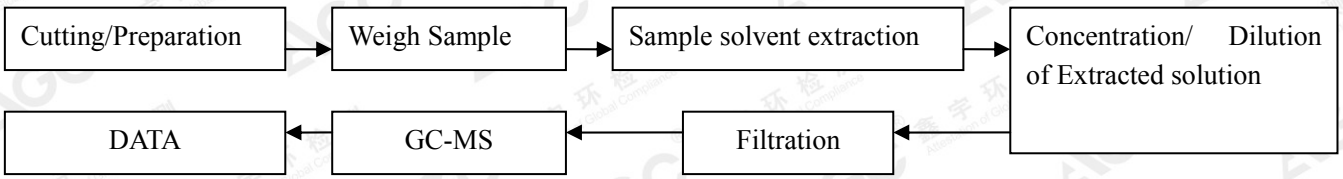
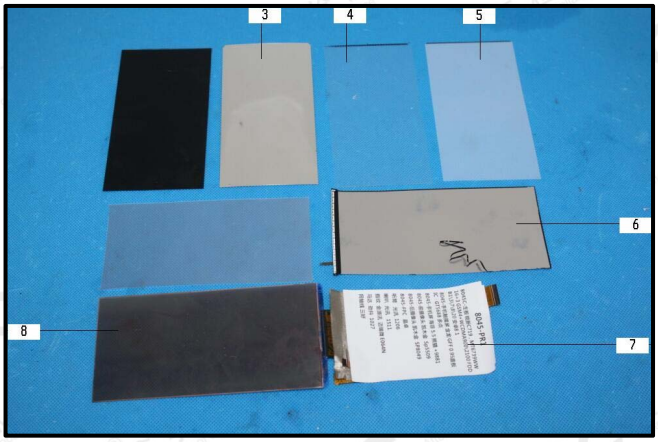
Test Report

5.For PBBs & PBDEs



The photo of the sample



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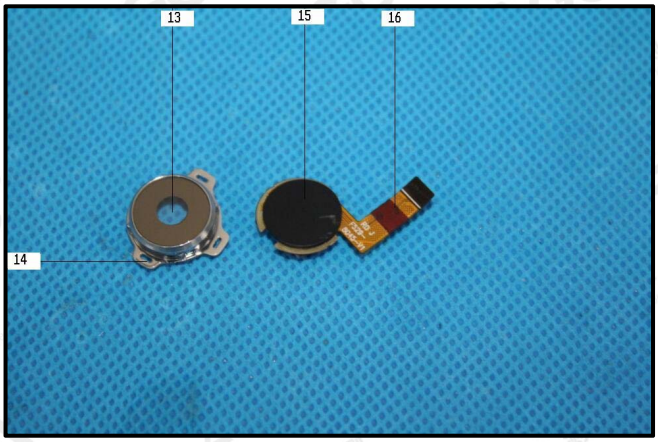
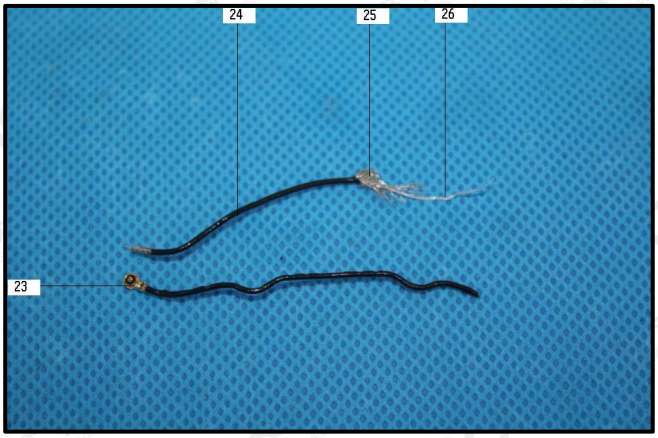
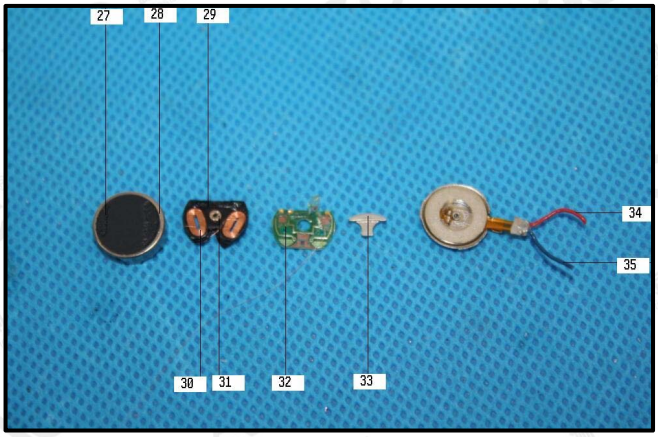
Test Report







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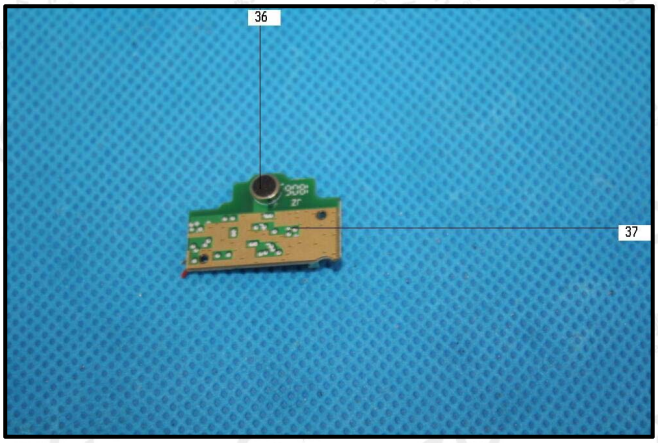

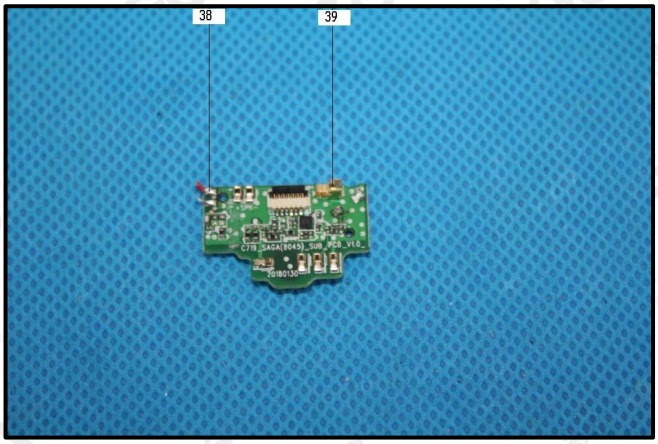

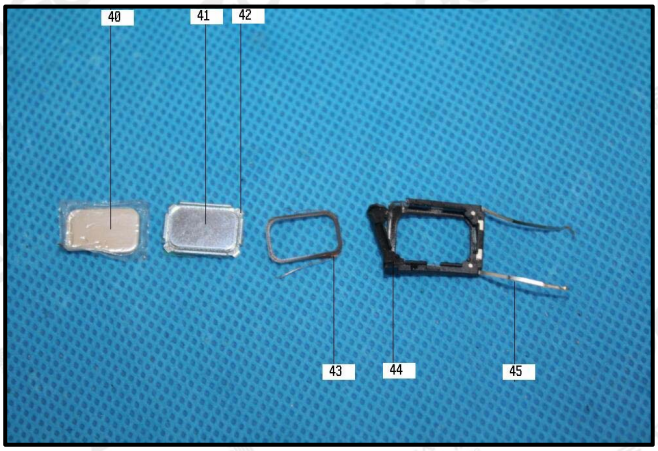

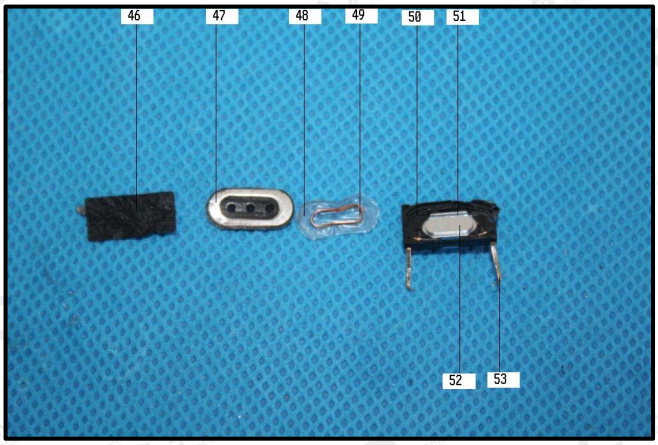

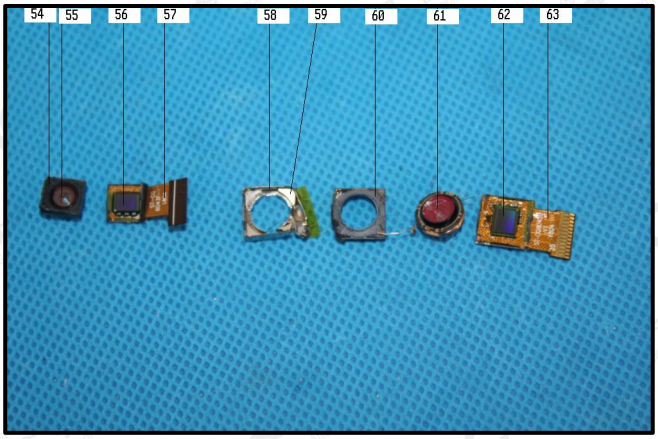

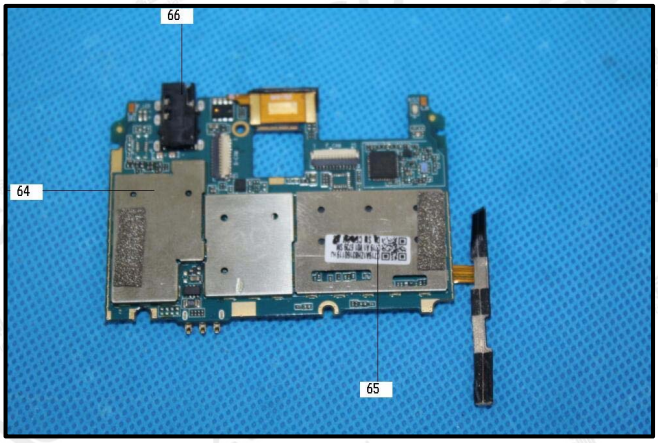

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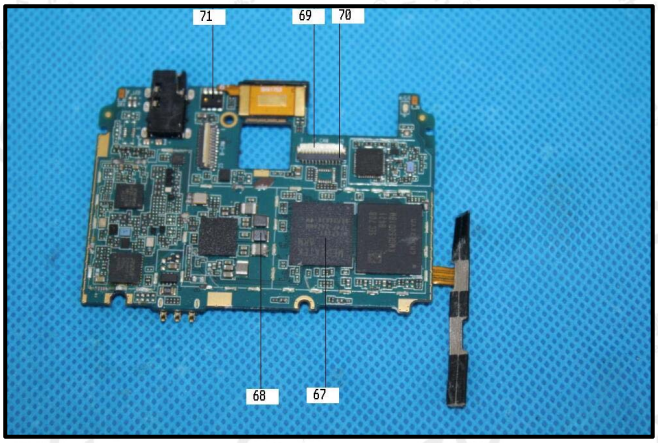

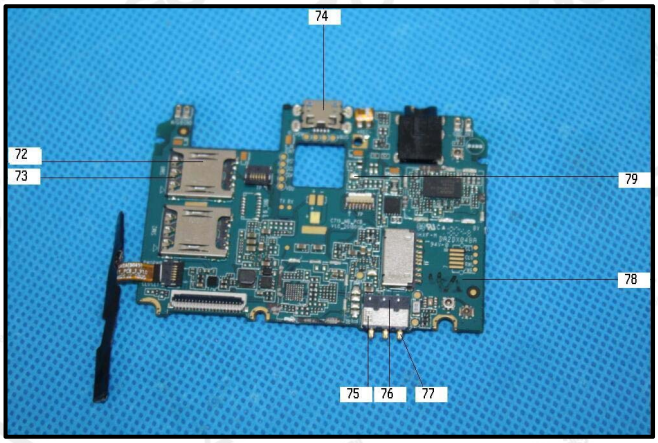

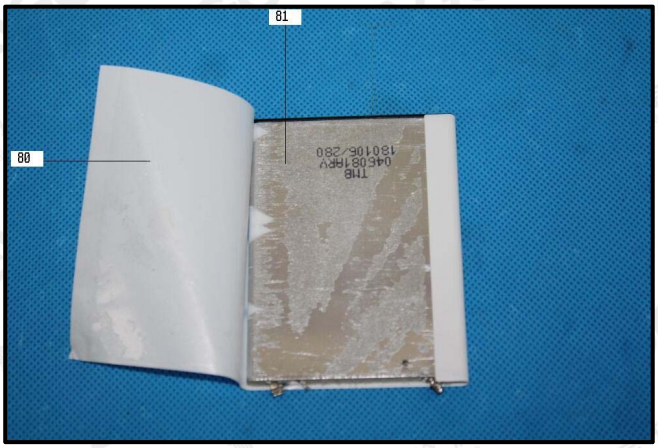

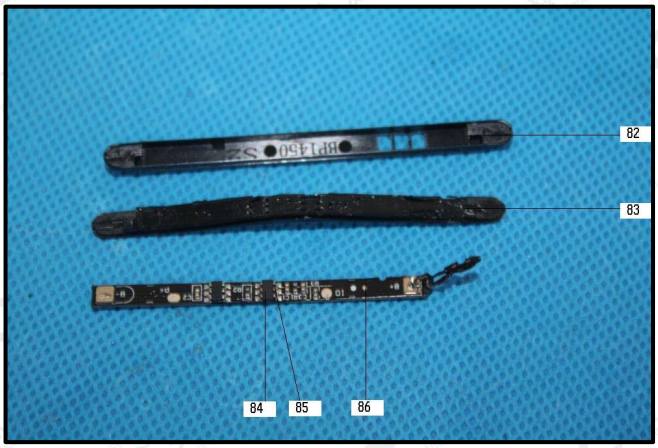

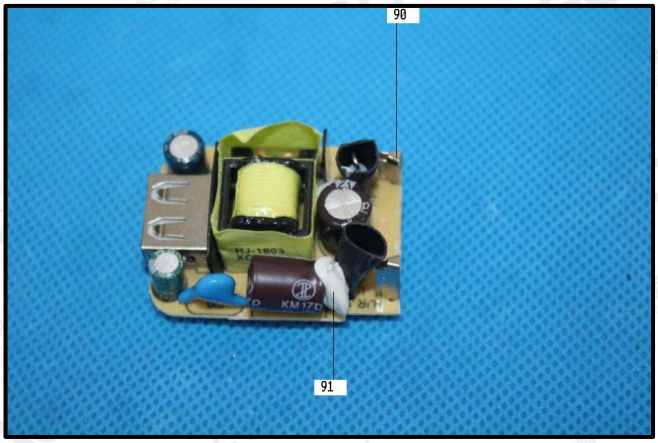

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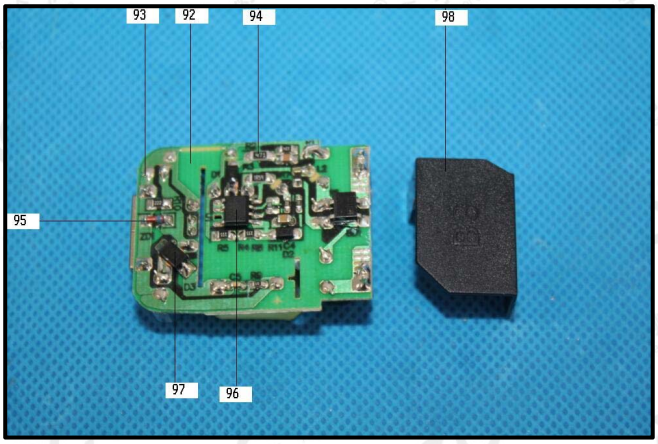

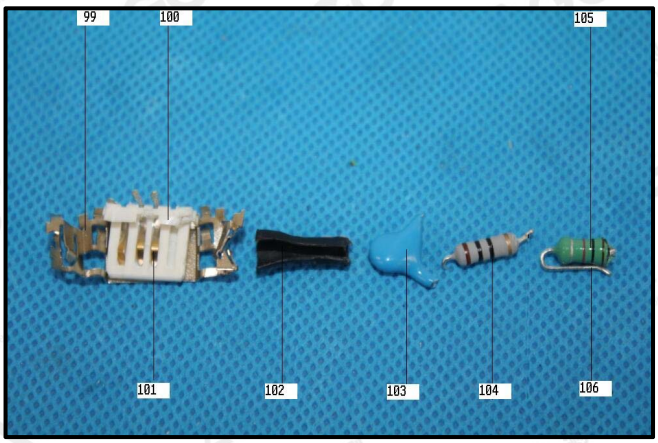

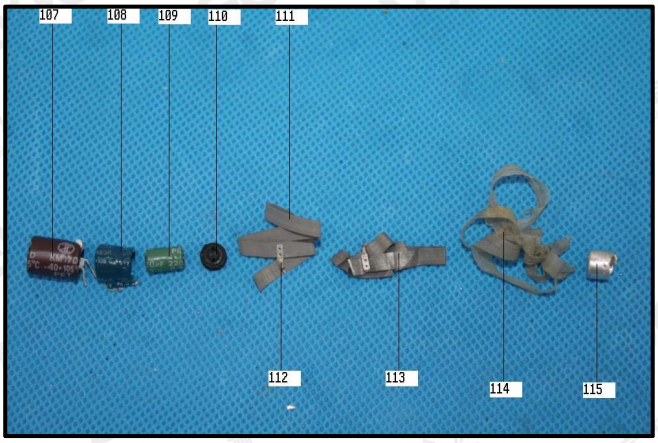

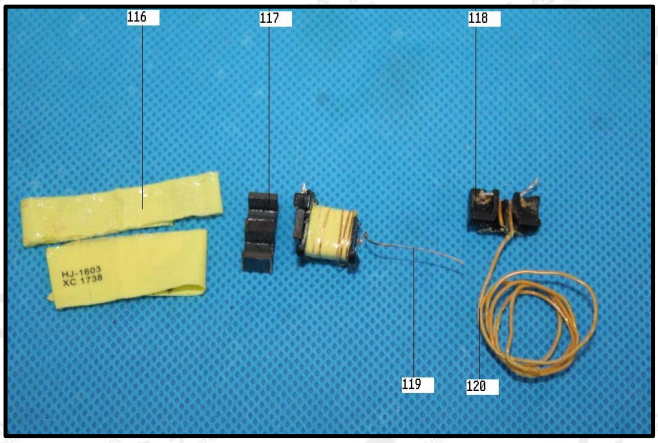

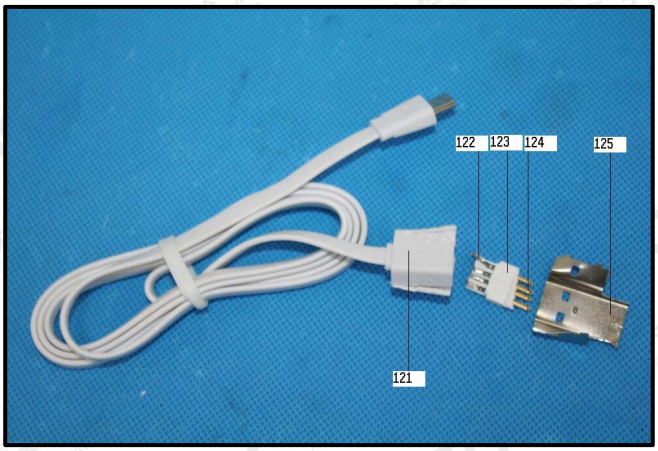

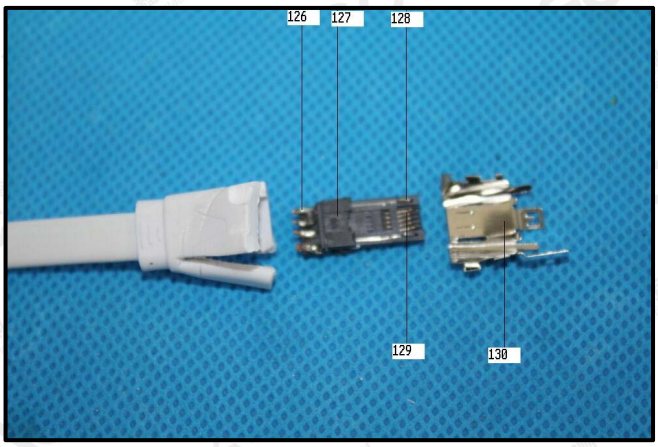

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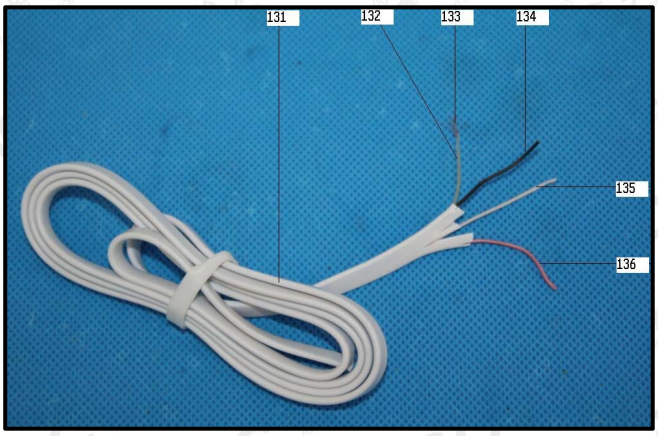

AGC authenticate the photo only on original report

*** End of Report ***

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