

Test Report

Report No.: AGC00552190202-001

Date: Mar.07, 2019

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Applicant: Shenzhen Huafurui Technology Co., Ltd.
Address: Unit 1401 &1402, 14/F, Jin qi zhigu 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

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

Sample Name: Smart Phone
Model: J5
Brand: CUBOT
Manufacturers: Shenzhen Huafurui Technology Co., Ltd.
Address: Unit 1401 &1402, 14/F, Jin qi zhigu 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: Feb.19, 2019
Testing Period: Feb.19, 2019 to Mar.07, 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:

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.
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 the DBP, BBP, DEHP, DIBP content in the submitted sample in accordance with Directive 2011/65/EU (RoHS) and its amendment directive (EU) 2015/863.

Pass

Pass

Pass

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Test Result(s):

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

Unit: %,w/w

Test item(s)	Test Method/ Equipment	MDL	Result(s)	Limit
			43	
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

43	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	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 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(Touch screen)	BL	BL	BL	BL	BL
2	Chip IC(Touch screen)	BL	BL	BL	BL	BL
3	Scan code label(Touch screen)	BL	BL	BL	BL	BL
4	Light guide plate(Display)	BL	BL	BL	BL	BL
5	Reflector panel(Display)	BL	BL	BL	BL	BL
6	Silver metal plate(Display)	BL	BL	BL	X*	-
7	Lower diffusion(Display)	BL	BL	BL	BL	BL
8	Upper intensify(Display)	BL	BL	BL	BL	BL
9	White label(Display)	BL	BL	BL	BL	BL
10	FPC(Display)	BL	BL	BL	BL	BL
11	Conductive adhesive(Display)	BL	BL	BL	BL	BL
12	Display glass(Display)	BL	BL	BL	BL	BL
13	Black screw	BL	BL	BL	BL	-
14	Silver screw	BL	BL	BL	BL	-
15	Silver mobile phone back cover(Back cover)	BL	BL	BL	BL	BL
16	Black plastic frame(Frame)	BL	BL	BL	BL	BL
17	Black FPC antenna(Frame)	BL	BL	BL	BL	BL
18	White barcode label(Frame)	BL	BL	BL	BL	BL
19	Camera lens(Camera seat)	BL	BL	BL	BL	BL
20	Electroplated lens holder(Camera seat)	BL	BL	BL	BL	-
21	Copper terminal(Connecting line)	BL	BL	BL	BL	-
22	Black wire jacket(Connecting line)	BL	BL	BL	BL	BL
23	Black foam frame(Speaker)	BL	BL	BL	BL	BL
24	Silver magnet(Speaker)	BL	BL	BL	BL	-

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
25	Black plastic frame(Speaker)	BL	BL	BL	BL	BL
26	Vibrating diaphragm(Speaker)	BL	BL	BL	BL	BL
27	Metal contact piece(Speaker)	BL	BL	BL	X*	-
28	Black dust proof net(Receiver)	BL	BL	BL	BL	BL
29	Silver metal cover(Receiver)	BL	BL	BL	X*	-
30	Enameled wire(Receiver)	BL	BL	BL	BL	-
31	Black plastic frame(Receiver)	BL	BL	BL	BL	BL
32	Silver magnet(Receiver)	BL	BL	BL	BL	-
33	Metal contact piece(Receiver)	BL	BL	BL	X*	-
34	Blue wire jacket(Motor)	BL	BL	BL	BL	BL
35	Red wire jacket(Motor)	BL	BL	BL	BL	BL
36	Silver metal shell(Motor)	BL	BL	BL	BL	-
37	Enameled wire(Motor)	BL	BL	BL	BL	-
38	Black plastic stents(Motor)	BL	BL	BL	BL	BL
39	Blue connector(Connecting plate)	BL	BL	BL	BL	X*
40	Microphone(Connecting plate)	BL	BL	BL	BL	BL
41	Tin solder(Connecting plate)	BL	BL	BL	BL	-
42	Battery label(Battery)	BL	BL	BL	BL	BL
44	Black plastic cover(Battery)	BL	BL	BL	BL	BL
45	Black PCB board(Battery)	BL	BL	BL	BL	X*
46	Chip IC(Battery)	BL	BL	BL	BL	BL
47	Tin plated pin(Battery)	BL	BL	BL	BL	-
48	Silver metal frame(Rear Camera)	BL	BL	BL	BL	-
49	Black plastic seat(Rear Camera)	BL	BL	BL	BL	BL
50	FPC(Rear Camera)	BL	BL	BL	BL	BL
51	Black plastic seat(Front camera)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
52	Transparent lens(Front camera)	BL	BL	BL	BL	BL
53	FPC(Front camera)	BL	BL	BL	BL	BL
54	Metal holder(Cassette) (A main board)	BL	BL	BL	X*	-
55	White plastic seat(Cassette) (A main board)	BL	BL	BL	BL	BL
56	Black audio holder(A main board)	BL	BL	BL	BL	BL
57	Micro metal connector(A main board)	BL	BL	BL	X*	-
58	Tin solder(A main board)	BL	BL	BL	BL	-
59	Blue PCB board(A main board)	BL	BL	BL	BL	X*
60	White plastic FFC seat(A main board)	BL	BL	BL	BL	BL
61	Black foam (A main board)	BL	BL	BL	BL	BL
62	Silver metal cover(Battery holder) (A main board)	BL	BL	BL	X*	-
63	White plastic seat(Battery holder) (A main board)	BL	BL	BL	BL	BL
64	Metal shield cover(A main board)	BL	BL	BL	BL	-
65	Conductive adhesive(A main board)	BL	BL	BL	BL	BL
66	Chip IC(A main board)	BL	BL	BL	BL	BL
67	Chip capacitor(A main board)	BL	BL	BL	BL	BL
Adapter						
68	White plastic shell(Shell)	BL	BL	BL	BL	X*
69	Metal plug(Shell)	BL	BL	BL	BL	-
70	Green sleeving(Electrolytic capacitor)	BL	BL	BL	BL	BL
71	Aluminum shell(Electrolytic capacitor)	BL	BL	BL	BL	-
72	Blue sleeving(Electrolytic capacitor)	BL	BL	BL	BL	BL
73	Brown sleeve(Electrolytic capacitor)	BL	BL	BL	BL	BL
74	USB metal joint(USB connector)	BL	BL	BL	BL	-
75	Black plastic contact(USB connector)	BL	BL	BL	BL	X*
76	Diode	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
77	White glue	BL	BL	BL	BL	BL
78	Chromatic ring inductor	BL	BL	BL	BL	BL
79	Color ring resistance	BL	BL	BL	BL	BL
80	Metal contact piece	BL	BL	BL	BL	-
81	Black heat shrinkable casing	BL	BL	BL	BL	BL
82	Yellow tape(Transformer)	BL	BL	BL	BL	BL
83	Enameled wire(Transformer)	BL	BL	BL	BL	-
84	Red tape(Transformer)	BL	BL	BL	BL	BL
85	Black plastic skeleton(Transformer)	BL	BL	BL	BL	BL
86	Tin solder	BL	BL	BL	BL	-
87	PCB board	BL	BL	BL	BL	X*
88	Chip IC	BL	BL	BL	BL	BL
89	Chip diode	BL	BL	BL	BL	BL
USB line						
90	White handle(USB plug)	BL	BL	BL	BL	BL
91	Milk white inner glue(USB plug)	BL	BL	BL	BL	BL
92	Tin solder(USB plug)	BL	BL	BL	BL	-
93	White plastic plug(USB plug)	BL	BL	BL	BL	BL
94	Contact pin(USB plug)	BL	BL	BL	BL	-
95	USB metal plug(USB plug)	BL	BL	BL	BL	-
96	Black plastic plug(Micro plug)	BL	BL	BL	BL	BL
97	Contact pin(Micro plug)	BL	BL	BL	BL	-
98	Micro metal plug(Micro plug)	BL	BL	BL	X*	-
99	White outer wire jacket(Wire rod)	BL	BL	BL	BL	BL
100	Red wire jacket(Wire rod)	BL	BL	BL	BL	BL
101	Black wire jacket(Wire rod)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
102	White wire jacket(Wire rod)	BL	BL	BL	BL	BL
103	Green wire jacket(Wire rod)	BL	BL	BL	BL	BL

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

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
		6	27	29	33	
Hexavalent Chromium (Cr ⁶⁺)	See note	Negative	Negative	Negative	Negative	#

Test Item(s)	MDL	Result(s)				Limit
		54	57	62	98	
Hexavalent Chromium (Cr ⁶⁺)	See note	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
		39	45	59	68	75	87	
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	/

Note: N.D. = Not Detected or less than MDL
 mg/kg = parts per million
 MDL = Method Detection Limit

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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	2	3	4	
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
			5	7	8	9	
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
			10	11	12	15	
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
			16	17	18	19	
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
			22	23	25	26	
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	31	34	35	
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
			38	39	40	42	
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
			44	45	46	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	59	60	
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
			61	63	65	66	
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
			67	68	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	75	76	77	
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
			78	79	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
			84	85	87	88	
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
			89	90	91	93	
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
			96	99	100	101	
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
			102	103	
Di-(2-ethylhexyl) Phthalate (DEHP)	Refer to IEC 62321-8:2017 GC-MS	50	N.D.	N.D.	1000
Dibutyl phthalate (DBP)		50	N.D.	N.D.	1000
Butylbenzyl phthalate (BBP)		50	N.D.	N.D.	1000
Di-iso-butyl phthalate (DIBP)		50	N.D.	N.D.	1000
Conclusion		/	Pass	Pass	/

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

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Test Report

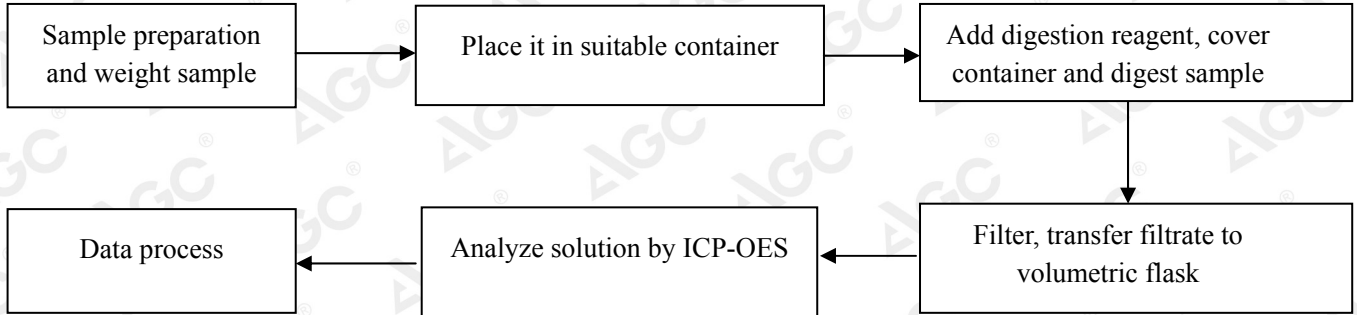
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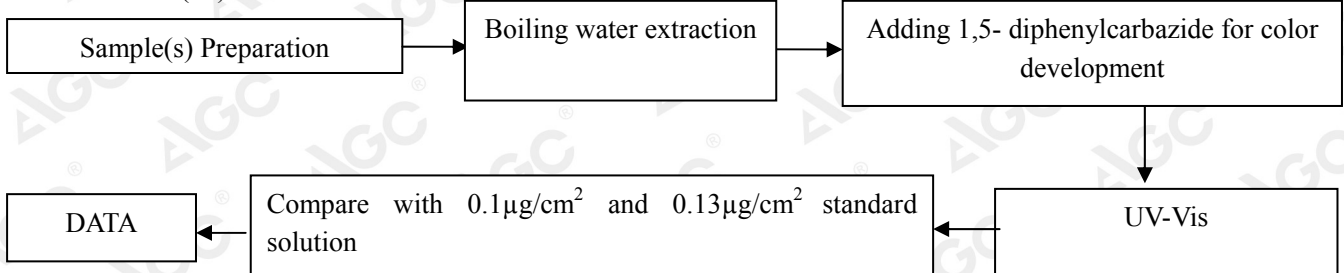
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Test Flow Chart

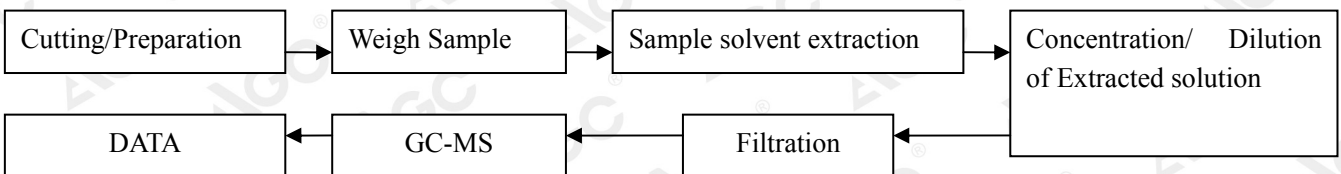
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2. For metal Cr(VI)



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



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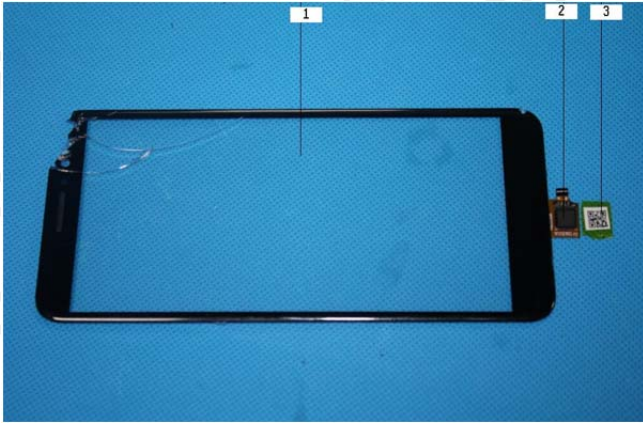
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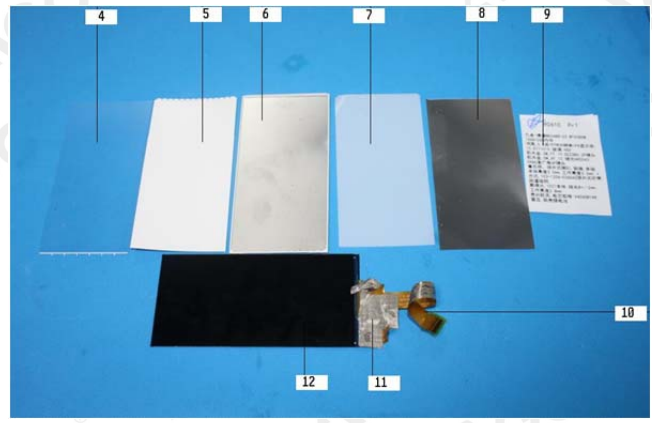
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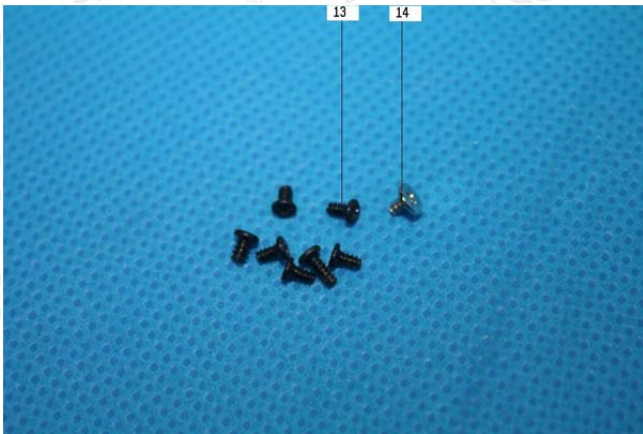
The photo of the sample



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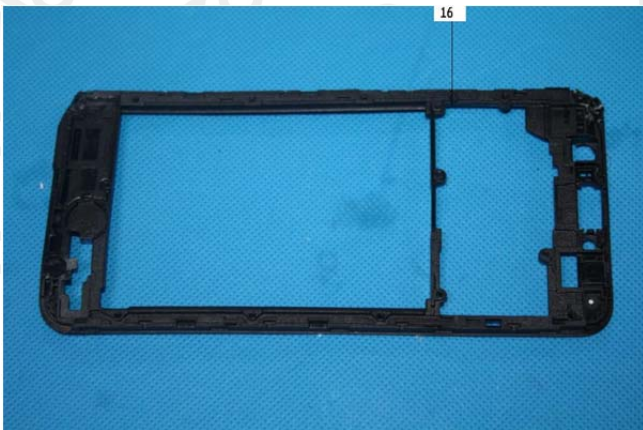
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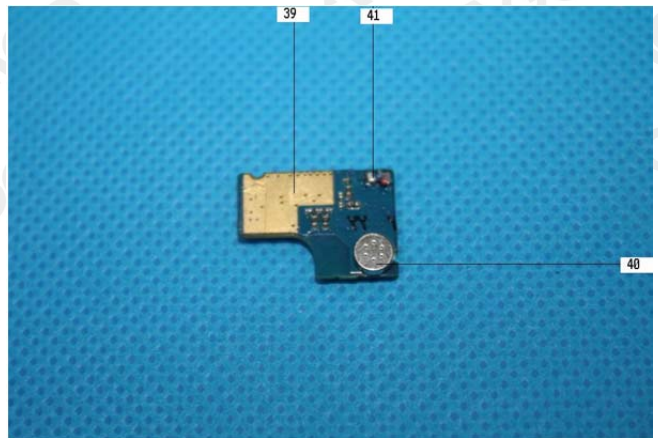
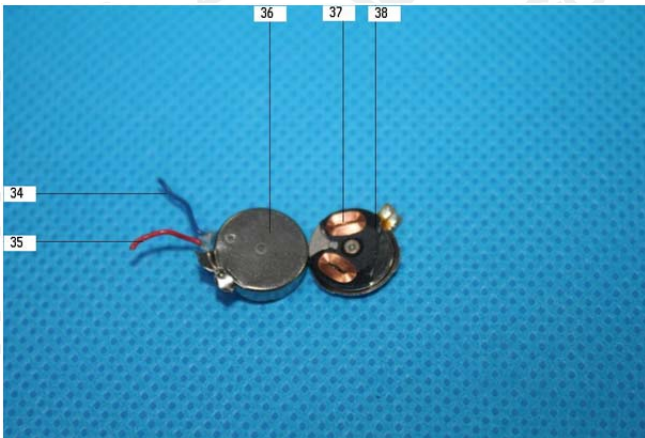
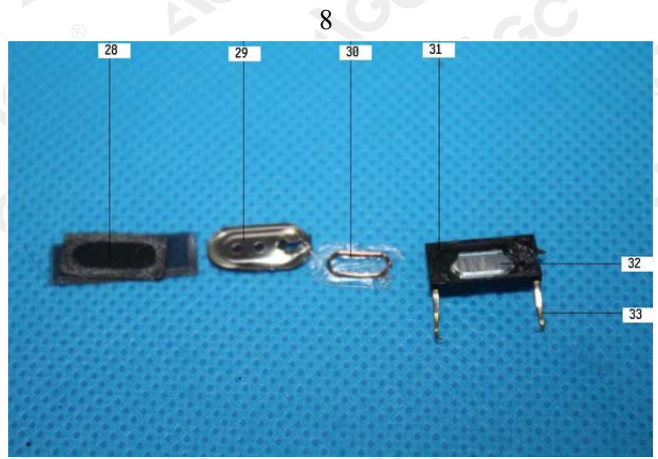
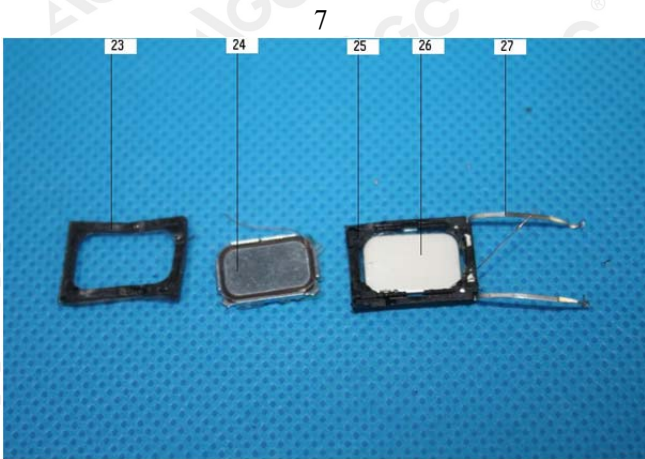
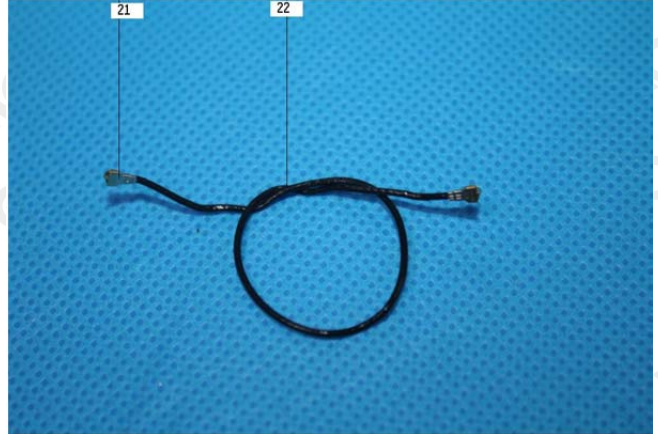
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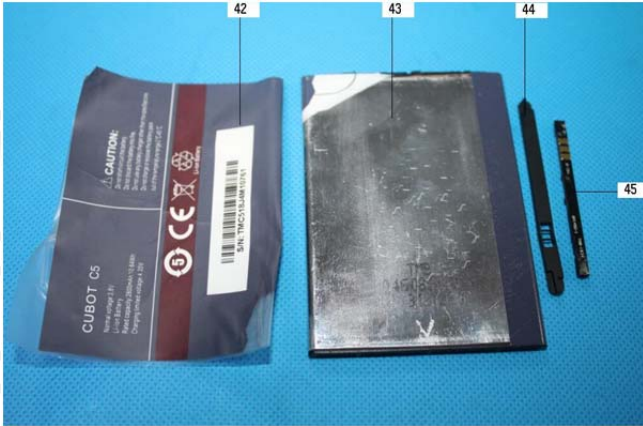
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Test Report

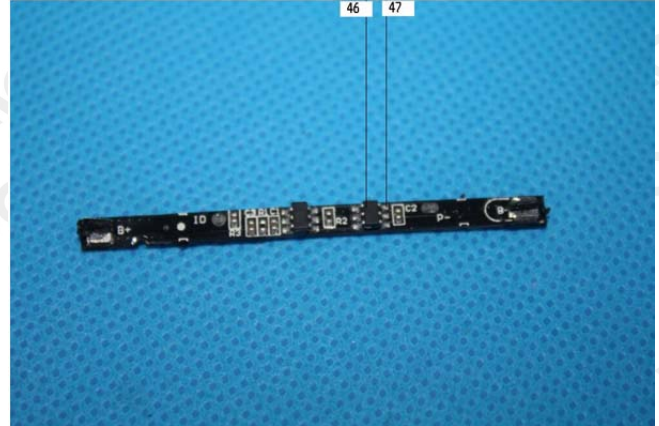
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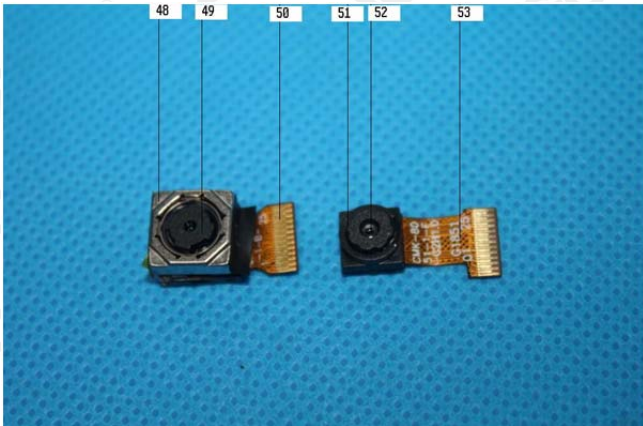
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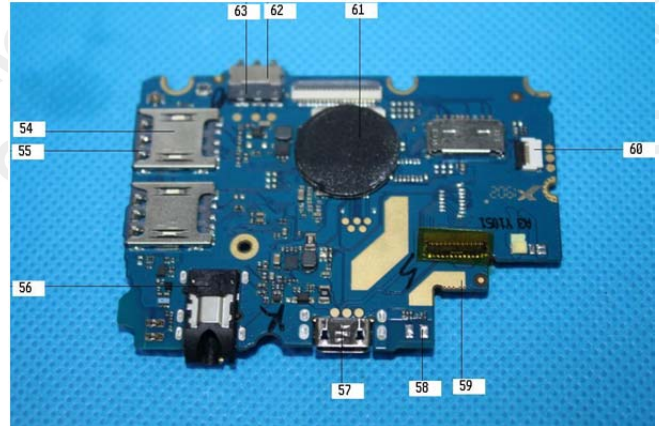
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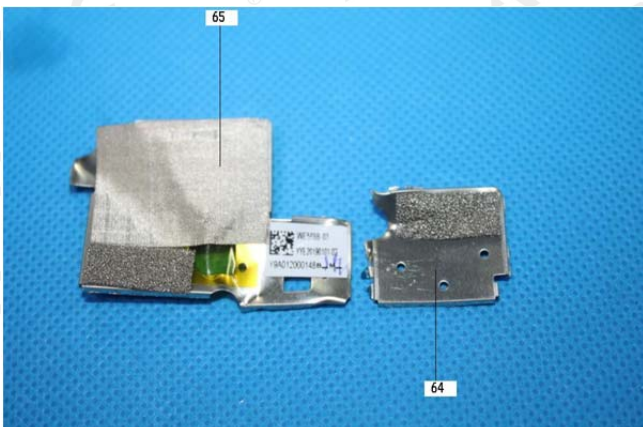
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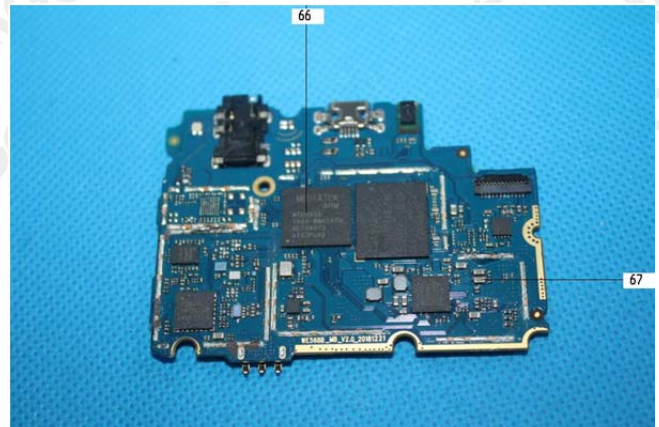
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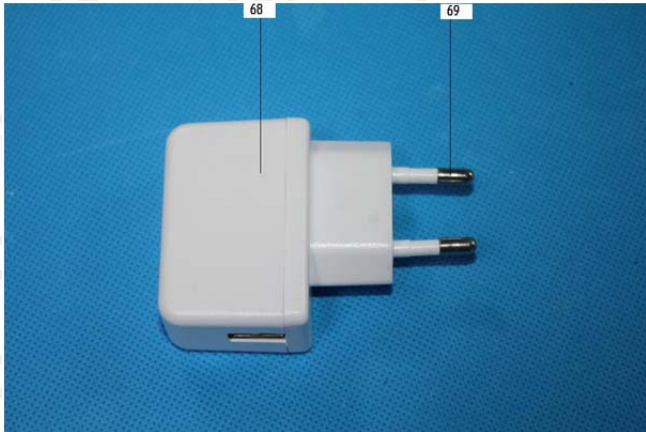


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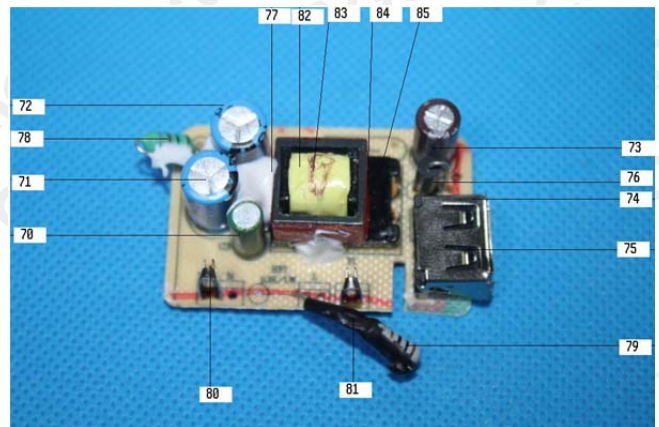
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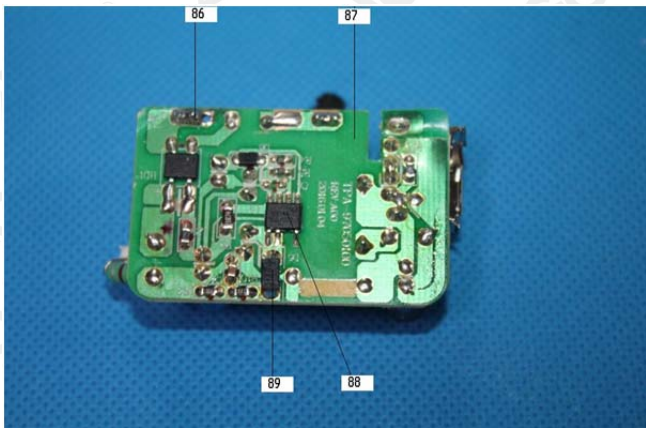
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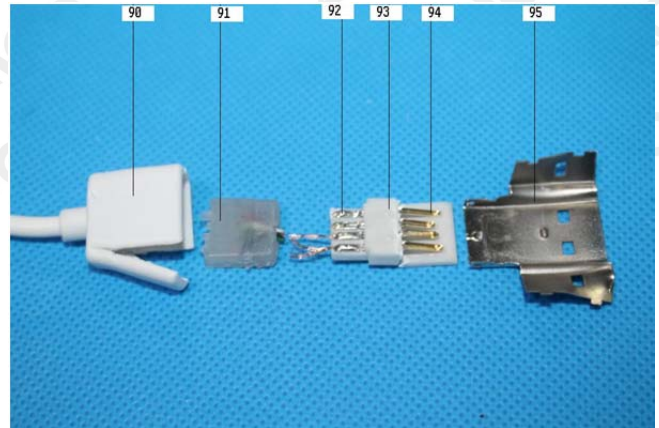
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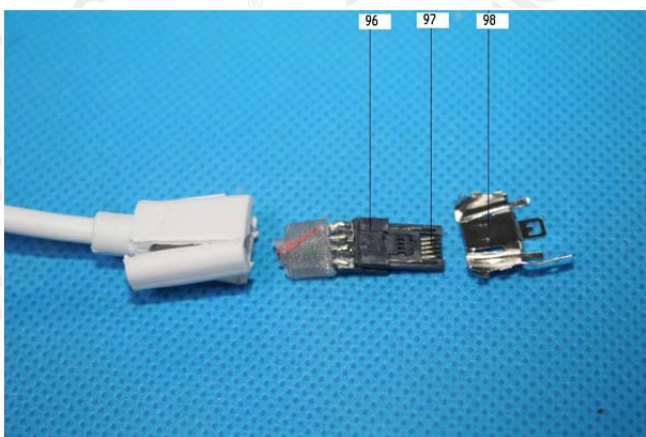
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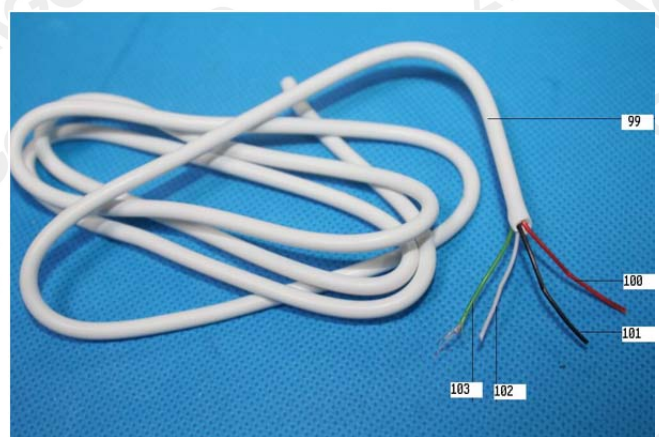
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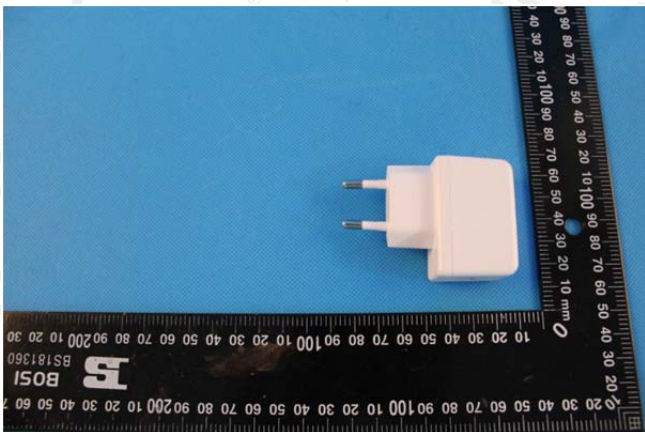
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