

测试报告(Test Report)

报告编号(Report No.): AGC00552200101-001

日期(Date): 2020/03/06

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申请单位: 深圳市骅福瑞科技有限公司
Applicant: Shenzhen Huafurui Technology Co., Ltd.
单位地址: 深圳市南山区桃源街道留仙大道与塘岭路交汇处金骐智谷(崇文花园4号办公楼)14楼1401、1402房
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
测试地址: 广东省深圳市宝安区航城街道三围社区三围茶西工业区2栋1、6层, 518012
Test site: 1,6/F.,Building 2,Sanwei Chaxi Industrial Park,Sanwei Community,Hangcheng Street,Baoan Distrist,Shenzhen,Guangdong,China

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

样品名称(Sample Name) : Smart Phone
型号(Model) : KINGKONG CS
商标(Brand) : CUBOT
制造商(Manufacturer) : 深圳市骅福瑞科技有限公司 Shenzhen Huafurui Technology Co., Ltd.
地址(Address) : 深圳市南山区桃源街道留仙大道与塘岭路交汇处金骐智谷(崇文花园4号办公楼)14楼1401、1402房
: 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
收样日期(Sample Received Date) : 2020/01/17
测试周期(Testing Period) : 2020/01/17 - 2020/03/06

测试要求(Test Requested): 请参见后续页。(Please refer to following page(s).)
测试方法(Test Method): 请参见后续页。(Please refer to following page(s).)
测试结果(Test Result): 请参见后续页。(Please refer to following page(s).)



Approved by: Lewis

签发: 刘林文(Lewis)

技术总监(Technical Director)



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测试要求

Test Requested:

根据客户要求, 依据欧盟议会和欧盟理事会第2011/65/EU(RoHS)号指令及修正案(EU) 2015/863的要求, 通过XRF扫描和化学方法对送检样品中的铅、镉、汞、六价铬、多溴联苯、多溴二苯醚、DBP、BBP、DEHP、DIBP的含量进行测定。

As specified by client, to determine the Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs, DBP, BBP, DEHP, DIBP content in the submitted sample in accordance with Directive 2011/65/EU (RoHS) and its amendment directive (EU) 2015/863 on XRF and Chemical Method.

结论

Conclusion

合格

Pass

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Attestation of Global Compliance Std. & Tech.

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测试方法:

A: XRF 扫描 参照 IEC 62321-3-1 :2013 使用 X 射线荧光光谱仪对电子产品中的铅、汞、镉、总铬和总溴进行筛选(Screening by X-ray Fluorescence Spectrometry (XRF) :With reference to IEC 62321-3-1:2013 Screening – Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry)

B: 化学测试(Chemical test:)

测试项目 Test Item	测试方法 Test Method	测试仪器 Measuring Instrument	方法检出限 MDL
镉 (Cd) Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	2 mg/kg
铅 (Pb) Lead (Pb)	IEC 62321-5:2013	ICP-OES	2 mg/kg
汞 (Hg) Mercury (Hg)	IEC 62321-4: 2013+A1:2017	ICP-OES	2 mg/kg
非金属 Non-metal: 六价铬 (Cr ⁶⁺) Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2:2017	UV-Vis	1 mg/kg
金属 Metal: 六价铬 (Cr ⁶⁺) Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-1:2015	UV-Vis	/
PBBs/PBDEs	IEC 62321-6:2015	GC-MS	5 mg/kg
邻苯二甲酸二异丁酯 Di-iso-butyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS	50 mg/kg
邻苯二甲酸二正丁酯 Dibutyl phthalate (DBP)		GC-MS	50 mg/kg
邻苯二甲酸丁苄酯 Butylbenzyl phthalate (BBP)		GC-MS	50 mg/kg
邻苯二甲酸二(2-乙基己基)酯 Di-(2-ethylhexyl) Phthalate (DEHP)		GC-MS	50 mg/kg

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测试结果(Test Result(s)):

A. 欧盟议会和欧盟理事会第 2011/65/EU 号指令及其修正案中 XRF 扫描。
(EU RoHS Directive 2011/65/EU and its amendment directives on XRF)

序号 Seq. No.	测试部位 Tested Part(s)	测试结果 Results(mg/kg)				
		镉(Cd)	铅(Pb)	汞(Hg)	铬(Cr)	溴(Br)
1	触摸屏 (显示屏) Touch screen(Display screen)	BL	BL	BL	BL	BL
2	FPC (显示屏) FPC(Display screen)	BL	BL	BL	BL	BL
3	灰色导电胶布 (显示屏) Gray conductive tape (Display screen)	BL	BL	BL	BL	BL
4	金属壳 (显示屏) Metal shell(Display screen)	BL	BL	BL	X*	N/A
5	金属片 Metal sheet	BL	BL	BL	BL	N/A
6	黑色塑料框 (外壳) Black plastic frame	BL	BL	BL	BL	BL
7	橙色塑料 (外壳) Orange plastic	BL	BL	BL	BL	BL
8	灰色橡胶密封框 (后盖) (外壳) Grey rubber sealing frame (Back cover)(Shell)	BL	BL	BL	BL	BL
9	铜螺母 (后盖) (外壳) Copper nut (Back cover)(Shell)	BL	OL*	BL	BL	N/A
10	黑色塑料后盖 (后盖) (外壳) black plastic back cover (Back cover)(Shell)	BL	BL	BL	BL	BL
11	摄像头镜片 (后盖) (外壳) Camera lens (Back cover)(Shell)	BL	BL	BL	BL	BL
12	铜触针 (后盖) (外壳) Copper stylus (Back cover)(Shell)	BL	OL*	BL	BL	N/A
13	灰色金属 (外壳) Gray metal(Shell)	BL	OL*	BL	BL	N/A
14	黑色金属按键 (外壳) Black metal button(Shell)	BL	BL	BL	BL	N/A
15	金属弹片 (外壳) Metal shrapnel(Shell)	BL	BL	BL	BL	N/A
16	黑色螺丝 Black screw	BL	BL	BL	BL	N/A
17	金属螺丝 Metal screws	BL	BL	BL	X*	N/A
18	黑色塑料内壳 Black plastic inner shell	BL	BL	BL	BL	BL
19	黑色线皮 (天线) Black wire jacket(Antenna)	BL	BL	BL	BL	BL
20	金属壳 (马达) Metal shell(Motor)	BL	BL	BL	BL	N/A
21	红色线皮 (马达) Red wire jacket(Motor)	BL	BL	BL	X*	BL
22	蓝色线皮 (马达) Blue wire jacket(Motor)	BL	BL	BL	BL	BL
23	磁屏蔽罩 (扬声器) Magnetic shielding cover (Speaker)	BL	BL	BL	X*	N/A

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序号 Seq. No.	测试部位 Tested Part(s)	测试结果 Results(mg/kg)				
		镉(Cd)	铅(Pb)	汞(Hg)	铬(Cr)	溴(Br)
24	黑色塑料框 (扬声器) Black plastic frame(Speaker)	BL	BL	BL	BL	BL
25	金属壳 (摄像头) Metal shell(Camera)	BL	BL	BL	BL	N/A
26	摄像头镜片 (摄像头) Camera lens(Camera)	BL	BL	BL	BL	BL
27	黑色塑料座 (摄像头) Black plastic seat(Camera)	BL	BL	BL	BL	BL
28	FPC (摄像头) FPC(Camera)	BL	BL	BL	BL	BL
29	金属片 (摄像头) Metal sheet(Camera)	BL	BL	BL	X*	N/A
30	磁屏蔽罩 (听筒) Magnetic shielding cover (Receiver)	BL	BL	BL	X*	N/A
31	黑色塑料壳 (听筒) Black plastic shell(Receiver)	BL	BL	BL	BL	BL
32	金属壳 (听筒) Metal shell(Receiver)	BL	BL	BL	X*	N/A
33	黑色橡胶套管 (咪头) (蓝色 PCB) Black rubber sleeve (Microphone) (Blue PCB)	BL	BL	BL	BL	BL
34	贴片咪头 (咪头) (蓝色 PCB) Chip microphone (Microphone)(Blue PCB)	BL	BL	BL	BL	BL
35	PCB 板 (蓝色 PCB) PCB board(Blue PCB)	BL	BL	BL	BL	X*
36	焊锡 (蓝色 PCB) Tin solder(Blue PCB)	BL	BL	BL	BL	N/A
37	铜触针 (蓝色 PCB) Copper stylus(Blue PCB)	BL	BL	BL	X*	N/A
38	白色塑料座 (端子座) (蓝色 PCB) White plastic seat (Terminal block)(Blue PCB)	BL	BL	BL	BL	BL
39	黑色塑料扣 (端子座) (蓝色 PCB) Black plastic button (Terminal block)(Blue PCB)	BL	BL	BL	BL	BL
40	天线座 (蓝色 PCB) Antenna pedestal(Blue PCB)	BL	BL	BL	BL	BL
41	黑色塑料音频接头 (PCB) Black plastic audio connector (PCB)	BL	BL	BL	BL	BL
42	Micro 金属接头 (PCB) Micro metal connector(PCB)	BL	BL	BL	X*	N/A
43	黑色塑料接头 (Micro 接头) (PCB) Black plastic contact (Micro connector)(PCB)	BL	BL	BL	BL	BL
44	灯 (PCB) Lamp(PCB)	BL	BL	BL	BL	BL
45	贴片 IC (PCB) Chip IC(PCB)	BL	BL	BL	BL	BL
46	黑色塑料座 (端子座) (PCB) Black plastic seat (Terminal block) (PCB)	BL	BL	BL	BL	BL

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序号 Seq. No.	测试部位 Tested Part(s)	测试结果 Results(mg/kg)				
		镉(Cd)	铅(Pb)	汞(Hg)	铬(Cr)	溴(Br)
47	白色塑料扣 (端子座) (PCB) White plastic buckle (Terminal block) (PCB)	BL	BL	BL	BL	BL
48	贴片天线 (PCB) Patch antenna(PCB)	BL	BL	BL	BL	BL
49	贴片晶振 (PCB) Chip crystal oscillator(PCB)	BL	BL	BL	BL	BL
50	PCB板 (PCB) PCB board(PCB)	BL	BL	BL	BL	X*
51	焊锡 (PCB) Tin solder(PCB)	BL	BL	BL	BL	N/A
52	米白色塑料座 (PCB) White plastic seat(PCB)	BL	BL	BL	BL	BL
53	黑色塑料扣 (PCB) Black plastic button(PCB)	BL	BL	BL	BL	BL
54	金属壳 (内存卡座) (PCB) Metal shell (Memory card holder)(PCB)	BL	BL	BL	X*	N/A
55	灰色塑料座 (内存卡座) (PCB) Grey plastic seat (Memory card holder)(PCB)	BL	BL	BL	BL	BL
56	金属壳 (SIM卡座) Metal shell (SIM card holder)(PCB)	BL	BL	BL	X*	N/A
57	灰色塑料座 (SIM卡座) Grey plastic seat (SIM card holder)(PCB)	BL	BL	BL	BL	BL
58	绿色 PCB 模块板 (PCB) Green PCB module board (PCB)	BL	BL	BL	BL	X*
59	磁屏蔽罩 Magnetic shielding cover	BL	BL	BL	BL	N/A
60	黑色塑料片 Black plastic sheet	BL	BL	BL	BL	BL
61	茶色胶带 Brown tape	BL	BL	BL	BL	BL
62	PCB板 PCB board	BL	BL	BL	BL	X*
63	焊锡 Tin solder	BL	BL	BL	BL	N/A
USB 线 USB line						
64	白色握柄 White handle	BL	BL	BL	BL	BL
65	白色塑料插头 White plastic plug	BL	BL	BL	BL	BL
66	USB 金属插头 USB metal plug	BL	BL	BL	BL	N/A
67	焊锡 Tin solder	BL	BL	BL	BL	N/A
68	焊锡 Tin solder	BL	BL	BL	BL	N/A
69	灰色塑料插头 Grey plastic plug	BL	BL	BL	BL	BL
70	Micro 金属插头 Micro metal plug	BL	BL	BL	BL	N/A
71	白色外线皮 (电池) White outer wire jacket (Battery)	BL	BL	BL	BL	BL

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序号 Seq. No.	测试部位 Tested Part(s)		测试结果 Results(mg/kg)				
			镉(Cd)	铅(Pb)	汞(Hg)	铬(Cr)	溴(Br)
72	绿色线皮 (电池)	Green wire jacket(Battery)	BL	BL	BL	BL	BL
73	白色线皮 (电池)	White wire jacket(Battery)	BL	BL	BL	BL	BL
适配器 Adapter							
74	白色带印字塑料壳 (外壳)	White plastic shell with lettering(Shell)	BL	BL	BL	BL	BL
75	金属插头	Metal plug	BL	BL	BL	BL	N/A
76	棕色套管 (电解电容) (PCB 板)	Brown sleeve (Electrolytic capacitor) (PCB board)	BL	BL	BL	BL	BL
77	绿色套管 (电解电容) (PCB 板)	Green sleeving (Electrolytic capacitor) (PCB board)	BL	BL	BL	BL	BL
78	深绿色套管 (电解电容) (PCB 板)	Dark green casing (Electrolytic capacitor) (PCB board)	BL	BL	BL	BL	BL
79	黑色套管 (电阻) (PCB 板)	Black sleeving(Resistance) (PCB board)	BL	BL	BL	BL	BL
80	色环电阻 (电阻) (PCB 板)	Color ring resistance (Resistance)(PCB board)	BL	BL	BL	BL	BL
81	金属触针	Metal contact pins	BL	BL	BL	BL	N/A
82	绿色胶带 (变压器) (PCB 板)	Green tape(Transformer) (PCB board)	BL	BL	BL	BL	BL
83	黑色塑料骨架 (变压器) (PCB 板)	Black plastic skeleton (Transformer)(PCB board)	BL	BL	BL	BL	BL
84	USB 金属接头 (PCB 板)	USB metal joint(PCB board)	BL	BL	BL	BL	N/A
85	白色塑料接头 (PCB 板)	White plastic contact (PCB board)	BL	BL	BL	BL	X*
86	贴片 IC (PCB 板)	Chip IC(PCB board)	BL	BL	BL	BL	BL
87	贴片整流桥 (PCB 板)	Chip rectifier bridge (PCB board)	BL	BL	BL	BL	BL
88	PCB 板 (PCB 板)	PCB board(PCB board)	BL	BL	BL	BL	X*
89	焊锡 (PCB 板)	Tin solder(PCB board)	BL	BL	BL	BL	N/A
90	玻璃二极管 (PCB 板)	Glass diode(PCB board)	BL	OL	BL	BL	BL

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元素 Element	单位 Unit	非金属材料 Non-metal	金属材料 Metal	混合材料 Composite Material
镉(Cd)	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	BL≤50-3σ<X <150+3σ≤OL
铅(Pb)	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
汞(Hg)	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
铬(Cr)	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X
溴(Br)	mg/kg	BL≤300-3σ<X	N/A	BL≤250-3σ<X

备注(Note):

BL=低于限值(Below Limit)

OL=高于限值(Over limited)

X=不确定(Inconclusive)

“N/A”=不适用(Not applicable)

*= XRF 扫描显示需通过化学方法确认，化学测试结果请参见后续页。(Scanning by XRF and detected by chemical method. The test results of chemical method please refer to next pages.)

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备注(Remark):

- i 参照 IEC 62321-3-1:2013, 样品先用 XRF 进行筛选测试, 如果筛选测试的结果超过上表中列出的警戒值, 则需通过 ICP(对 Cd、Pb、Hg)、UV-Vis (对 Cr(VI))和 GC-MS (对 PBBs, PBDEs)作进一步的化学测试进行确认。
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.
- ii 用 XRF 筛选测试限制元素, 读数可能不同于具有不均匀结构的样品中的实际含量。
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 最大的允许限值是自引自 RoHS 指令 2011/65/EU 及修正案(EU) 2015/863。
The maximum permissible limit is quoted from RoHS directive 2011/65/EU and its amendment directive (EU) 2015/863:

RoHS 限制物质(RoHS Restricted Substances)	最大浓度(Maximum Concentration Value) 均一材质(by weight in homogenous materials) (mg/kg)
镉 Cadmium (Cd)	100
铅 Lead (Pb)	1000
汞 Mercury (Hg)	1000
六价铬 Hexavalent Chromium (Cr(VI))	1000
多溴联苯 Polybrominated biphenyls (PBBs)	1000
多溴二苯醚 Polybrominated diphenylethers (PBDEs)	1000
邻苯二甲酸二异丁酯 Di-iso-butyl phthalate (DIBP)	1000
邻苯二甲酸二正丁酯 Dibutyl phthalate (DBP)	1000
邻苯二甲酸丁苄酯 Butylbenzyl phthalate (BBP)	1000
邻苯二甲酸二(2-乙基己基)酯 Di-(2-ethylhexyl) Phthalate (DEHP)	1000

免责声明(Disclaimers):

XRF 扫描报告仅供参考, 申请者必须自己确认本 XRF 扫描报告所提供的信息能满足/他/她的用途。

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.

基于不同的因素, 本 XRF 扫描报告显示结果有所不同, 包括但不限于样品的尺寸、厚度、面积、表面光滑度、设备参数和基体效应(例如塑胶、橡胶、金属、玻璃、陶瓷等等)。为获得数据资料, 要求有相关化学分析设备作进一步湿化学预处理。

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、化学测试结果(The Test Results of Chemical Method):

1) Pb 测试结果(The Test Results of Pb)

测试项目 Test Item(s)	单位 Unit	结果 Result(s)		
		9	12	13
铅 Lead(Pb)	mg/kg	26529	14668	443

备注(Note): N.D.=未检出或低于方法检出限(Not Detected or less than MDL)

MDL=方法检出限(Method Detection Limit)

mg/kg =parts per million 百万分之一;

2) 非金属六价铬结果(The Test Results of non-metal Cr(VI))

测试项目 Test Item(s)	单位 Unit	结果 Result(s)		限值 Limit
		17	21	
六价铬 Hexavalent Chromium(Cr ⁶⁺)	mg/kg	N.D.	N.D.	1000

备注(Note): N.D. =未检出或低于方法检出限(Not Detected or less than MDL)

MDL = 方法检出限(Method Detection Limit)

mg/kg =parts per million 百万分之一;

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3) 金属六价铬结果(The Test Results of metal Cr(VI))

测试项目 Test Item(s)	方法检出限 MDL	结果 Result(s)				限值 Limit
		4	23	29	30	
六价铬 Hexavalent Chromium (Cr (VI))	见备注 See note	阴性 (Negative)	阴性 (Negative)	阴性 (Negative)	阴性 (Negative)	#

测试项目 Test Item(s)	方法检出限 MDL	结果 Result(s)					限值 Limit
		32	37	42	54	56	
六价铬 Hexavalent Chromium (Cr (VI))	见备注 See note	阴性 (Negative)	阴性 (Negative)	阴性 (Negative)	阴性 (Negative)	阴性 (Negative)	#

备注(Note):

- 阴性(Negative)= 测试区域不存在六价铬(Absence of Cr(VI) on the tested areas)
- MDL = 方法检出限(Method Detection Limit)
- N.D.= 未检出 (小于方法检出限) (Not Detected(less than method detection limit))
- Boiling-water-extraction 沸水提取: (X represents the results of the tested sample / X 为待测样品结果)

Number 序号	Colorimetric result (Cr(VI) concentration) 比色结果(铬(VI)浓度)	Judgement 判定
1	$X < 0.1 \mu\text{g}/\text{cm}^2$	Negative 阴性
2	$0.1 \mu\text{g}/\text{cm}^2 \leq X \leq 0.13 \mu\text{g}/\text{cm}^2$	Uncertainty 不确定
3	$X > 0.13 \mu\text{g}/\text{cm}^2$	Positive 阳性

- # =
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. 阴性表明测试区域内六价铬含量低于定量极限, 认定镀层不存在六价铬;
Uncertainty indicates the absence of Cr(VI) on the tested areas unavoidable coating variations may influence the determination. 不确定表明测试区域镀层六价铬的不可避免的变化影响结果判定, 导致无法判定结果;
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). 阳性表明测试区域内六价铬含量高于定量极限, 认定镀层含有六价铬;
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. 由于未获知样品的存储条件和生产日期、样品的六价铬测试结果仅代表测试时样品的状态。

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4) PBBs 和 PBDEs 测试结果(The Test Results of PBBs & PBDEs)

单位(Unit): mg/kg

测试项目 Test Item(s)	方法检出限 MDL	结果 Result(s)			限值 Limit
		35	50	58	
多溴联苯 Polybrominated Biphenyls (PBBs)					
一溴联苯 Monobromobiphenyl	5	N.D.	N.D.	N.D.	PBBs 总含量<1000 mg/kg (Total PBBs Content <1000)
二溴联苯 Dibromobiphenyl	5	N.D.	N.D.	N.D.	
三溴联苯 Tribromobiphenyl	5	N.D.	N.D.	N.D.	
四溴联苯 Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	
五溴联苯 Pentabromobiphenyl	5	N.D.	N.D.	N.D.	
六溴联苯 Hexabromobiphenyl	5	N.D.	N.D.	N.D.	
七溴联苯 Heptabromobiphenyl	5	N.D.	N.D.	N.D.	
八溴联苯 Octabromobiphenyl	5	N.D.	N.D.	N.D.	
九溴联苯 Nonabromobiphenyl	5	N.D.	N.D.	N.D.	
十溴联苯 Decabromobiphenyl	5	N.D.	N.D.	N.D.	
总含量 Total content	/	N.D.	N.D.	N.D.	
多溴二苯醚 Polybrominated Diphenylethers (PBDEs)					
一溴二苯醚 Monobromodiphenyl ether	5	N.D.	N.D.	N.D.	PBDEs 总含量<1000 mg/kg (Total PBDEs Content <1000)
二溴二苯醚 Dibromodiphenyl ether	5	N.D.	N.D.	N.D.	
三溴二苯醚 Tribromodiphenyl ether	5	N.D.	N.D.	N.D.	
四溴二苯醚 Tetrabromodiphenyl ether	5	N.D.	N.D.	N.D.	
五溴二苯醚 Pentabromodiphenyl ether	5	N.D.	N.D.	N.D.	
六溴二苯醚 Hexabromodiphenyl ether	5	N.D.	N.D.	N.D.	
七溴二苯醚 Heptabromodiphenyl ether	5	N.D.	N.D.	N.D.	
八溴二苯醚 Octabromodiphenyl ether	5	N.D.	N.D.	N.D.	
九溴二苯醚 Nonabromodiphenyl ether	5	N.D.	N.D.	N.D.	
十溴二苯醚 Decabromodiphenyl ether	5	N.D.	N.D.	N.D.	
总含量 Total content	/	N.D.	N.D.	N.D.	
结论 Conclusion	/	合格 Pass	合格 Pass	合格 Pass	/

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单位(Unit): mg/kg

测试项目 Test Item(s)	方法检出限 MDL	结果 Result(s)			限值 Limit
		62	85	88	
多溴联苯 Polybrominated Biphenyls (PBBs)					
一溴联苯 Monobromobiphenyl	5	N.D.	N.D.	N.D.	PBBs 总含量<1000 mg/kg (Total PBBs Content <1000)
二溴联苯 Dibromobiphenyl	5	N.D.	N.D.	N.D.	
三溴联苯 Tribromobiphenyl	5	N.D.	N.D.	N.D.	
四溴联苯 Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	
五溴联苯 Pentabromobiphenyl	5	N.D.	N.D.	N.D.	
六溴联苯 Hexabromobiphenyl	5	N.D.	N.D.	N.D.	
七溴联苯 Heptabromobiphenyl	5	N.D.	N.D.	N.D.	
八溴联苯 Octabromobiphenyl	5	N.D.	N.D.	N.D.	
九溴联苯 Nonabromobiphenyl	5	N.D.	N.D.	N.D.	
十溴联苯 Decabromobiphenyl	5	N.D.	N.D.	N.D.	
总含量 Total content	/	N.D.	N.D.	N.D.	
多溴二苯醚 Polybrominated Diphenylethers (PBDEs)					
一溴二苯醚 Monobromodiphenyl ether	5	N.D.	N.D.	N.D.	PBDEs 总含量<1000 mg/kg (Total PBDEs Content <1000)
二溴二苯醚 Dibromodiphenyl ether	5	N.D.	N.D.	N.D.	
三溴二苯醚 Tribromodiphenyl ether	5	N.D.	N.D.	N.D.	
四溴二苯醚 Tetrabromodiphenyl ether	5	N.D.	N.D.	N.D.	
五溴二苯醚 Pentabromodiphenyl ether	5	N.D.	N.D.	N.D.	
六溴二苯醚 Hexabromodiphenyl ether	5	N.D.	N.D.	N.D.	
七溴二苯醚 Heptabromodiphenyl ether	5	N.D.	N.D.	N.D.	
八溴二苯醚 Octabromodiphenyl ether	5	N.D.	N.D.	N.D.	
九溴二苯醚 Nonabromodiphenyl ether	5	N.D.	N.D.	N.D.	
十溴二苯醚 Decabromodiphenyl ether	5	N.D.	N.D.	N.D.	
总含量 Total content	/	N.D.	N.D.	N.D.	
结论 Conclusion	/	合格 Pass	合格 Pass	合格 Pass	/

备注(Note): N.D. =未检出或低于方法检出限(Not Detected or less than MDL)

MDL = 方法检出限(Method Detection Limit)

mg/kg =parts per million 百万分之一;

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5) DBP, BBP, DEHP, DIBP 的含量 (For DBP, BBP, DEHP, DIBP content)

单位(Unit): mg/kg

测试项目 Test item 限值 Limit 序号 Seq. No.	DIBP	DBP	BBP	DEHP	结论 (Conclusion)
	1000	1000	1000	1000	
1	N.D.	N.D.	N.D.	N.D.	合格(Pass)
2	N.D.	N.D.	N.D.	N.D.	合格(Pass)
3	N.D.	N.D.	N.D.	N.D.	合格(Pass)
6	N.D.	N.D.	N.D.	N.D.	合格(Pass)
7	N.D.	N.D.	N.D.	N.D.	合格(Pass)
8	N.D.	N.D.	N.D.	N.D.	合格(Pass)
10	N.D.	N.D.	N.D.	N.D.	合格(Pass)
11	N.D.	N.D.	N.D.	N.D.	合格(Pass)
18	N.D.	N.D.	N.D.	N.D.	合格(Pass)
19	N.D.	N.D.	N.D.	N.D.	合格(Pass)
21	N.D.	N.D.	N.D.	N.D.	合格(Pass)
22	N.D.	N.D.	N.D.	N.D.	合格(Pass)
24	N.D.	N.D.	N.D.	N.D.	合格(Pass)
26	N.D.	N.D.	N.D.	N.D.	合格(Pass)
27	N.D.	N.D.	N.D.	N.D.	合格(Pass)
28	N.D.	N.D.	N.D.	N.D.	合格(Pass)
31	N.D.	N.D.	N.D.	N.D.	合格(Pass)
33	N.D.	N.D.	N.D.	N.D.	合格(Pass)
34	N.D.	N.D.	N.D.	N.D.	合格(Pass)
35	N.D.	N.D.	N.D.	N.D.	合格(Pass)
38	N.D.	N.D.	N.D.	N.D.	合格(Pass)
39	N.D.	N.D.	N.D.	N.D.	合格(Pass)
40	N.D.	N.D.	N.D.	N.D.	合格(Pass)
41	N.D.	N.D.	N.D.	N.D.	合格(Pass)

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测试项目 Test item 限值 Limit 序号 Seq. No.	DIBP	DBP	BBP	DEHP	结论 (Conclusion)
	1000	1000	1000	1000	
43	N.D.	N.D.	N.D.	N.D.	合格(Pass)
44	N.D.	N.D.	N.D.	N.D.	合格(Pass)
45	N.D.	N.D.	N.D.	N.D.	合格(Pass)
46	N.D.	N.D.	N.D.	N.D.	合格(Pass)
47	N.D.	N.D.	N.D.	N.D.	合格(Pass)
48	N.D.	N.D.	N.D.	N.D.	合格(Pass)
49	N.D.	N.D.	N.D.	N.D.	合格(Pass)
50	N.D.	N.D.	N.D.	N.D.	合格(Pass)
52	N.D.	N.D.	N.D.	N.D.	合格(Pass)
53	N.D.	N.D.	N.D.	N.D.	合格(Pass)
55	N.D.	N.D.	N.D.	N.D.	合格(Pass)
57	N.D.	N.D.	N.D.	N.D.	合格(Pass)
58	N.D.	N.D.	N.D.	N.D.	合格(Pass)
60	N.D.	N.D.	N.D.	N.D.	合格(Pass)
61	N.D.	N.D.	N.D.	N.D.	合格(Pass)
62	N.D.	N.D.	N.D.	N.D.	合格(Pass)
64	N.D.	N.D.	N.D.	N.D.	合格(Pass)
65	N.D.	N.D.	N.D.	N.D.	合格(Pass)
69	N.D.	N.D.	N.D.	N.D.	合格(Pass)
71	N.D.	N.D.	N.D.	N.D.	合格(Pass)
72	N.D.	N.D.	N.D.	N.D.	合格(Pass)
73	N.D.	N.D.	N.D.	N.D.	合格(Pass)
74	N.D.	N.D.	N.D.	N.D.	合格(Pass)
76	N.D.	N.D.	N.D.	N.D.	合格(Pass)
77	N.D.	N.D.	N.D.	N.D.	合格(Pass)
78	N.D.	N.D.	N.D.	N.D.	合格(Pass)

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测试项目 Test item 限值 Limit 序号 Seq. No.	DIBP	DBP	BBP	DEHP	结论 (Conclusion)
	1000	1000	1000	1000	
79	N.D.	N.D.	N.D.	N.D.	合格(Pass)
80	N.D.	N.D.	N.D.	N.D.	合格(Pass)
82	N.D.	N.D.	N.D.	N.D.	合格(Pass)
83	N.D.	N.D.	N.D.	N.D.	合格(Pass)
85	N.D.	N.D.	N.D.	N.D.	合格(Pass)
86	N.D.	N.D.	N.D.	N.D.	合格(Pass)
87	N.D.	N.D.	N.D.	N.D.	合格(Pass)
88	N.D.	N.D.	N.D.	N.D.	合格(Pass)
90	N.D.	N.D.	N.D.	N.D.	合格(Pass)

备注(Note)

1. MDL=Method Detection Limit 方法检出限;
2. N.D.=Not Detected(less than method detection limit), 未检出 (小于方法检出限);

备注 Remark:

豁免项目 Exemption

序号 Seq. No	豁免条款 Exemption clause	内容 Content
90	7(c)-I	电子电气器件的玻璃或陶瓷（电容中介电陶瓷除外）中的铅，或玻璃或陶瓷复合材料中的铅（例如：压电陶瓷器件） Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
9 12	6(c)	铜合金中的铅含量不应该超过 4% Copper alloy containing up to 4% lead by weight

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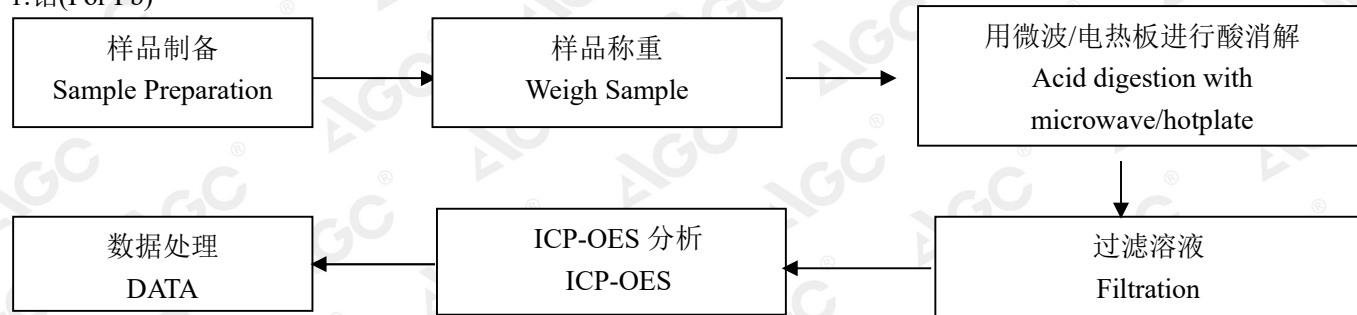
报告编号(Report No.): AGC00552200101-001

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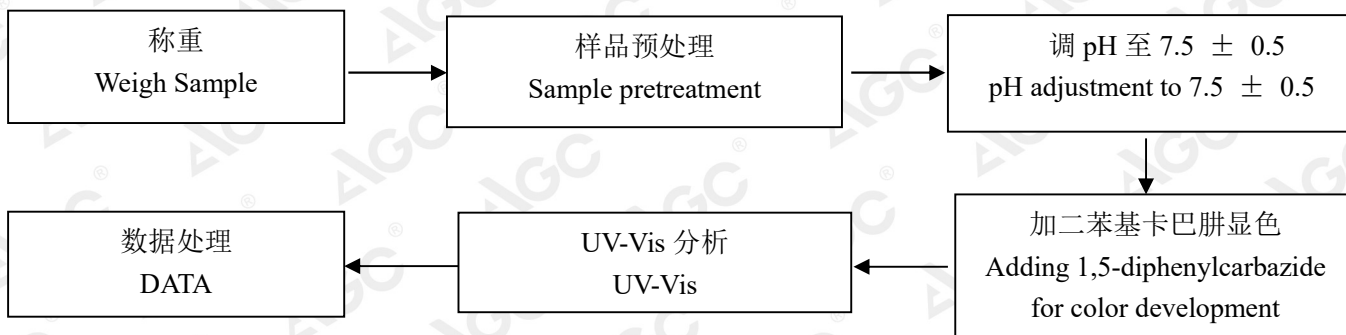
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测试流程图(Test Flow Chart)

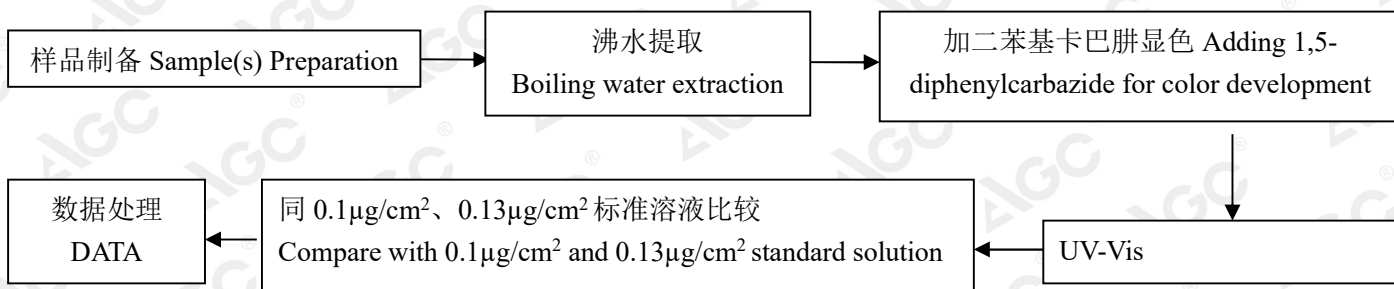
1. 铅(For Pb)



2. 非金属六价铬 (For non-metal Cr(VI))

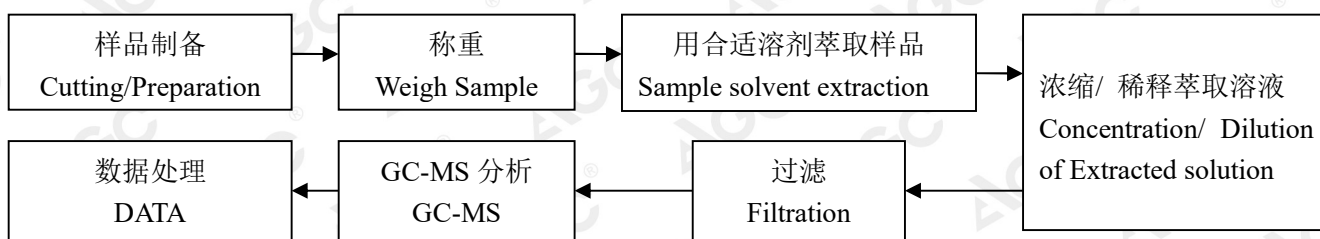


3. 金属六价铬 (For metal Cr(VI))



4. PBBs, PBDEs, DBP, BBP, DEHP, DIBP 的测试流程图

(The Test Flow Chart of PBBs, PBDEs, DBP, BBP, DEHP, DIBP)



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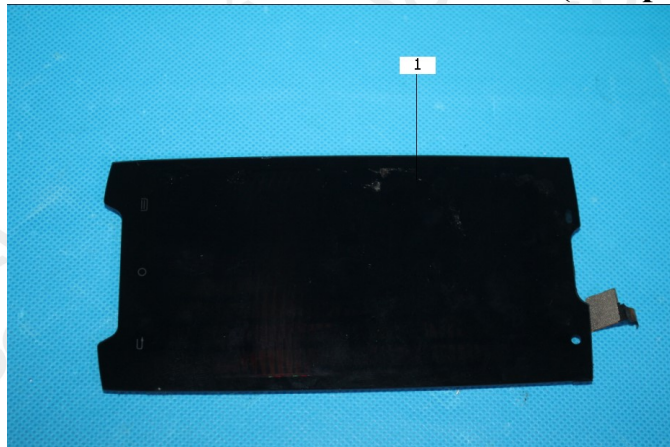
测试报告(Test Report)

报告编号(Report No.): AGC00552200101-001

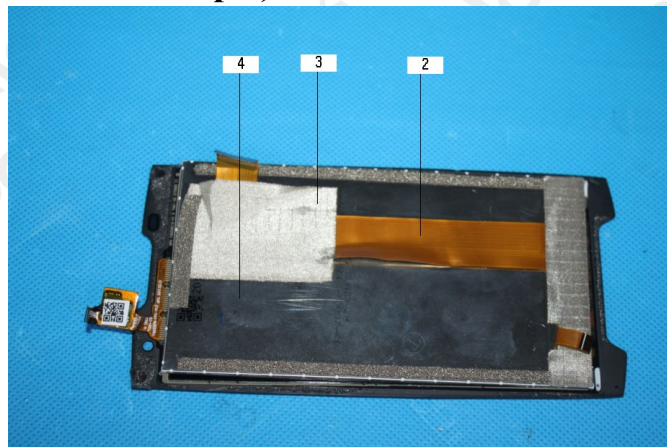
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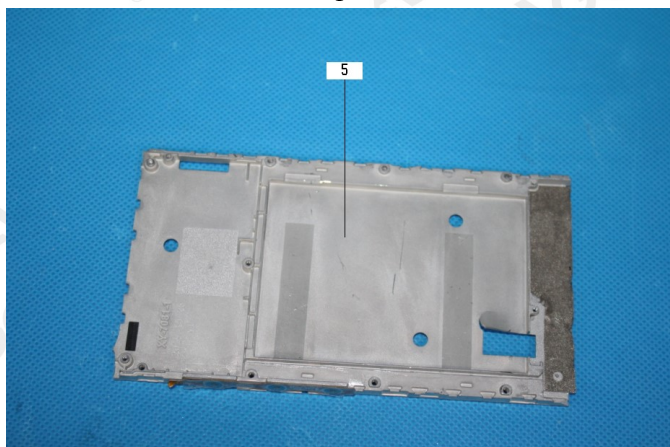
样品附图(The photo of the sample)



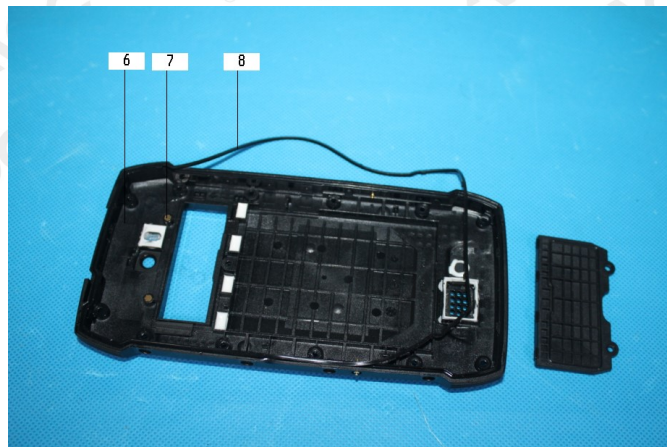
1



2



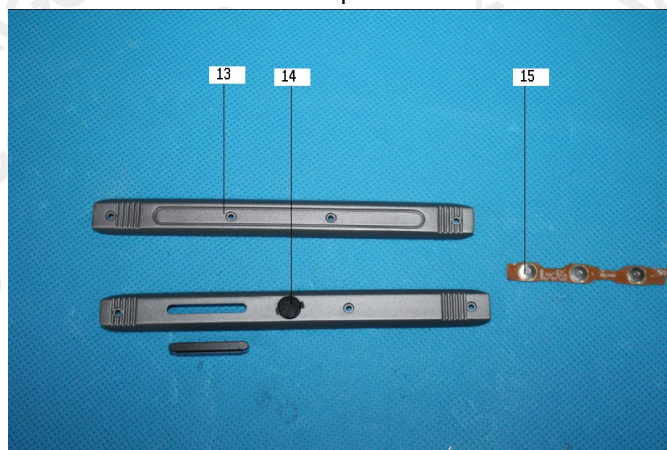
3



4



5



6

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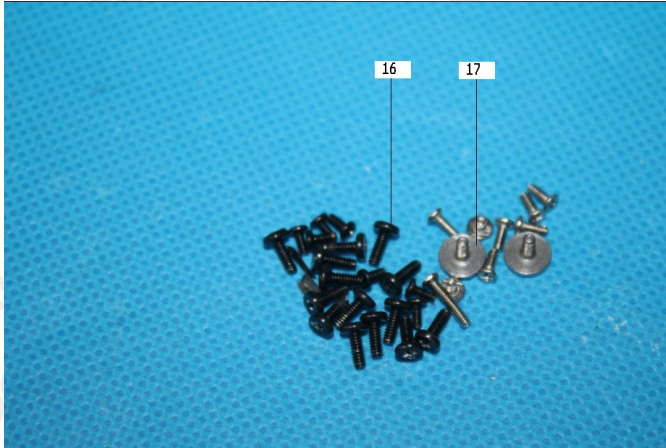


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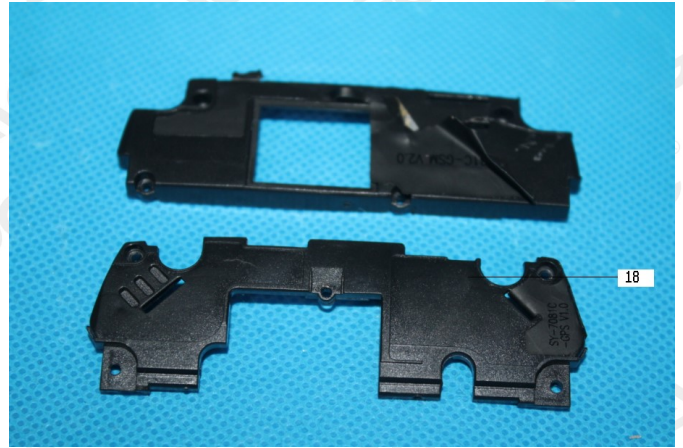
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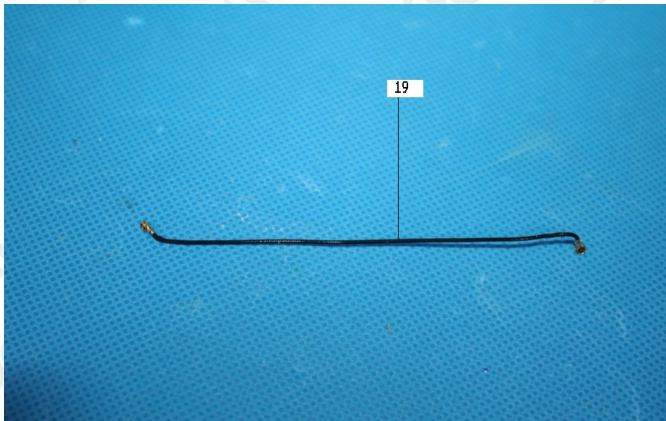
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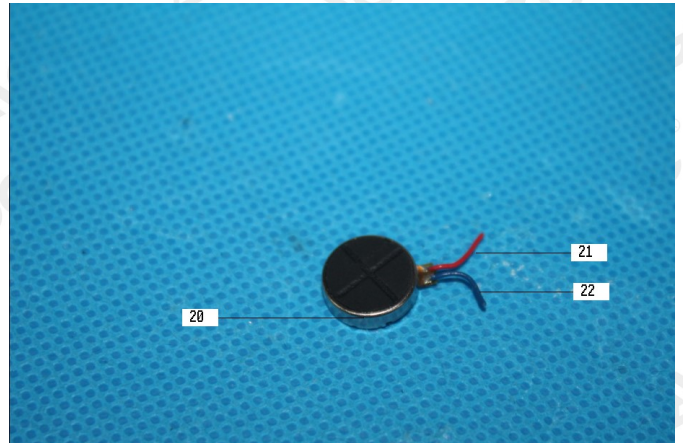
7



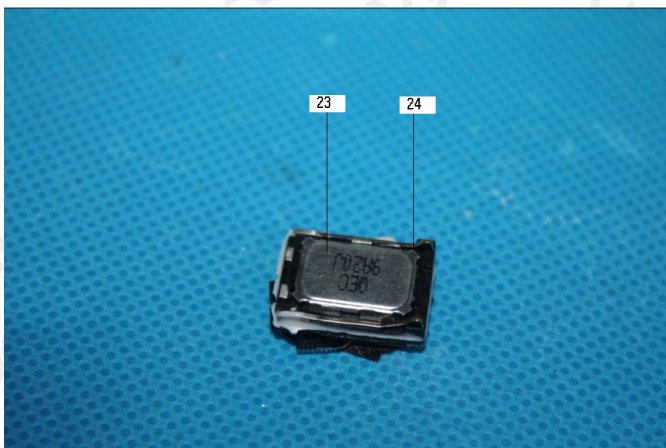
8



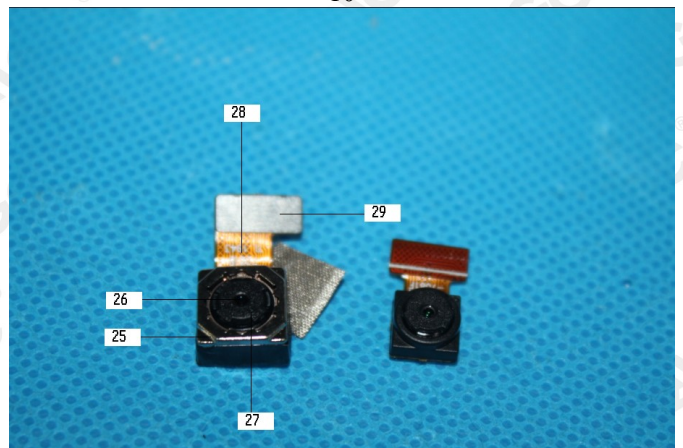
9



10



11



12

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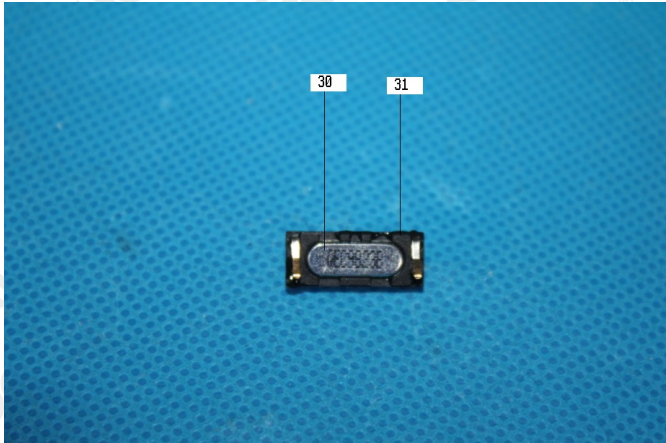


测试报告(Test Report)

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日期(Date): 2020/03/06

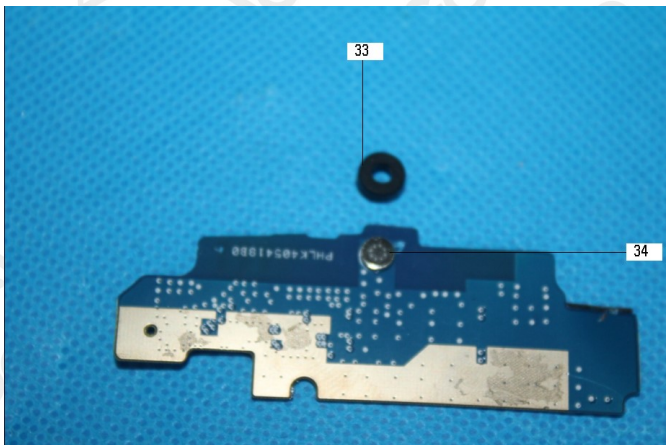
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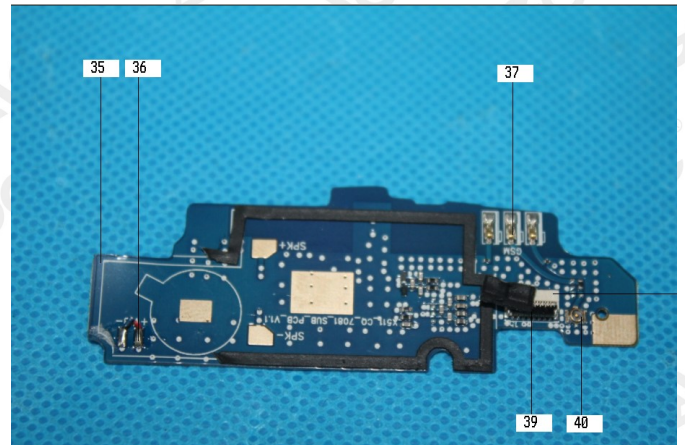
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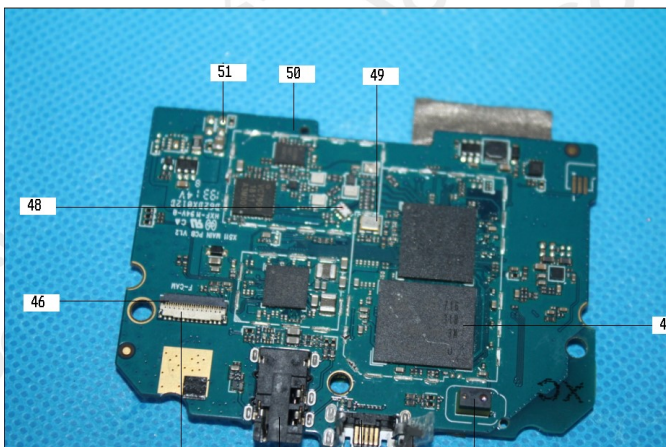
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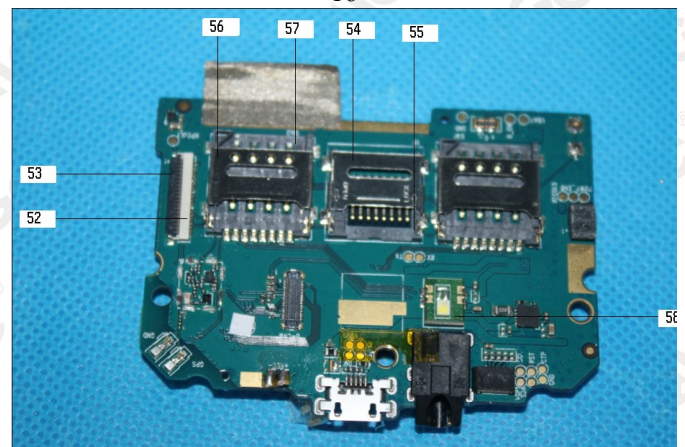
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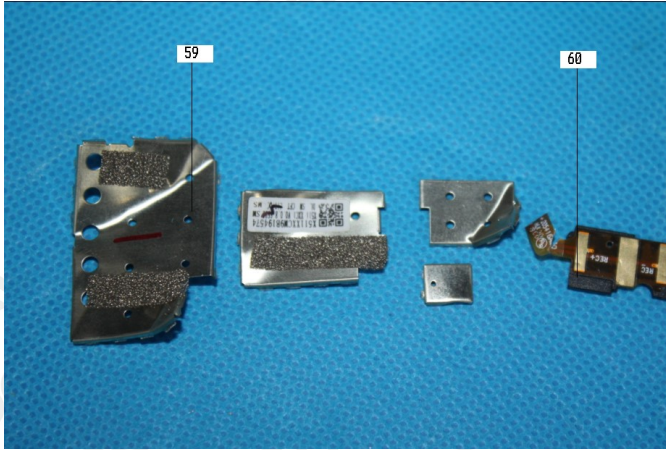
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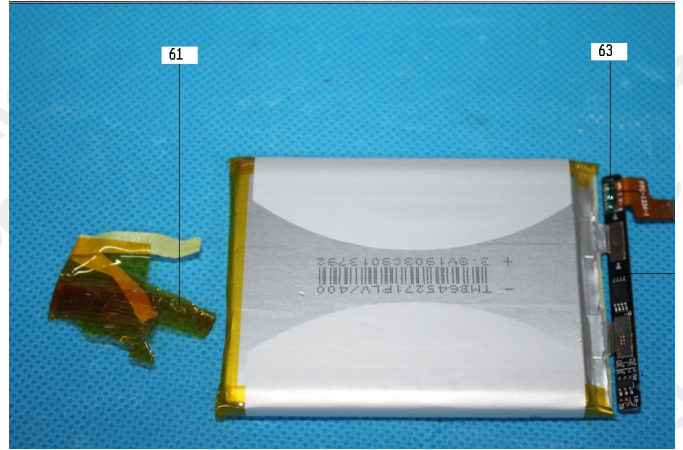
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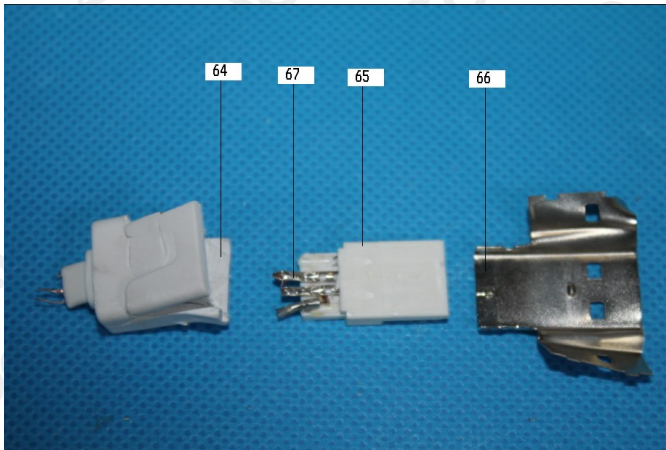
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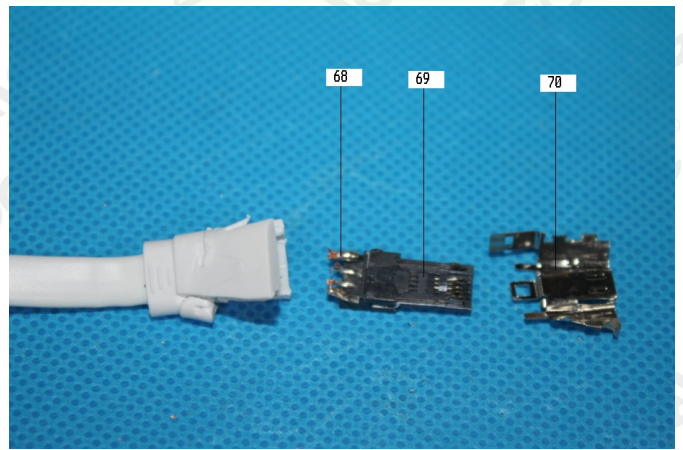
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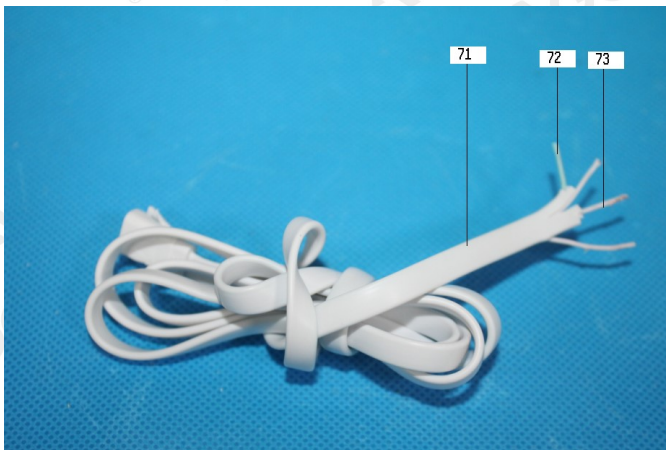
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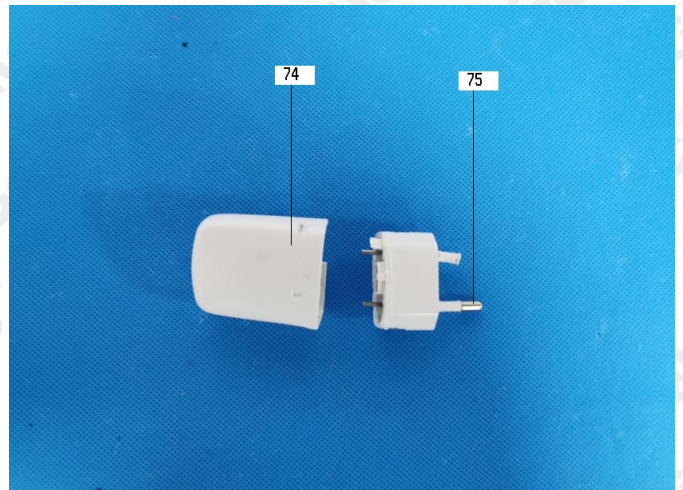
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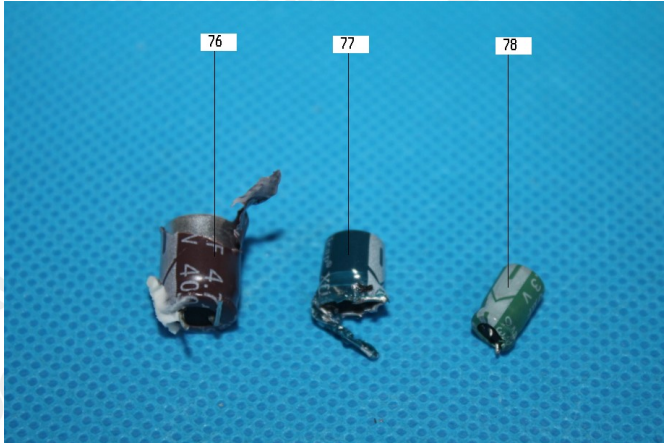


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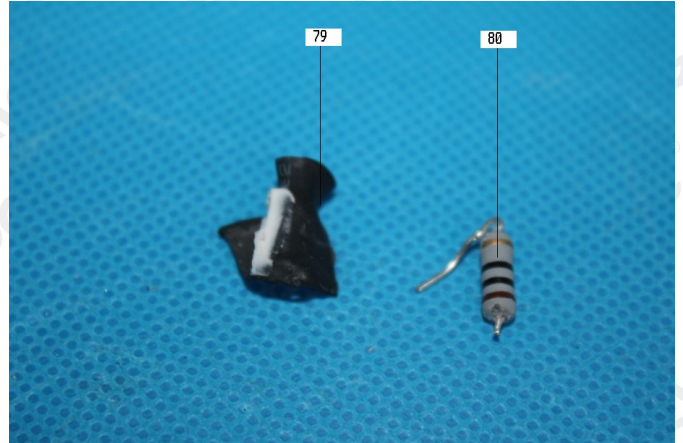
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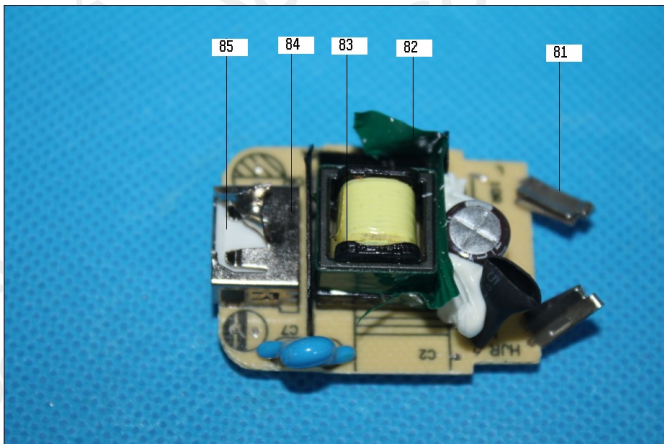
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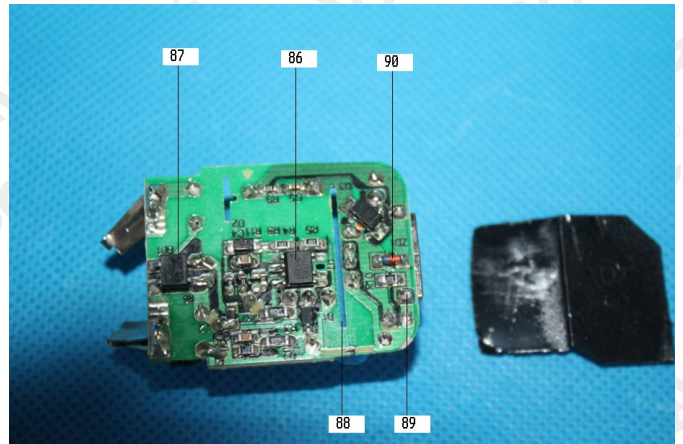
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