

# Test Report

Report No.: AGC00552191001-001

Date: Oct.23, 2019

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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  
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: X19 S  
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: Oct.14, 2019  
Testing Period: Oct.14, 2019 to Oct.23, 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:   
Linwen, Lewis  
Technical Director



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**Test Requested:**

As specified by client, to determine the Pb, Cd, Hg, Cr<sup>6+</sup>, 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.

**Conclusion**

**Pass**

**Test Methods:**

A: 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: Chemical test:

Test Item	Test Method	Measuring Instrument	MDL
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	2 mg/kg
Lead (Pb)	IEC 62321-5:2013	ICP-OES	2 mg/kg
Mercury (Hg)	IEC 62321-4: 2013+A1:2017	ICP-OES	2 mg/kg
Non-metal Hexavalent Chromium (Cr <sup>6+</sup> )	IEC 62321-7-2:2017	UV-Vis	1 mg/kg
Metal Hexavalent Chromium (Cr <sup>6+</sup> )	IEC 62321-7-1:2015	UV-Vis	/
PBBs/PBDEs	IEC 62321-6:2015	GC-MS	5 mg/kg
Di-iso-butyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS	50 mg/kg
Dibutyl phthalate (DBP)		GC-MS	50 mg/kg
Butylbenzyl phthalate (BBP)		GC-MS	50 mg/kg
Di-(2-ethylhexyl) Phthalate (DEHP)		GC-MS	50 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(Display total screen)	BL	BL	BL	BL	BL
2	Black FPC(Display total screen)	BL	BL	BL	BL	BL
3	Reflector panel(Display total screen)	BL	BL	BL	BL	BL
4	Lower diffusion(Display total screen)	BL	BL	BL	BL	BL
5	Light guide plate(Display total screen)	BL	BL	BL	BL	BL
6	White plastic box(Display total screen)	BL	BL	BL	BL	BL
7	Grey fabric(Display total screen)	BL	BL	BL	BL	BL
8	Black plastic frame(Shell)	BL	BL	BL	BL	BL
9	Copper nut(Shell)	BL	BL	BL	BL	N/A
10	Silver metal plate(Shell)	BL	BL	BL	BL	N/A
11	Gun color plastic frame(Shell)	BL	BL	BL	BL	BL
12	Camera lens(Shell)	BL	BL	BL	BL	BL
13	black plastic back cover(Back cover)	BL	BL	BL	BL	BL
14	Silvery metal ring(Back cover)	BL	BL	BL	BL	N/A
15	Black screw	BL	BL	BL	BL	N/A
16	White plastic shell(speaker)	BL	BL	BL	BL	BL
17	Black plastic shell(speaker)	BL	BL	BL	BL	BL
18	Magnetic shielding cover(speaker)	BL	BL	BL	X*	N/A
19	Silver magnet(speaker)	BL	BL	BL	BL	N/A
20	Black plastic frame(Receiver)	BL	BL	BL	BL	BL
21	Magnetic shielding cover(Receiver)	BL	BL	BL	BL	N/A
22	Silver magnet(Receiver)	BL	BL	BL	BL	N/A
23	Silver metal shell(motor)	BL	BL	BL	BL	N/A
24	Red wire jacket(motor)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
25	Blue wire jacket(motor)	BL	BL	BL	BL	BL
26	Silver metal shell(Camera)	BL	BL	BL	X*	N/A
27	Black plastic seat(Camera)	BL	BL	BL	BL	BL
28	Transparent lens(Camera)	BL	BL	BL	BL	BL
29	Black fingerprint lock(Fingerprint lock)	BL	BL	BL	BL	BL
30	Silver metal sheet(Fingerprint lock)	BL	BL	BL	X*	N/A
31	Black wire jacket(antenna)	BL	BL	BL	BL	BL
32	FPC	BL	BL	BL	BL	BL
33	PCB(Green PCB)	BL	BL	BL	BL	X*
34	Tin solder(Green PCB)	BL	BL	BL	BL	N/A
35	TYPE-C metal connector(TYPE-C connector) (Green PCB)	BL	BL	BL	X*	N/A
36	Grey plastic joint(TYPE-C connector) (Green PCB)	BL	BL	BL	BL	BL
37	Copper stylus(Green PCB)	BL	BL	BL	X*	N/A
38	Chip microphone(Green PCB)	BL	BL	BL	BL	BL
39	Grey plastic terminal block(Green PCB)	BL	BL	BL	BL	BL
40	PCB(Blue PCB)	BL	BL	BL	BL	X*
41	Tin solder(Blue PCB)	BL	BL	BL	BL	N/A
42	Chip IC(Blue PCB)	BL	BL	BL	BL	BL
43	Grey plastic terminal block(Blue PCB)	BL	BL	BL	BL	BL
44	Chip capacitor(Blue PCB)	BL	BL	BL	BL	BL
45	Gray inductance(Blue PCB)	BL	BL	BL	BL	BL
46	Patch antenna(Blue PCB)	BL	BL	BL	BL	BL
47	Chip crystal oscillator(Blue PCB)	BL	BL	BL	BL	BL
48	Metal cover(Memory card holder) (Blue PCB)	BL	BL	BL	X*	N/A
49	White plastic seat(Memory card holder) (Blue PCB)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
50	Contact pin(Memory card holder) (Blue PCB)	BL	BL	BL	X*	N/A
51	Black metal cassette(Memory card holder) (Blue PCB)	BL	BL	BL	BL	N/A
52	Black plastic audio connector(Blue PCB)	BL	BL	BL	BL	BL
53	Brown tape(Blue PCB)	BL	BL	BL	BL	BL
54	Black plastic cover(Blue PCB)	BL	BL	BL	BL	BL
55	Black rubber sleeve(Blue PCB)	BL	BL	BL	BL	BL
56	Shielding case(Blue PCB)	BL	BL	BL	BL	N/A
57	Grey fabric(Blue PCB)	BL	BL	BL	BL	BL
58	Tawny tape(Battery)	BL	BL	BL	BL	BL
59	PCB(Battery)	BL	BL	BL	BL	X*
60	Tin solder(Battery)	BL	BL	BL	BL	N/A
61	Chip IC(Battery)	BL	BL	BL	BL	BL
Adapter						
62	White plastic shell(Shell)	BL	BL	BL	BL	BL
63	Metal plug(Shell)	BL	BL	BL	BL	N/A
64	Brown sleeve(Electrolytic capacitor)(PCB)	BL	BL	BL	BL	BL
65	Green sleeving(Electrolytic capacitor) (PCB)	BL	BL	BL	BL	BL
66	Black sleeving(Electrolytic capacitor) (PCB)	BL	BL	BL	BL	BL
67	Black sleeving(Color ring resistance) (PCB)	BL	BL	BL	BL	BL
68	Metal contact piece(PCB)	BL	BL	BL	BL	N/A
69	Black plastic skeleton(Transformer) (PCB)	BL	BL	BL	BL	BL
70	Yellow tape(Transformer) (PCB)	BL	BL	BL	BL	BL
71	Blue ceramic capacitor(PCB)	BL	BL	BL	BL	BL
72	Chromatic ring inductor(PCB)	BL	BL	BL	BL	BL
73	Chip IC(PCB)	BL	BL	BL	BL	BL
74	Chip rectifier bridge(PCB)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results(mg/kg)				
		Cd	Pb	Hg	Cr	Br
75	PCB(PCB)	BL	BL	BL	BL	X*
76	Tin solder(PCB)	BL	BL	BL	BL	N/A
USB line						
77	White handle(USB plug)	BL	BL	BL	BL	BL
78	White plastic plug(USB plug)	BL	BL	BL	BL	BL
79	USB metal plug(USB plug)	BL	BL	BL	BL	N/A
80	Tin solder(USB plug)	BL	BL	BL	BL	N/A
81	Tin solder(TYPE-C plug)	BL	BL	BL	BL	N/A
82	Grey plastic plug(TYPE-C plug)	BL	BL	BL	BL	BL
83	Thimble(TYPE-C plug)	BL	BL	BL	X*	N/A
84	White plastic plug(TYPE-C plug)	BL	BL	BL	BL	BL
85	Type-c metal plug(TYPE-C plug)	BL	BL	BL	X*	N/A
86	PCB(TYPE-C plug)	BL	BL	BL	BL	X*
87	White outer wire jacket(Wire rod)	BL	BL	BL	BL	BL
88	Black wire jacket(Wire rod)	BL	BL	BL	BL	BL
89	Green wire jacket(Wire rod)	BL	BL	BL	BL	BL
90	White wire jacket(Wire rod)	BL	BL	BL	BL	BL
91	Red wire jacket(Wire rod)	BL	BL	BL	BL	BL

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

Note: BL= Below Limit  
 OL= Over limited  
 X= Inconclusive  
 "N/A"= Not applicable  
 \*= 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.
- 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 and its amendment directive (EU) 2015/863:

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
Polybrominateddiphenylethers (PBDEs)	1000
Di-iso-butyl phthalate (DIBP)	1000
Dibutyl phthalate (DBP)	1000
Butylbenzyl phthalate (BBP)	1000
Di-(2-ethylhexyl) Phthalate (DEHP)	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 metalCr<sup>6+</sup>

Test Item(s)	MDL	Result(s)					Limit
		18	26	30	35	37	
Hexavalent Chromium (Cr <sup>6+</sup> )	See note	Negative	Negative	Negative	Negative	Negative	#

Test Item(s)	MDL	Result(s)				Limit
		48	50	83	85	
Hexavalent Chromium (Cr <sup>6+</sup> )	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 <sup>2</sup> 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 <sup>2</sup> and ≤ the 0,13 µg/cm <sup>2</sup> 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 <sup>2</sup> 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
		33	40	59	
<b>Polybrominated Biphenyls (PBBs)</b>					
Monobromobiphenyl	5	N.D.	N.D.	N.D.	Total PBBs Content <1000
Dibromobiphenyl	5	N.D.	N.D.	N.D.	
Tribromobiphenyl	5	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	
Pentabromobiphenyl	5	N.D.	N.D.	N.D.	
Hexabromobiphenyl	5	N.D.	N.D.	N.D.	
Heptabromobiphenyl	5	N.D.	N.D.	N.D.	
Octabromobiphenyl	5	N.D.	N.D.	N.D.	
Nonabromodiphenyl	5	N.D.	N.D.	N.D.	
Decabromodiphenyl	5	N.D.	N.D.	N.D.	
Total content	/	N.D.	N.D.	N.D.	
<b>Polybrominated Diphenylethers (PBDEs)</b>					
Monobromodiphenyl ether	5	N.D.	N.D.	N.D.	Total PBDEs Content <1000
Dibromodiphenyl ether	5	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	5	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	5	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	5	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	5	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	5	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	5	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	5	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	5	N.D.	N.D.	N.D.	
Total content	/	N.D.	N.D.	N.D.	
<b>Conclusion</b>	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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Unit:mg/kg

Item(s)	MDL	Result(s)		Limit
		75	86	
<b>Polybrominated Biphenyls (PBBs)</b>				
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.	
<b>Polybrominated Diphenylethers (PBDEs)</b>				
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.	
<b>Conclusion</b>	/	<b>Pass</b>	<b>Pass</b>	/

**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

Seq. No.	Limit Test item	DIBP	DBP	BBP	DEHP	Conclusion
		1000	1000	1000	1000	
1		N.D.	N.D.	N.D.	N.D.	Pass
2		N.D.	N.D.	N.D.	N.D.	Pass
3		N.D.	N.D.	N.D.	N.D.	Pass
4		N.D.	N.D.	N.D.	N.D.	Pass
5		N.D.	N.D.	N.D.	N.D.	Pass
6		N.D.	N.D.	N.D.	N.D.	Pass
7		N.D.	N.D.	N.D.	N.D.	Pass
8		N.D.	N.D.	N.D.	N.D.	Pass
11		N.D.	N.D.	N.D.	N.D.	Pass
12		N.D.	N.D.	N.D.	N.D.	Pass
13		N.D.	N.D.	N.D.	N.D.	Pass
16		N.D.	N.D.	N.D.	N.D.	Pass
17		N.D.	N.D.	N.D.	N.D.	Pass
20		N.D.	N.D.	N.D.	N.D.	Pass
24		N.D.	N.D.	N.D.	N.D.	Pass
25		N.D.	N.D.	N.D.	N.D.	Pass
27		N.D.	N.D.	N.D.	N.D.	Pass
28		N.D.	N.D.	N.D.	N.D.	Pass
29		N.D.	N.D.	N.D.	N.D.	Pass
31		N.D.	N.D.	N.D.	N.D.	Pass
32		N.D.	N.D.	N.D.	N.D.	Pass
33		N.D.	N.D.	N.D.	N.D.	Pass
36		N.D.	N.D.	N.D.	N.D.	Pass
38		N.D.	N.D.	N.D.	N.D.	Pass
39		N.D.	N.D.	N.D.	N.D.	Pass
40		N.D.	N.D.	N.D.	N.D.	Pass

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Seq. No.	Limit Test item	DIBP	DBP	BBP	DEHP	Conclusion
		1000	1000	1000	1000	
42		N.D.	N.D.	N.D.	N.D.	Pass
43		N.D.	N.D.	N.D.	N.D.	Pass
44		N.D.	N.D.	N.D.	N.D.	Pass
45		N.D.	N.D.	N.D.	N.D.	Pass
46		N.D.	N.D.	N.D.	N.D.	Pass
47		N.D.	N.D.	N.D.	N.D.	Pass
49		N.D.	N.D.	N.D.	N.D.	Pass
52		N.D.	N.D.	N.D.	N.D.	Pass
53		N.D.	N.D.	N.D.	N.D.	Pass
54		N.D.	N.D.	N.D.	N.D.	Pass
55		N.D.	N.D.	N.D.	N.D.	Pass
57		N.D.	N.D.	N.D.	N.D.	Pass
58		N.D.	N.D.	N.D.	N.D.	Pass
59		N.D.	N.D.	N.D.	N.D.	Pass
61		N.D.	N.D.	N.D.	N.D.	Pass
62		N.D.	N.D.	N.D.	N.D.	Pass
64		N.D.	N.D.	N.D.	N.D.	Pass
65		N.D.	N.D.	N.D.	N.D.	Pass
66		N.D.	N.D.	N.D.	N.D.	Pass
67		N.D.	N.D.	N.D.	N.D.	Pass
69		N.D.	N.D.	N.D.	N.D.	Pass
70		N.D.	N.D.	N.D.	N.D.	Pass
71		N.D.	N.D.	N.D.	N.D.	Pass
72		N.D.	N.D.	N.D.	N.D.	Pass
73		N.D.	N.D.	N.D.	N.D.	Pass
74		N.D.	N.D.	N.D.	N.D.	Pass
75		N.D.	N.D.	N.D.	N.D.	Pass
77		N.D.	N.D.	N.D.	N.D.	Pass

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# Test Report

Report No.: AGC00552191001-001

Date: Oct.23, 2019

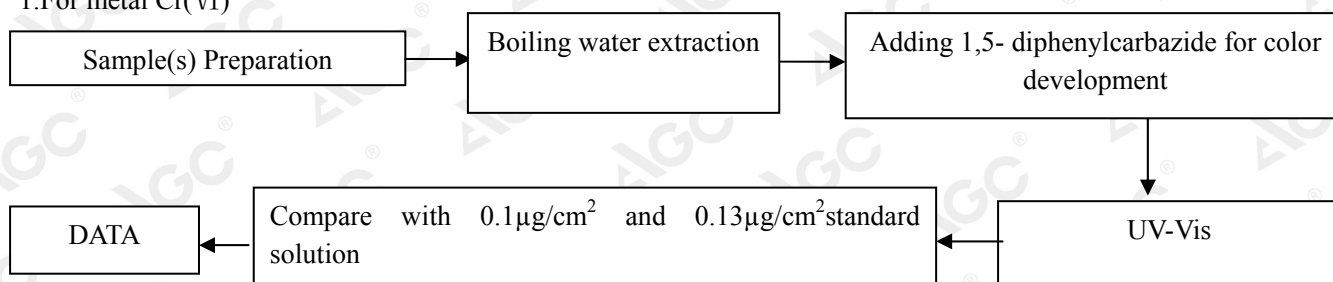
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Seq. No.	Test item Limit	DIBP	DBP	BBP	DEHP	Conclusion
		1000	1000	1000	1000	
78		N.D.	N.D.	N.D.	N.D.	Pass
82		N.D.	N.D.	N.D.	N.D.	Pass
84		N.D.	N.D.	N.D.	N.D.	Pass
86		N.D.	N.D.	N.D.	N.D.	Pass
87		N.D.	N.D.	N.D.	N.D.	Pass
88		N.D.	N.D.	N.D.	N.D.	Pass
89		N.D.	N.D.	N.D.	N.D.	Pass
90		N.D.	N.D.	N.D.	N.D.	Pass
91		N.D.	N.D.	N.D.	N.D.	Pass

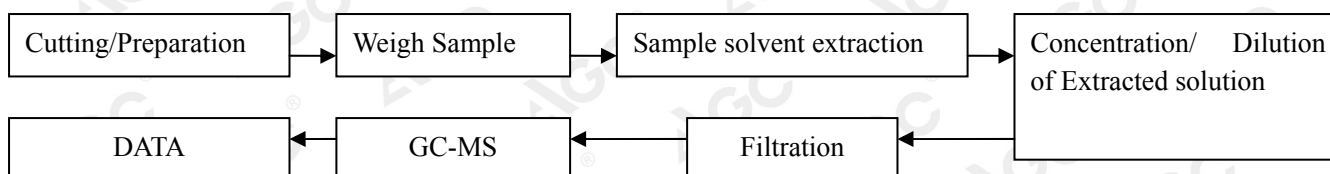
**Note:** 1. MDL=Method Detection Limit  
2. N.D.=Not Detected(less than method detection limit)

## Test Flow Chart

1.For metal Cr(VI)



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



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## The photo of the sample



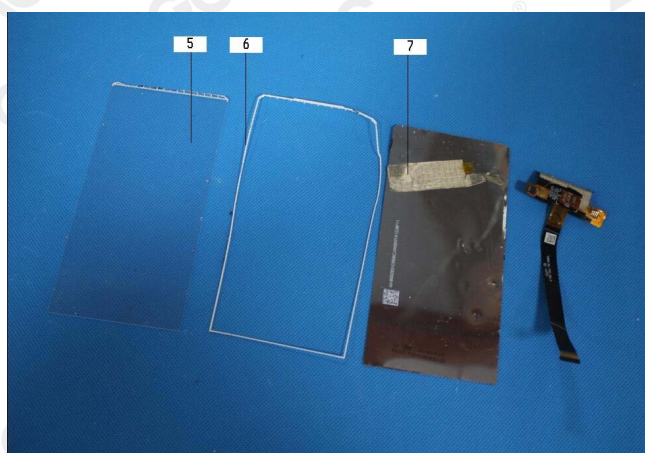
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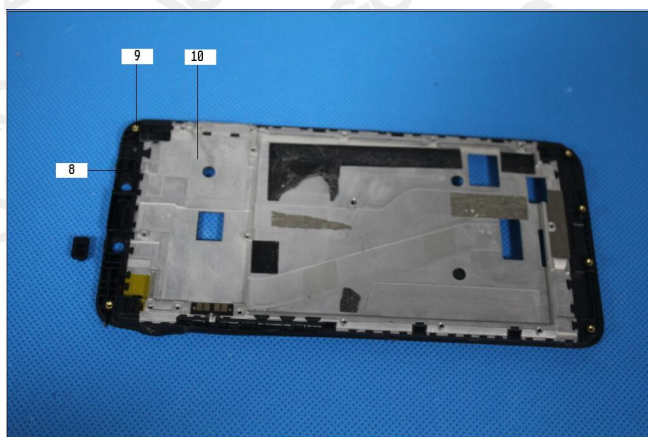
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6

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No.18 C

# Test Report

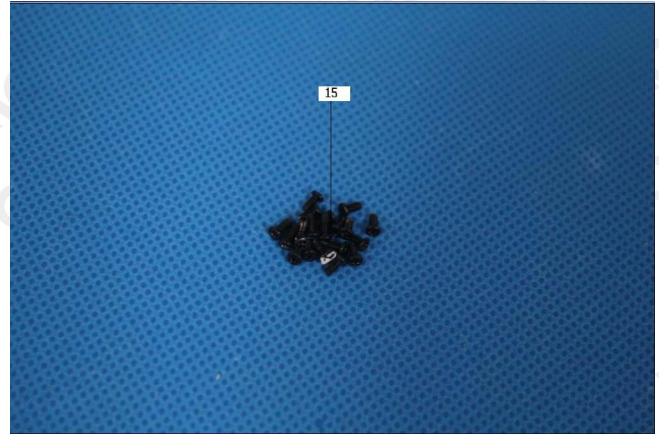
Report No.: AGC00552191001-001

Date: Oct.23, 2019

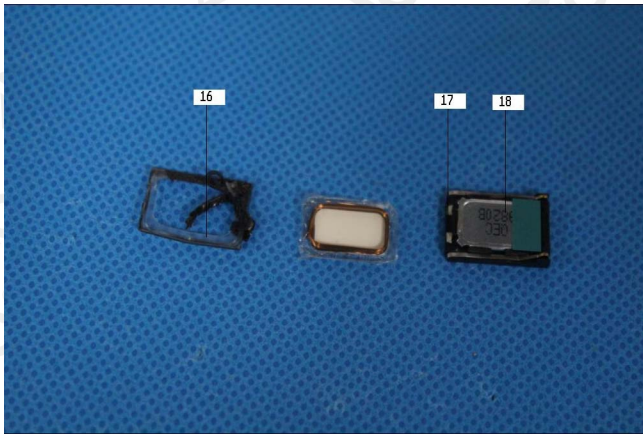
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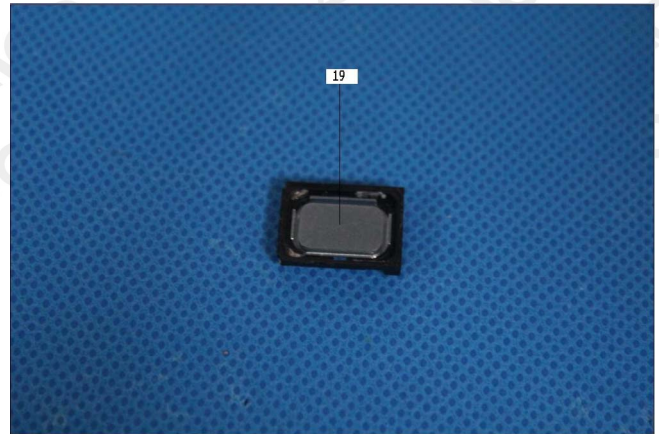
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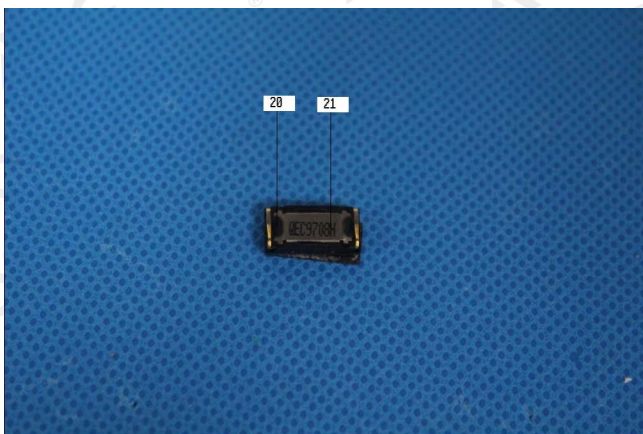
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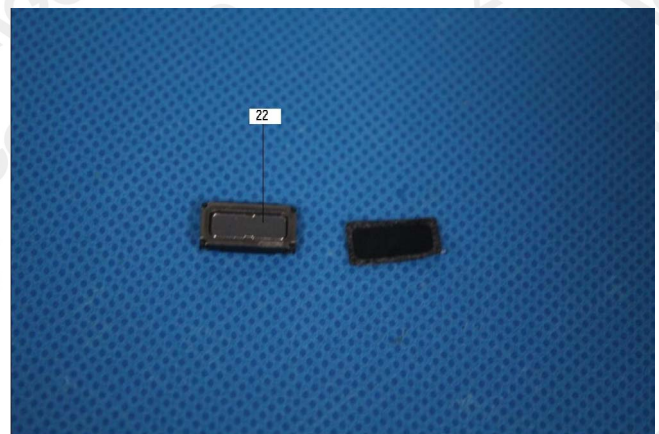
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## No.18 C

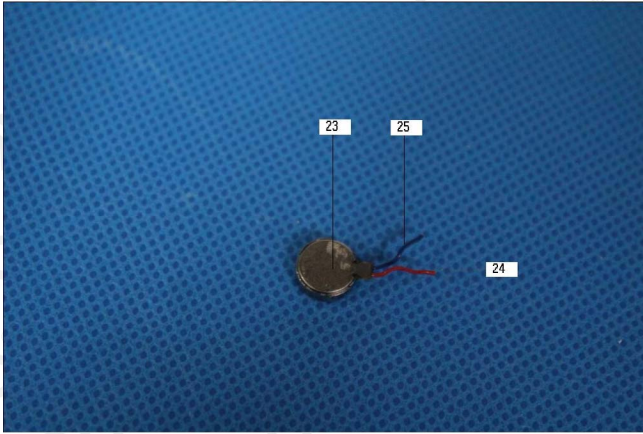


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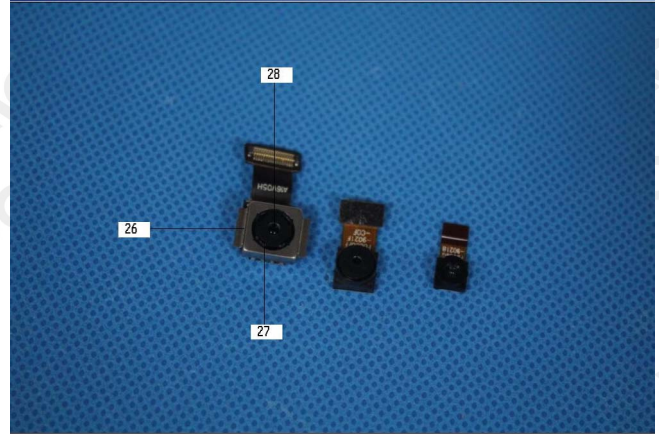
Report No.: AGC00552191001-001

Date: Oct.23, 2019

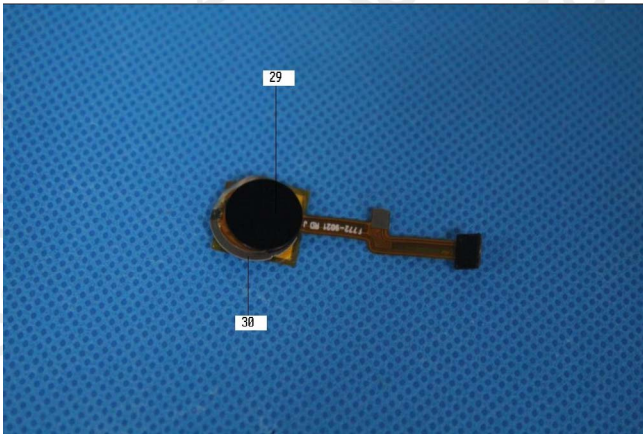
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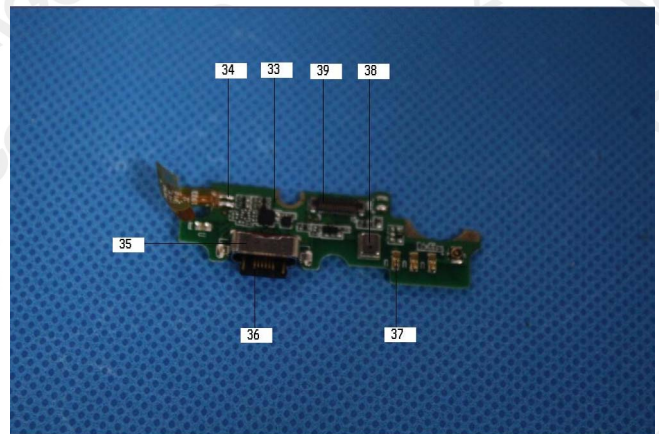
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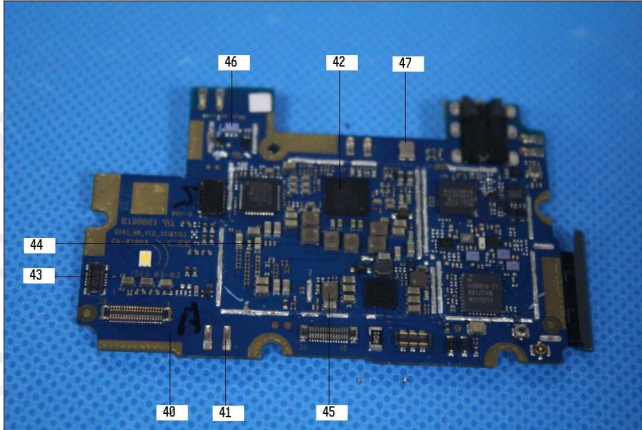


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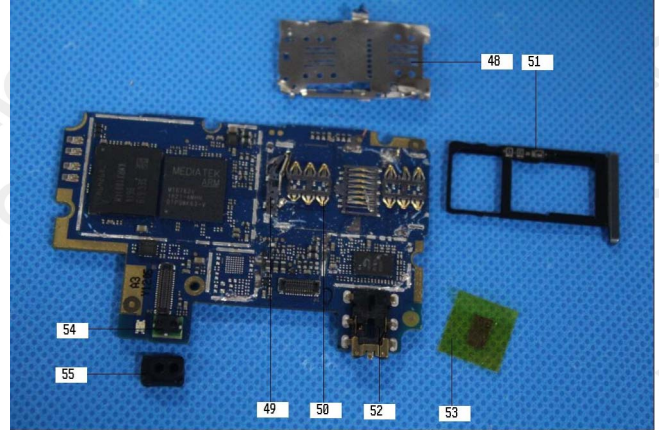
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Date: Oct.23, 2019

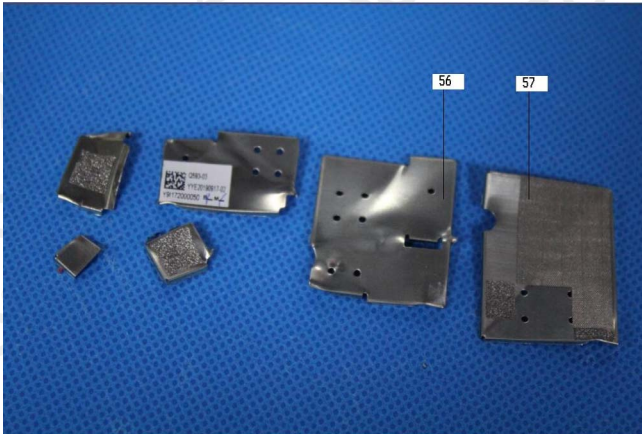
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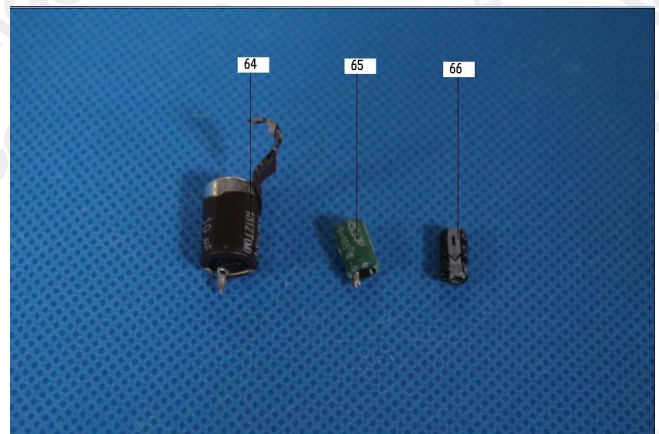
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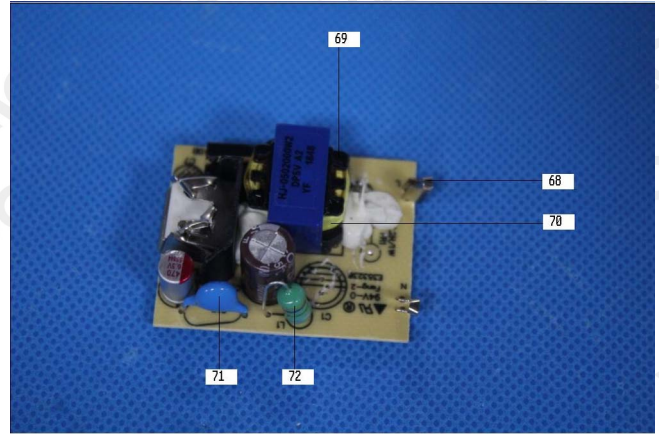
Report No.: AGC00552191001-001

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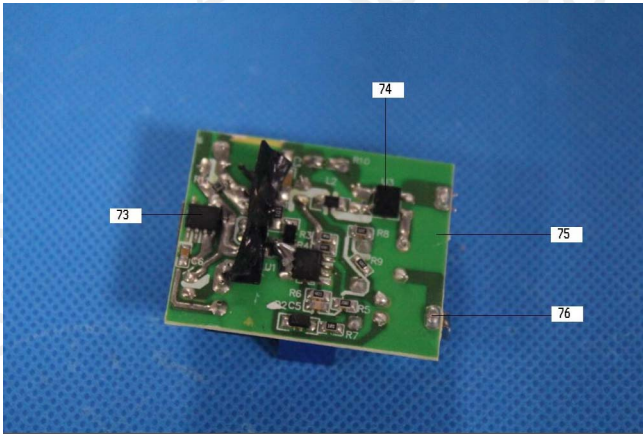
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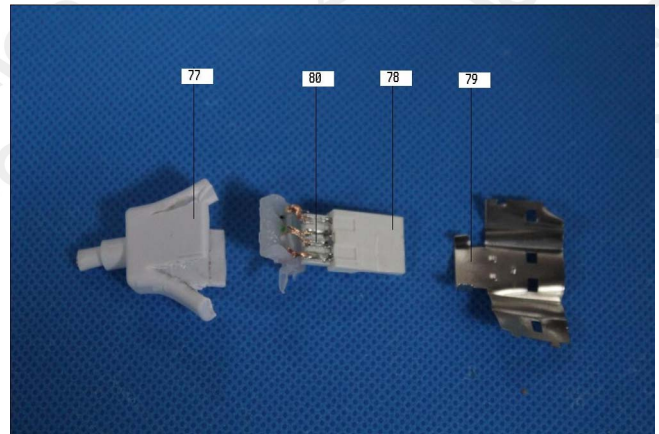
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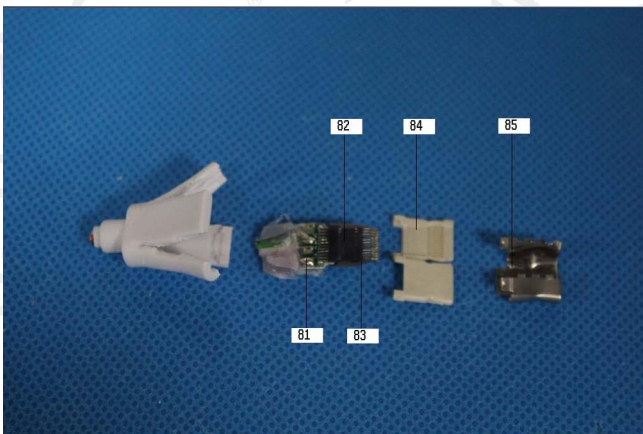
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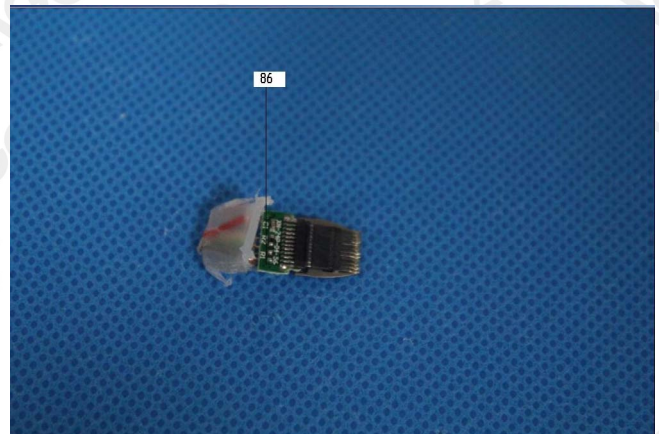
27



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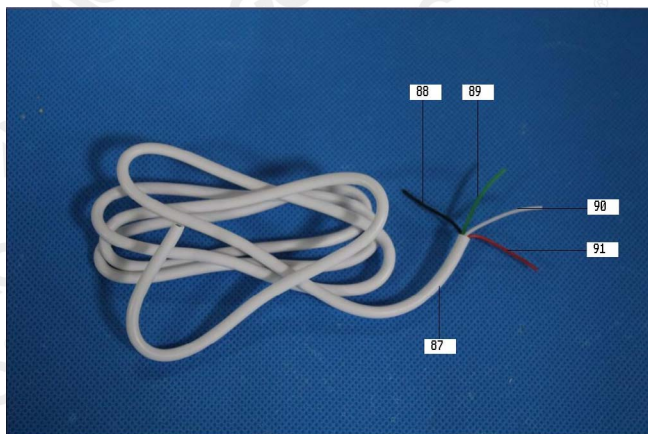
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