



Test Report

Report No.: AiTSZ-250828080R

Dated 2025-10-31

Applicant:

DOKE COMMUNICATION (HK) LIMITED

Address:

19H MAXGRAND PLAZA NO 3 TAI YAU STREET SAN PO KONG KL

Manufacturer:

Shenzhen DOKE Electronic Co., Ltd

Address:

801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China.

Sample Name:

Smart phone

Model number:

ROCK 1

Serial Model:

ROCK 1 Pro

Trade mark:

Blackview

Sample Received Date:

2025-08-28

Test Period:

2025-08-28 to 2025-10-13

Test Result:

Refer to following page(s)

Remark:

The result relates only to the items tested.

Test Requested:	Conclusion
Based on the performed test on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as bis-(2-ethylhexyl)-Phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl Phthalate (DBP), Diisobutyl Phthalate (DIBP) comply with the limits as set by RoHS Directive 2015/863/EU amending Annex II to Directive 2011/65/EU.	PASS

Guangdong Asia Hongke Test Technology Co.,Ltd.

Prepared by:

Oliver

Name: Oliver
Project Handler

Reviewed by:

Lizhen

Name: Lizhen
Designated Reviewer



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1. Test Method(s) :

Testing item	Testing Method	Equipment
Screening analysis by XRF		
Lead(Pb) Cadmium(Cd) Mercury(Hg) Chromium(Cr) Bromine(Br)	IEC 62321-3-1:2013	ED-XRF
Chemical testing		
Lead(Pb)	IEC 62321-5:2013	ICP-OES
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES
Mercury(Hg)	IEC 62321-4:2013 +AMD1:2017 CSV	ICP-OES
Chromium(Cr VI) for plastic	IEC 62321-7-2:2017	UV-Vis
Chromium(Cr VI) for coating on metals	IEC 62321-7-1:2015	UV-Vis
PBBs/ PBDEs	IEC 62321-6:2015	GC-MS
DEHP/DBP/BBP/ DIBP	IEC 62321-8:2017	GC-MS

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2.Test Results :

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
1	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
2	Orange plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
3	Transparent plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
4	Black metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
5	Black glass	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
6	Yellow FPC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
7	Glass	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
8	Black FPC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
9	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
10	Transparent plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
11	White plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
12	Silvery plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
13	Black tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
14	LED	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
15	White FPC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
16	Black glass	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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17	Blue tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
18	Black FPC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
19	Black tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
20	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
21	Gray tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
22	Transparent plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
23	White plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
24	Silvery plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
25	Black tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
26	LED	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
27	Yellow FPC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
28	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
29	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
30	Silvery metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
31	Black metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
32	Orange metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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33	Golden metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
34	Orange metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
35	Red plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
36	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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37	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
38	Orange metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
39	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
40	Golden metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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41	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
42	Transparent plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
43	Gray tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
44	Double faced adhesive tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Test Report

Report No.: AiTSZ-250828080R

Dated 2025-10-31

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
45	LED	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
46	White PCB	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
47	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
48	Silvery magnet	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
49	White plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
50	Copper metal core	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
51	Golden metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
52	Green PCB	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
53	Golden metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
54	Red wire jacket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
55	Black wire jacket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
56	Silvery metal core	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
57	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
58	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
59	Glass	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
60	Copper metal core	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
61	Black FPC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
62	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
63	Copper plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
64	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
65	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
66	Silvery magnet	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
67	Transparent plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
68	White plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
69	Copper metal core	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
70	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
71	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
72	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
73	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
74	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
75	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
76	Inductance	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
77	Chip capacitor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
78	IC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
79	Diode	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
80	IC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
81	IC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
82	Crystal oscillator	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
83	Chip resistor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
84	IC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
85	Soldering tin	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
86	Black PCB	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
87	Silvery plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
88	Black tape	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
89	Black foam	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
90	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
91	Black FPC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
92	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	

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Test Report

Report No.: AiTSZ-250828080R

Dated 2025-10-31

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
93	White plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
94	Silvery metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	--	--	
		PBDEs		--	
		DEHP	--	--	
		DBP	--	--	
		BBP	--	--	
		DIBP	--	--	
95	White plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	
96	White wire jacket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

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Test Report

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
97	Greenish-blue plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		PBBs	BL	--	
		PBDEs		--	
		DEHP	--	ND	
		DBP	--	ND	
		BBP	--	ND	
		DIBP	--	ND	

Remark:

1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr⁶⁺.

(b) Results are obtained by XRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (unit: mg/kg).

Element	Polymers	Metals	Composite Material
Cd	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$LOD < X < (1500+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	NA	$BL \leq (250-3\sigma) < X$

(c) OL=Over Limit, BL=Below Limit, X=inconclusive, LOD=Limit of Detection, NA=not applicable, - = No Testing

(d) The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition

2) (a) mg/kg=ppm=0.0001%, N.D.=not detected (< MDL)

(b) Unit and Method Detection Limit(MDL) in wet chemical test

Test Items	Unit	MDL	Limit
Pb	mg/kg	2	1000
Cd	mg/kg	2	100
Hg	mg/kg	2	1000
DBP	mg/kg	30	1000
BBP	mg/kg	30	1000
DEHP	mg/kg	30	1000
DIBP	mg/kg	30	1000

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The MDL for single compound of PBBs & PBDEs is 20mg/kg, MDL of Cr^{6+} for metal sample is $0.10 \mu\text{g}/\text{cm}^2$. and MDL of Cr^{6+} for polymer & composite sample is 8 mg/kg.

(c) Metal sample:

-The sample is positive for Cr^{6+} if the Cr^{6+} concentration is greater than $0.13 \mu\text{g}/\text{cm}^2$.

The sample coating is considered to contain Cr^{6+} .

-The sample is negative for Cr^{6+} if Cr^{6+} is ND (concentration less than $0.10 \mu\text{g}/\text{cm}^2$).

The coating is considered a non- Cr^{6+} based coating

-The result between $0.10 \mu\text{g}/\text{cm}^2$ and $0.13 \mu\text{g}/\text{cm}^2$ is considered to be inconclusive, unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr^{6+} results represent status of the sample at the time of testing.

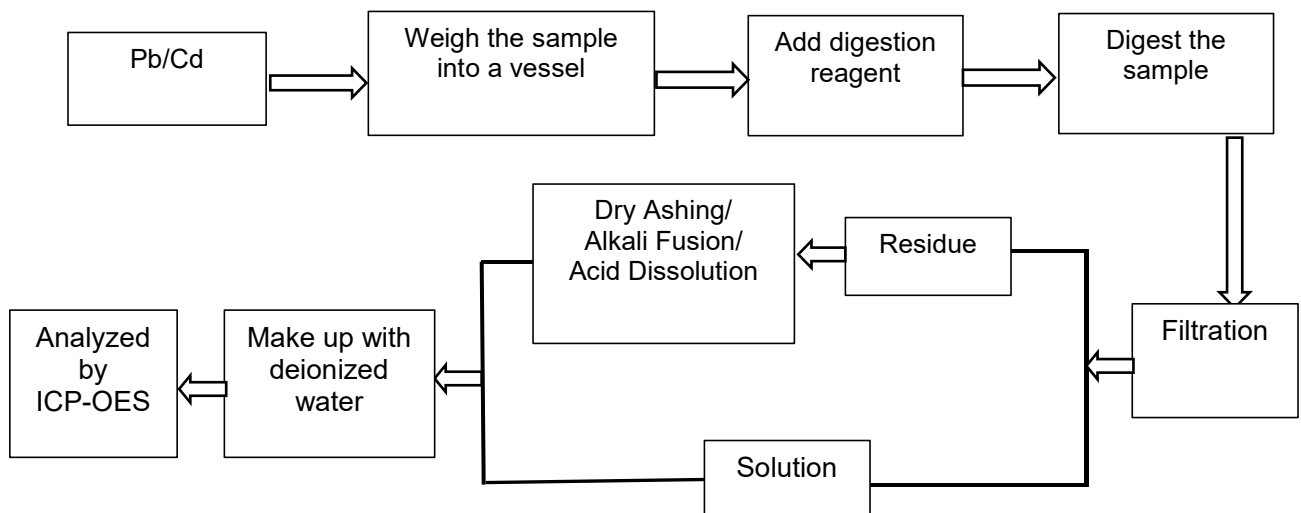
3) As specified by client to test the specified materials only.

4)*=According to the declaration from the client, Lead (Pb) in the sample are exempted by EU RoHS Directive 2011/65/EU based on ANNEX III 6(c): Copper alloy containing no more than 4% lead by weigh

5)#=According to the declaration from the client, Lead (Pb) in the sample are exempted by EU RoHS Directive 2011/65/EU based on ANNEX III 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors.

3.Test Flow

1. Lead(Pb), Cadmium(Cd)



2. Mercury (Hg)

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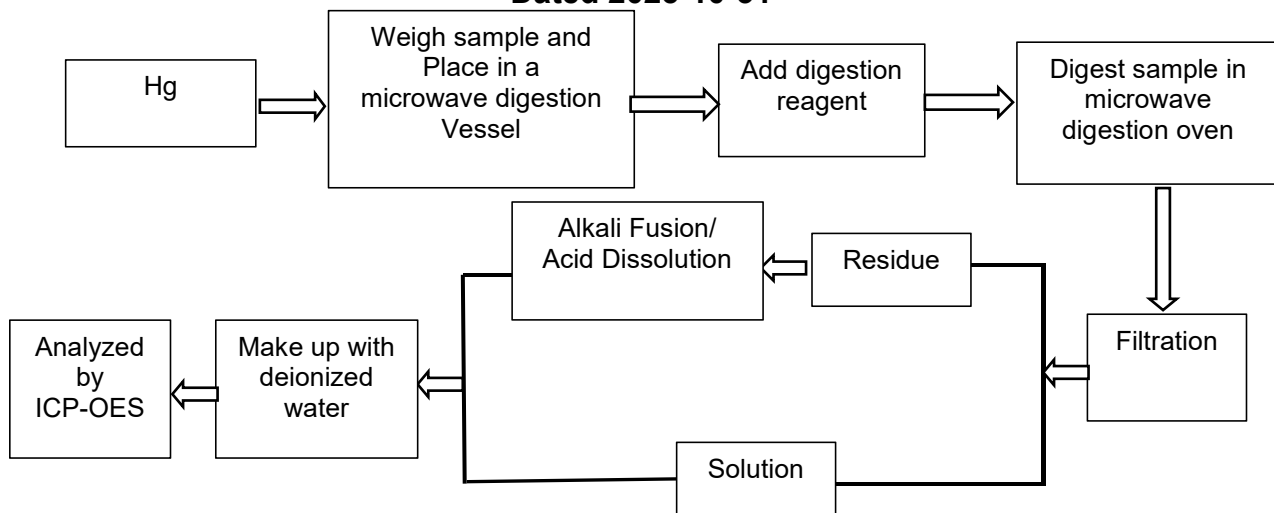
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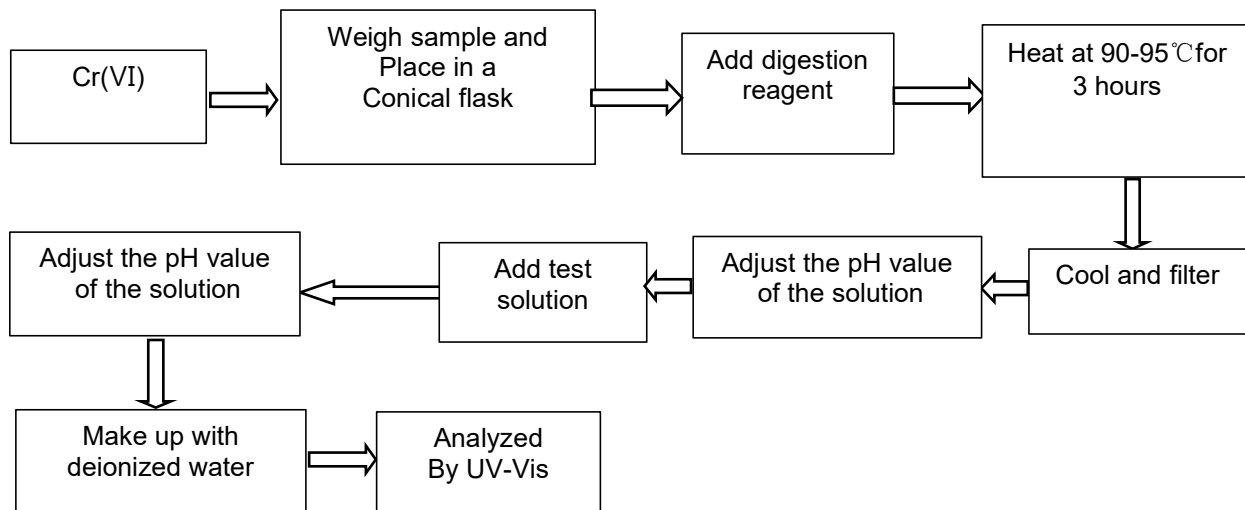
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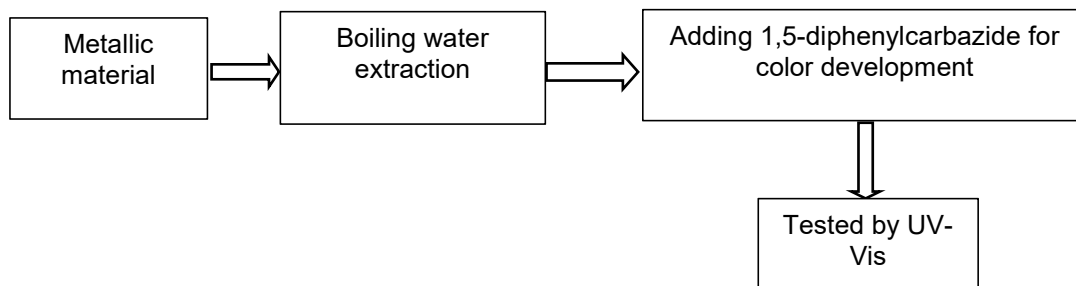
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3. Hexavalent Chromium(Cr VI) (Alkaline extraction)



4. Hexavalent Chromium(Cr VI) (Boiling water extraction)



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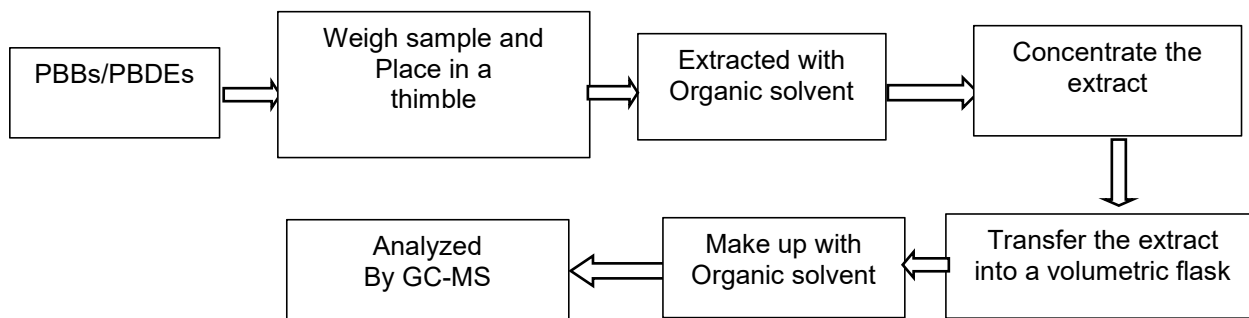
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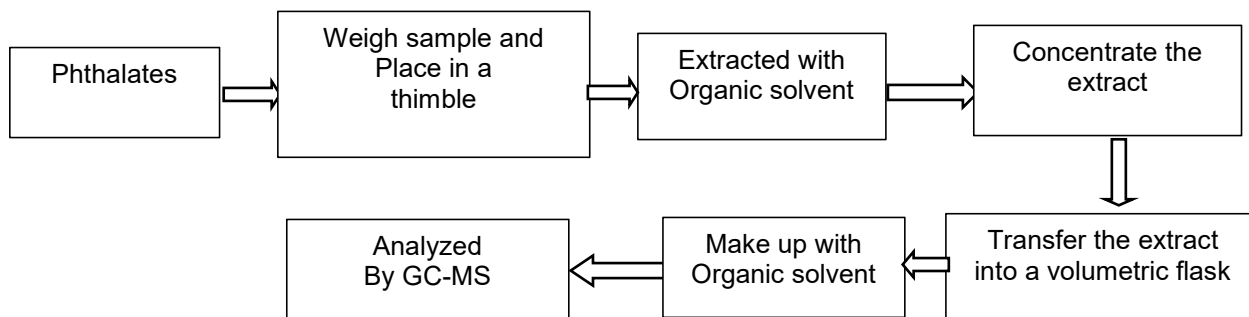
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5. PBBs/ PBDEs



6. DEHP/ BBP/ DBP/ DIBP



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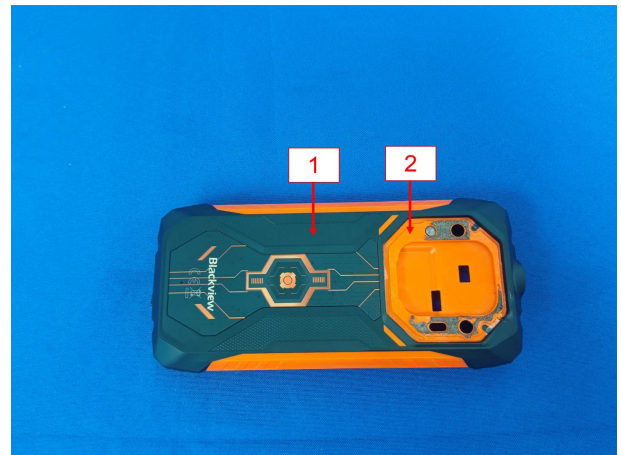
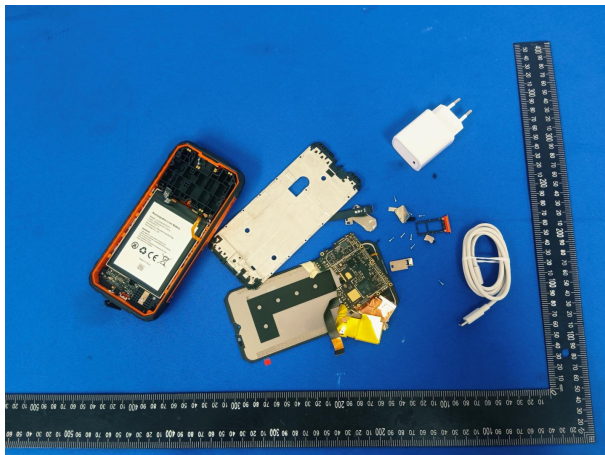
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Photo of the Submitted Sample



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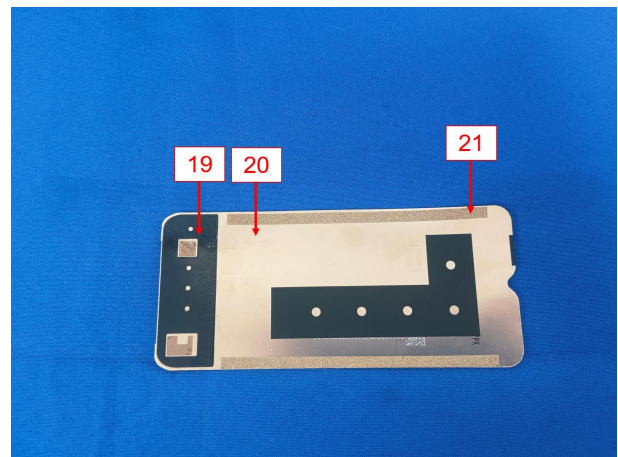
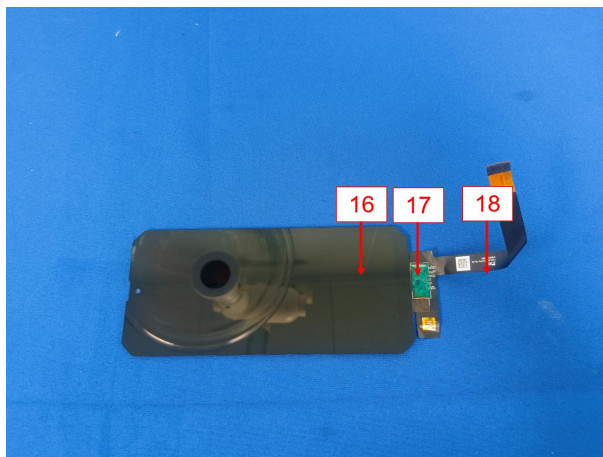
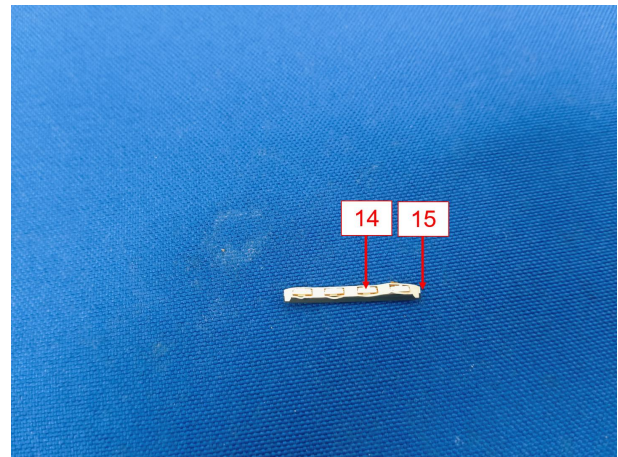
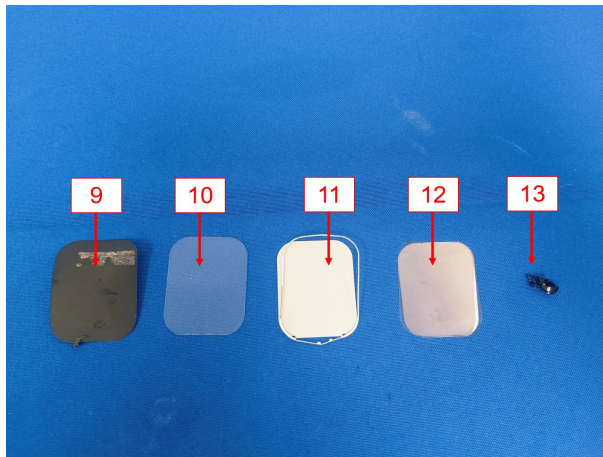
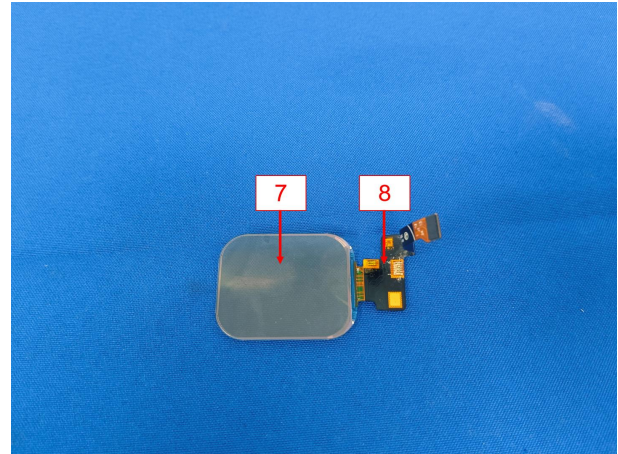
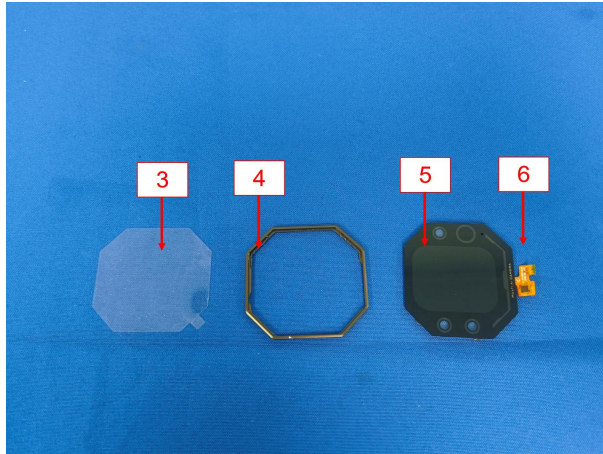
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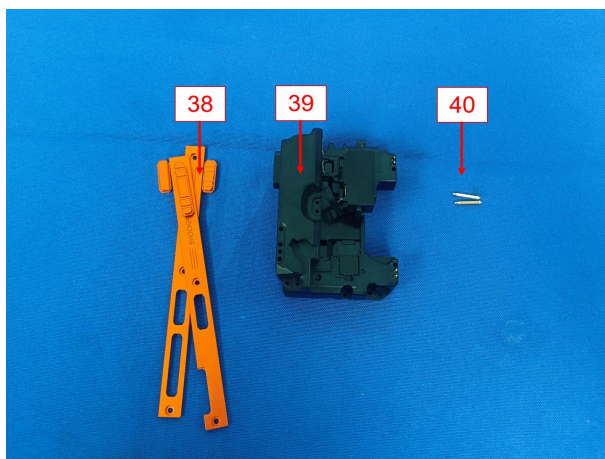
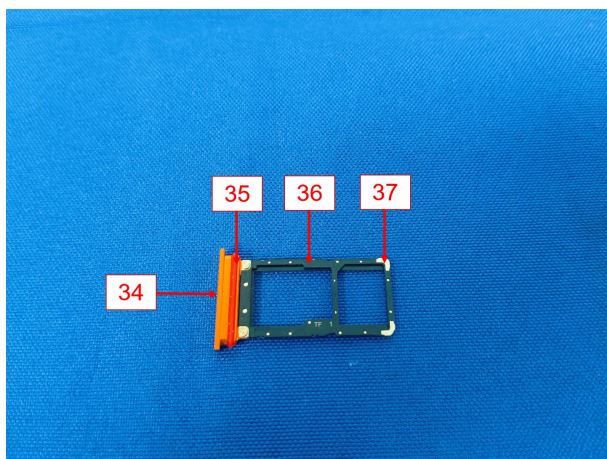
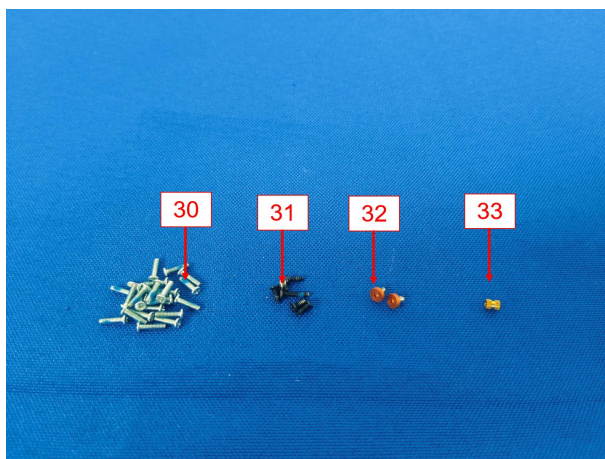
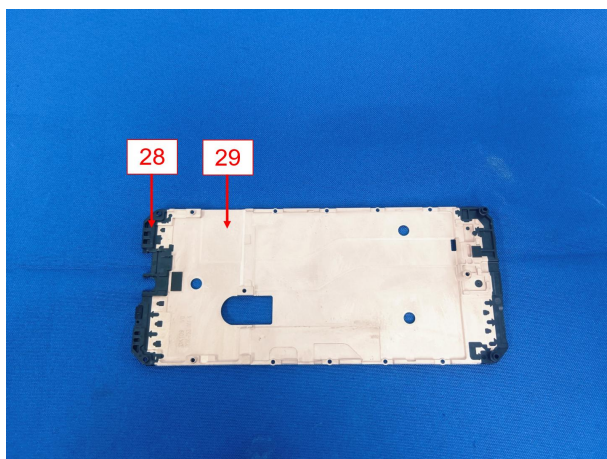
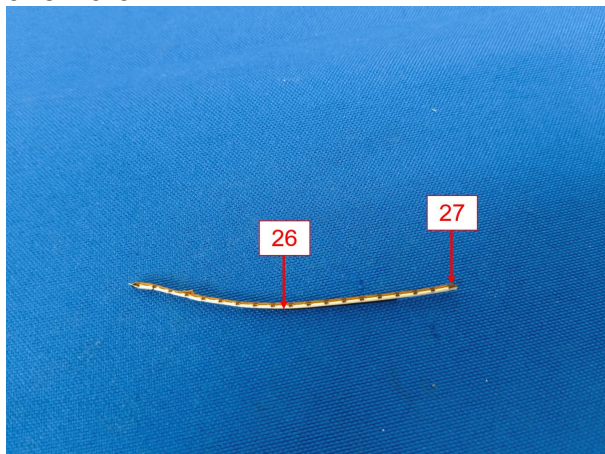
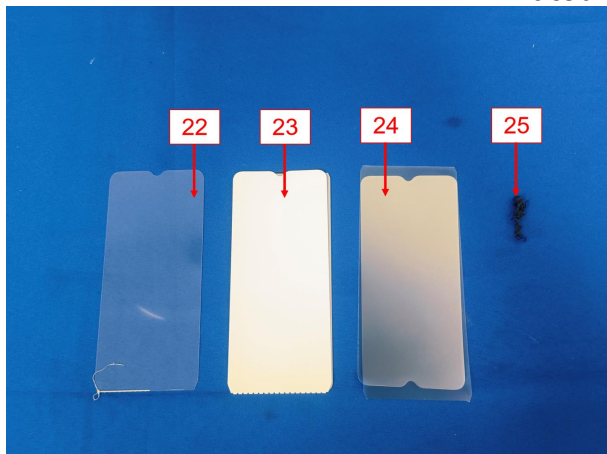
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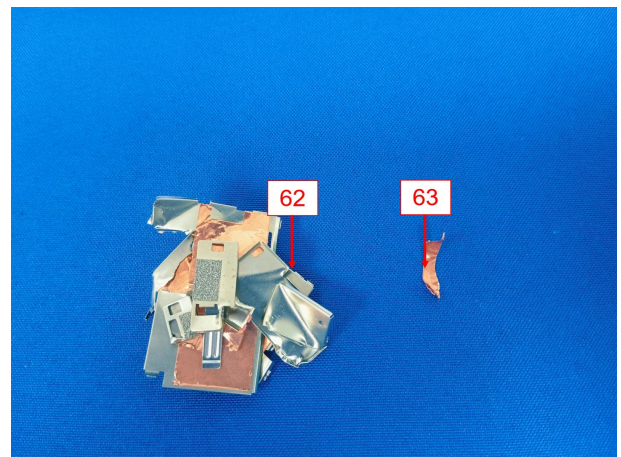
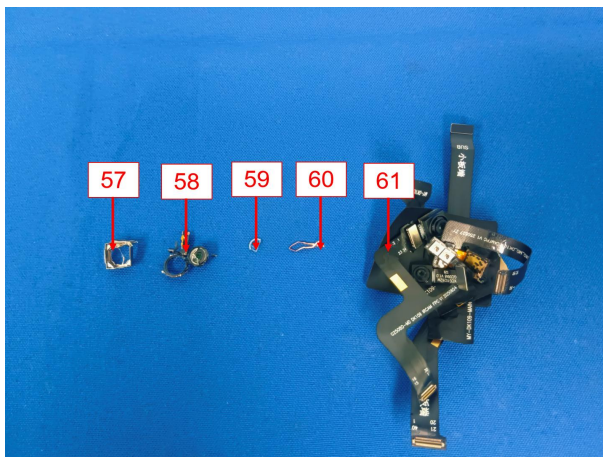
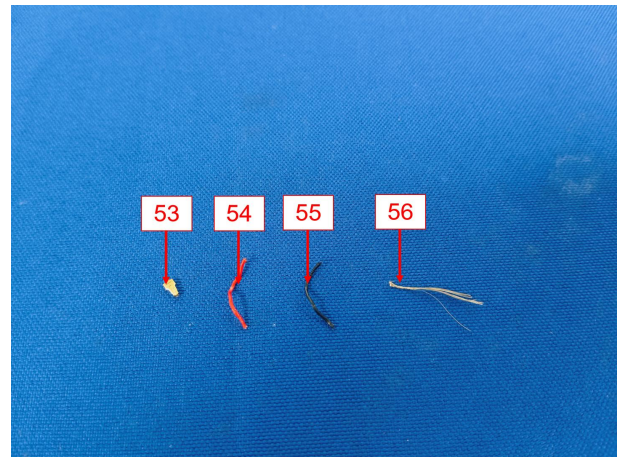
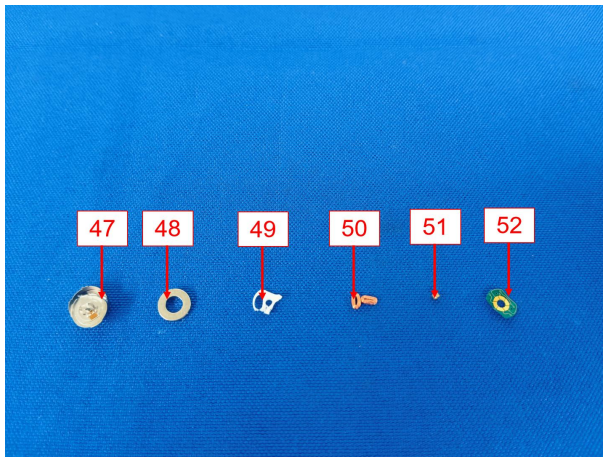
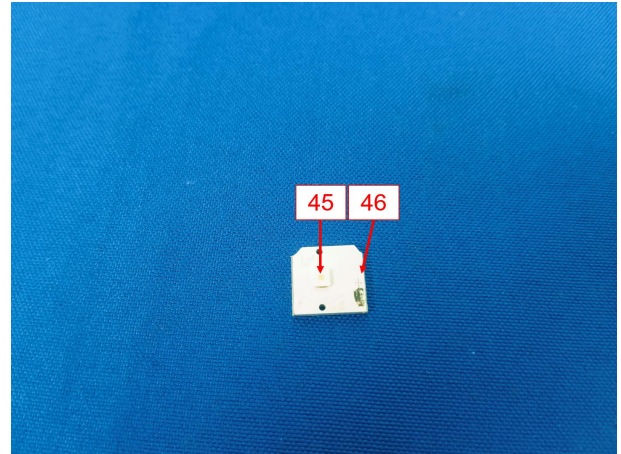
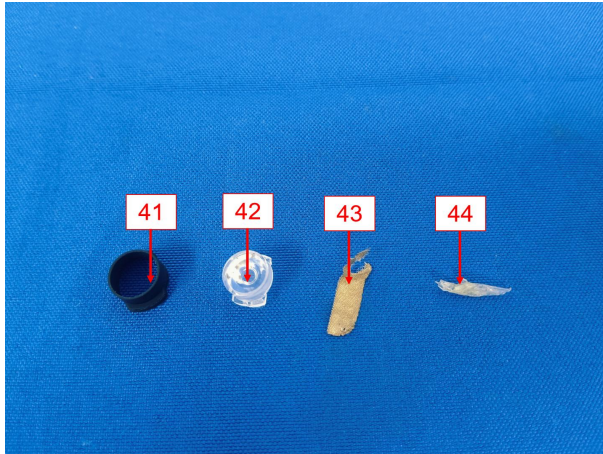
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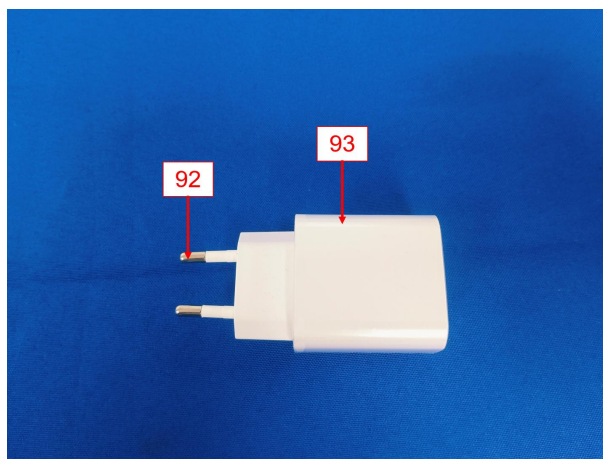
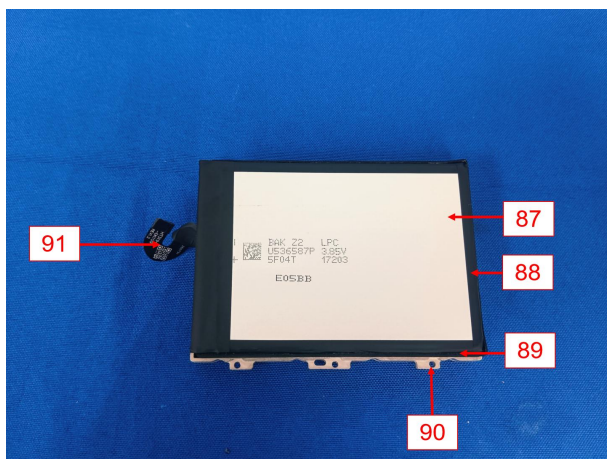
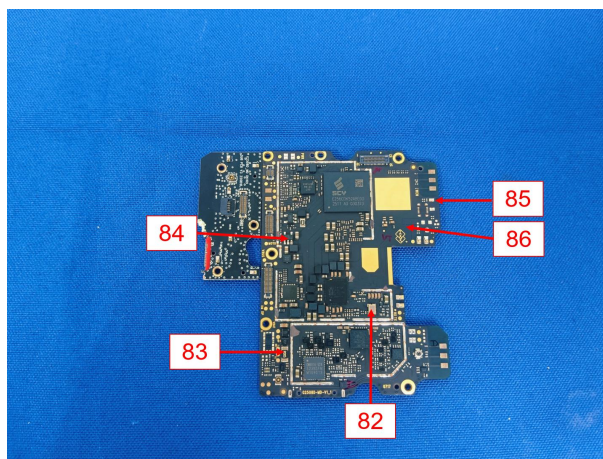
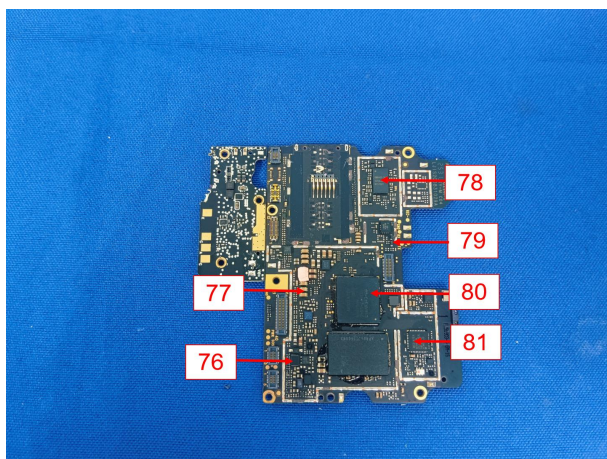
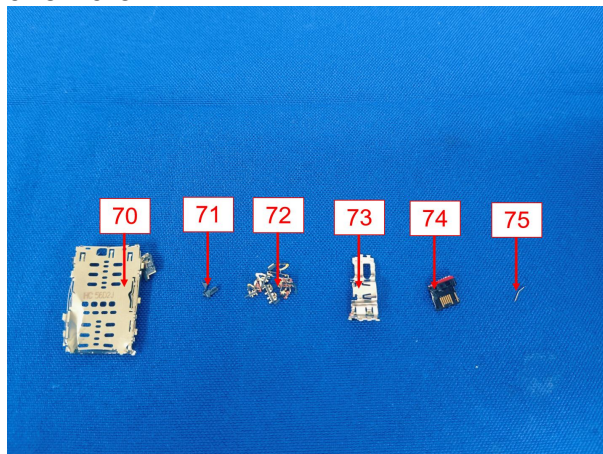
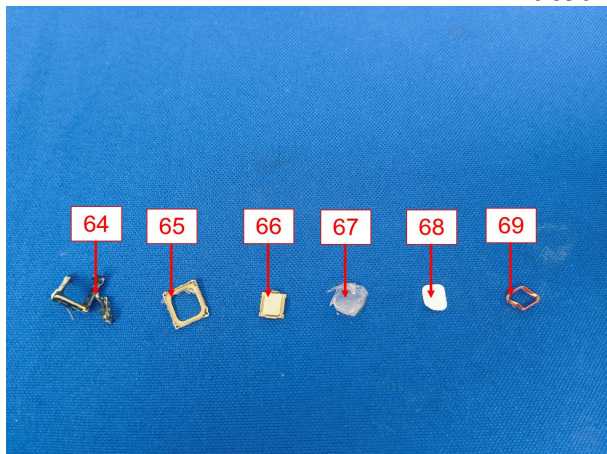
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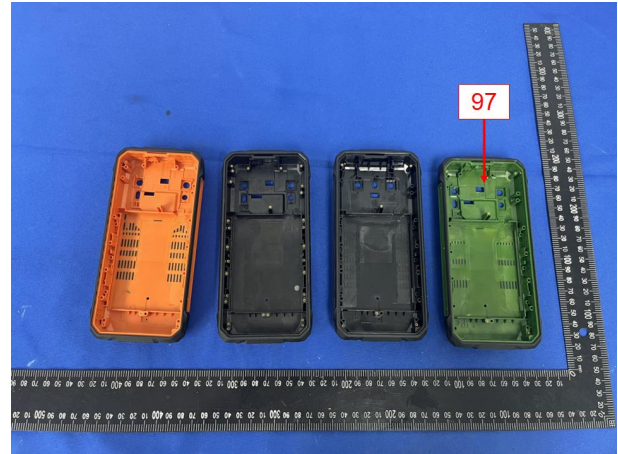
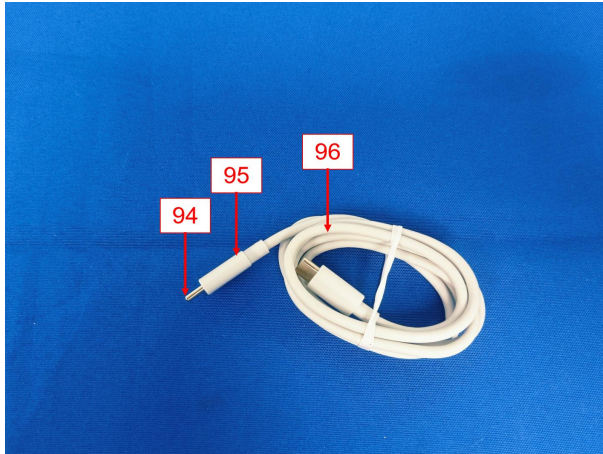
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