

TEST REPORT

Report No.: **SZ1231102-64566E**

Date: December 19, 2023

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Shenzhen Huafurui Technology Co., Ltd

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Report on the submitted samples said to be:

Sample Description:	Smartphone
Style/Item No.:	V1
Country of Origin:	China
Brand:	HAFURY
Sample Receiving Date:	November 02,2023
Lately Re-submit Date:	December 11,2023
Testing Period:	November 02,2023 - December 17,2023
Result:	Please refer to next page(s).

Signed for and on behalf of

BACL

Queenie Lee

Checked by: _____
Queenie Lee

Len Xie

Approved by: _____
Len Xie

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Summary of Test Result:

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CONCLUSION

A. Two hundred and thirty-five (235) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 and its amendment directives concerning the REACH in the components of submitted sample as the requirement of client

Pass

Pass = According to the specified scope and analytical technique, concentrations of all SVHC in candidate list are <0.1% in the submitted sample(s).

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Result:

Tested part(s):

- (1) Black/yellow printed white paper with adhesive(label, USB cable)
- (2) White PVC(cover, big plug, USB cable)
- (3) Silvery/white body(big plug, USB cable)
- (4) Translucent plastic(cover, big plug, USB cable)
- (5) White PVC(cover, small plug, USB cable)
- (6) Silvery body(small plug, USB cable)
- (7) Translucent plastic(cover, small plug, USB cable)
- (8) Blue PCB with EC(PCB, small plug, USB cable)
- (9) Silvery solder(PCB, small plug, USB cable)
- (10) White PVC(wire jacket, USB cable)
- (11) Green plastic(inner wire jacket, USB cable)
- (12) White plastic(inner wire jacket, USB cable)
- (13) Black plastic(inner wire jacket, USB cable)
- (14) Red plastic(inner wire jacket, USB cable)
- (15) Coppery metal(inner wire, USB cable)
- (16) White plastic(cover, plug, earphone)
- (17) Silvery body(plug, earphone)
- (18) White soft plastic(PCB, cover, earphone)
- (19) Blue PCB(PCB, plug, earphone, raw material)
- (20) Silvery solder(PCB, plug, earphone, raw material)
- (21) Black printed white plastic(cover, controller, earphone)
- (22) Silvery body(MIC, PCB, controller, earphone)
- (23) Silvery body(switch, PCB, controller, earphone)
- (24) Blue PCB with EC(PCB, controller, earphone)
- (25) Silvery solder(PCB, controller, earphone, raw material)
- (26) White soft plastic(clip, controller, earphone)
- (27) Black printed white plastic(cover, speaker, earphone)
- (28) Black fabric with adhesive(net, cover, speaker, earphone)
- (29) White soft plastic(sleeve, cover, speaker, earphone)
- (30) White foam with adhesive(sticker, speaker, earphone)
- (31) White dry glue(PCB, speaker, earphone)
- (32) Green PCB(PCB, speaker, earphone)

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- (33) Silvery solder(PCB, speaker, earphone)
- (34) Silvery body(speaker, earphone)
- (35) White plastic(wire jacket, speaker, earphone)
- (36) Golden enameled wire(inner wire, speaker, earphone)
- (37) Black enameled wire(inner wire, speaker, earphone)
- (38) Red enameled wire(inner wire, speaker, earphone)
- (39) Green enameled wire(inner wire, speaker, earphone)
- (40) White plastic(wire clip, earphone)
- (41) Silvery metal(pin, adapter)
- (42) White plastic(pin holder, adapter)
- (43) Black printed white plastic(shell, adapter)
- (44) Off-white glue(inner, shell, adapter)
- (45) Silvery metal(contact chip, PCB, adapter)
- (46) White dry glue(PCB, adapter)
- (47) Black plastic(insulation sheet, PCB, adapter)
- (48) Silvery body(USB socket, PCB, adapter)
- (49) Red printed silvery body(capacitor"C8", PCB, adapter)
- (50) Gray printed green plastic(sleeve, capacitor"C9", PCB, adapter)
- (51) Silvery body(capacitor"C9", PCB, adapter)
- (52) Gray printed green plastic(sleeve, capacitor"C4", PCB, adapter)
- (53) Silvery body(capacitor"C4", PCB, adapter)
- (54) Gray printed brown plastic(sleeve, capacitor"C1""C2", PCB, adapter)
- (55) Silvery body(capacitor"C1""C2", PCB, adapter)
- (56) Brown body(fuse, PCB, adapter)
- (57) Blue body(capacitor, PCB, adapter)
- (58) White printed black body(capacitor, PCB, adapter)
- (59) White printed black body(inductor, PCB, adapter)
- (60) Black printed yellow plastic with adhesive(tape, transformer, PCB, adapter)
- (61) Silvery metal(pin, transformer, PCB, adapter)
- (62) Black body(transformer, PCB, adapter, raw material)
- (63) Black plastic(cover, triode, PCB, adapter, raw material)
- (64) Silvery solder(FPC, battery, Smart phone)
- (65) Silvery metal(pin, triode, PCB, adapter, raw material)
- (66) Silvery solder(PCB, adapter)
- (67) Green PCB with EC(PCB, adapter)

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- (68) Black plated silvery metal with plastic(SIM/SD tray, Smart phone)
- (69) Black plated silvery metal(cover, button, Smart phone)
- (70) Black plastic(button, Smart phone)
- (71) Black/silvery coated clear glass(rear cover, Smart phone)
- (72) Black foam with adhesive(stick, rear cover, Smart phone)
- (73) White dry glue(rear cover, Smart phone)
- (74) Black plastic with adhesive(sticker, small screen, rear cover, Smart phone)
- (75) Black glass with liquid crystal(small screen, rear cover, Smart phone)
- (76) Silvery fabric with adhesive(sticker, small screen, rear cover, Smart phone)
- (77) Yellow clear plastic with adhesive(sticker, small screen, rear cover, Smart phone)
- (78) Black/golden body(socket, FPC, small screen, rear cover, Smart phone)
- (79) Silvery metal(base, FPC, small screen, rear cover, Smart phone)
- (80) Brown FPC with EC(FPC, small screen, rear cover, Smart phone)
- (81) Black plated silvery metal(screw, middle cover, Smart phone)
- (82) Silvery metal(screw, middle cover, Smart phone)
- (83) Silvery metal(stator, middle cover, Smart phone)
- (84) Black FPC(antennae FPC, middle cover, Smart phone)
- (85) Brown FPC(LED FPC, middle cover, Smart phone)
- (86) Yellow body(LED, middle cover, Smart phone)
- (87) Black coated transparent glass(camera cover, middle cover, Smart phone)
- (88) Transparent plastic(LED cover, middle cover, Smart phone)
- (89) Black plastic(middle cover, Smart phone)
- (90) Black body(fingerprint recognition module, Smart phone)
- (91) White printed black FPC(FPC, fingerprint recognition module, Smart phone)
- (92) Black plastic(cover, big speaker, Smart phone)
- (93) Black fabric with adhesive(net, cover, big speaker, Smart phone)
- (94) Black plastic(wire jacket, big speaker, Smart phone)
- (95) Red plastic(wire jacket, big speaker, Smart phone)
- (96) Silvery metal(wire, big speaker, Smart phone)
- (97) Silvery/black body(big speaker, Smart phone)
- (98) Black plastic(wire jacket, small speaker, Smart phone)
- (99) Red plastic(wire jacket, small speaker, Smart phone)
- (100) Silvery metal(wire, small speaker, Smart phone)
- (101) Silvery/black body(small speaker, Smart phone)
- (102) Black body(front camera, Smart phone)

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- (103) Brown FPC(FPC, front camera, Smart phone)
- (104) Black/golden body(socket, FPC, front camera, Smart phone)
- (105) Silvery/black body(back big camera, Smart phone)
- (106) White printed brown FPC(FPC, back big camera, Smart phone)
- (107) Black/golden body(socket, FPC, back big camera, Smart phone)
- (108) Black body(back middle camera, Smart phone)
- (109) Black body(back small camera, Smart phone)
- (110) White printed brown FPC(FPC, small/middle camera, Smart phone)
- (111) Blue plastic(wire jacket, motor, Smart phone)
- (112) Red plastic(wire jacket, motor, Smart phone)
- (113) Silvery metal(wire, motor, Smart phone)
- (114) Black plastic(sticker, motor, Smart phone)
- (115) Silvery fabric with adhesive(motor, Smart phone)
- (116) Silvery body(motor, Smart phone)
- (117) Silvery/black/red body(USB socket, small PCB, Smart phone)
- (118) Black/silvery body(socket, small PCB, Smart phone)
- (119) Silvery body(MIC, small PCB, Smart phone)
- (120) Golden/black body(socket, small PCB, Smart phone)
- (121) Golden metal(pin, contact pin, small PCB, Smart phone, semi-product)
- (122) Golden metal(spring, contact pin, small PCB, Smart phone)
- (123) Golden metal(base, contact pin, small PCB, Smart phone, semi-product)
- (124) Black PCB with EC(small PCB, Smart phone)
- (125) Silvery solder(small PCB, Smart phone)
- (126) Golden/silvery plastic with adhesive(sticker, main PCB, Smart phone)
- (127) Silvery metal(cover, main PCB, Smart phone)
- (128) Silvery foam with adhesive(cover, main PCB, Smart phone)
- (129) Silvery body(TF/SIM socket, main PCB, Smart phone)
- (130) Black plastic(wire jacket, connecting line, main PCB, Smart phone)
- (131) Silvery metal(wire, connecting line, main PCB, Smart phone)
- (132) Golden body(plug, connecting line, main PCB, Smart phone)
- (133) White thermal grease(main PCB, Smart phone)
- (134) Black soft plastic(sleeve, photosensitive element, main PCB, Smart phone)
- (135) Black body(photosensitive element, main PCB, Smart phone)
- (136) Yellow clear plastic with adhesive(sticker, main PCB, Smart phone)
- (137) Black/golden body(socket, main PCB, Smart phone)

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- (138) Silvery body(socket, main PCB, Smart phone)
- (139) Silvery metal(antennae, main PCB, Smart phone)
- (140) Black PCB with EC(main PCB, Smart phone)
- (141) Silvery solder(main PCB, Smart phone)
- (142) Black body(side button, main PCB, Smart phone)
- (143) Black printed beige FPC(FPC, side button, main PCB, Smart phone)
- (144) Silvery metal(base, side button, Smart phone)
- (145) Golden metal(nut, front shell, Smart phone)
- (146) Black plastic(front shell, Smart phone)
- (147) Silvery metal(front shell, Smart phone)
- (148) Clear plastic(cover, front shell, Smart phone)
- (149) Black plated silvery metal(net, front shell, Smart phone)
- (150) Silvery fabric with adhesive(sticker, base, screen, Smart phone)
- (151) Black plastic with adhesive(sticker, base, screen, Smart phone)
- (152) Silvery foam with adhesive(sticker, base, screen, Smart phone)
- (153) Silvery metal(base, screen, Smart phone)
- (154) Silvery plastic(film, screen, Smart phone)
- (155) Transparent plastic(film, screen, Smart phone)
- (156) White plastic(film, screen, Smart phone)
- (157) Iridescent plastic(film, screen, Smart phone)
- (158) White body(LED, screen, Smart phone)
- (159) Black plastic with adhesive(tape, screen, Smart phone)
- (160) Silvery transparent plastic(polaroid, screen, Smart phone)
- (161) Translucent black glass with liquid crystal(screen, Smart phone)
- (162) Black/white FPC with EC(FPC, screen, Smart phone)
- (163) Silvery solder(FPC, screen, Smart phone)
- (164) Clear plastic with adhesive(cover, battery, Smart phone)
- (165) Black plastic with adhesive(tape, battery, Smart phone)
- (166) Silvery metal(contact chip, FPC, battery, Smart phone)
- (167) Brown plastic(base, FPC, battery, Smart phone)
- (168) Black FPC with EC(FPC, battery, Smart phone)

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A. Two hundred and thirty-five (235) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) regarding Regulation (EC) No 1907/2006 and its amendment directives concerning the REACH in the components of submitted sample as the requirement of client

Test method: With reference to in- house method, Analysis is performed by ICP-AES, UV-VIS, IC, GC-MS, Headspace GC-MS, LC-MS/MS, HPLC-TS-MS.

Item	Unit	MDL	Result					
			(1)+(4)+(7)+(16)+(18)+(21)+(26)+(27)+(29)+(31)	(2)+(5)+(10)	(3)+(6)+(17)+(22)+(23)+(34)+(48)+(51)+(53)+(55)	(8)+(19)+(24)+(32)+(67)+(80)+(124)+(140)+(162)+(168)	(9)	(11)+(12)+(13)+(14)
All Tested 235 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result					
			(15)	(20)	(25)	(28)+(30)+(72)+(76)+(93)+(115)+(128)+(150)+(152)	(33)	(35)+(40)+(42)+(43)+(44)+(46)+(47)+(50)+(52)+(54)
All Tested 235 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result					
			(36)+(37)+(38)+(39)+(68)	(41)	(45)+(61)+(65)+(69)+(79)+(82)+(83)+(96)+(100)+(113)	(49)+(58)+(59)+(78)+(135)+(137)+(138)+(142)+(158)	(56)+(57)+(62)+(86)+(90)+(97)+(101)+(102)+(104)+(105)	(60)+(63)+(70)+(73)+(74)+(77)+(88)+(92)+(94)+(95)
All Tested 235 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result					
			(64)	(66)	(71)+(87)	(75)+(161)	(81)+(122)+(127)+(131)+(139)+(144)+(147)+(149)+(153)+(166)	(84)+(85)+(91)+(103)+(106)+(110)+(143)
All Tested 235 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Item	Unit	MDL	Result				
			(89)+(167)	(98)+(99)+(111) +(112)+(114)+ (126)+(130)+ (134)+(136)+ (146)	(107)+(108)+ (109)+(116)+ (117)+(118)+ (119)+(120)+ (129)+(132)	(123)	(125)
All Tested 235 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.

Item	Unit	MDL	Result				
			(133)	(141)	(145)	(148)+(151)+ (154)+(155)+ (156)+(157)+ (159)+(160)+ (164)+(165)	(163)
All Tested 235 SVHC in the Candidate	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.

No.	Item	EC No	Unit	MDL	Result	Category
					(121)	
184	Lead(Pb)	231-100-4	mg/kg	50	60	Toxic for reproduction (Article 57 c)
/	All the other tested 234 SVHC in the Candidate	/	mg/kg	50	N.D.	/

Full list of tested SVHC:

No.	Item	CAS No.	EC No.	Unit	MDL	Category
1	Anthracene(ANT)	120-12-7	204-371-1	mg/kg	50	PBT
2	4,4' -diaminodiphenylmethane (9#)	101-77-9	202-974-4	mg/kg	50	CMR
3	Dibutyl Phthalate(DBP)	84-74-2	201-557-4	mg/kg	50	CMR
4	Cobalt Dichloride(CoCl2)*	7646-79-9	231-589-4	mg/kg	50	CMR
5	Diarsenic Pentaoxide(As2O5)*	1303-28-2	215-116-9	mg/kg	50	CMR
6	Diarsenic Trioxide(As2O3)*	1327-53-3	215-481-4	mg/kg	50	CMR
7	Sodium Dichromate, Dihydrate*	7789-12-0; 10588-01-9	234-190-3	mg/kg	50	CMR
8	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	81-15-2	201-329-4	mg/kg	50	vPvB

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
9	Bis-(2-ethylhexyl) Phthalate (DEHP)	117-81-7	204-211-0	mg/kg	50	Equivalent level of concern having probable serious effects to the environment (Article 57 f);Toxic for reproduction (article 57c)
10	Hexabromocyclododecane (HBCDD)	25637-99-4 & 3194-55-6 (134237-51-7,134237-50-6,134237-52-8)	247-148-4;221-695-9	mg/kg	50	PBT
11	Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	mg/kg	50	PBT
12	Bis(tributyltin)oxide(TBTO)**	56-35-9	200-268-0	mg/kg	50	PBT
13	Lead Hydrogen Arsenate*	7784-40-9	232-064-2	mg/kg	50	CMR
14	Benzyl Butyl Phthalate(BBP)	85-68-7	201-622-7	mg/kg	50	CMR
15	Triethyl Arsenate*	15606-95-8	427-700-2	mg/kg	50	CMR
16	Anthracene oil***	90640-80-5	292-602-7	mg/kg	50	PBT
17	Anthracene oil, anthracene paste, distn. lights***	91995-17-4	295-278-5	mg/kg	50	PBT
18	Anthracene oil, anthracene paste, anthracene fraction***	91995-15-2	295-275-9	mg/kg	50	PBT
19	Anthracene oil,Anthracene-low***	90640-82-7	292-604-8	mg/kg	50	PBT
20	Anthracene oil, anthracene paste***	90640-81-6	292-603-2	mg/kg	50	PBT
21	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	mg/kg	50	CMR
22	2,4-Dinitrotoluene	121-14-2	204-450-0	mg/kg	50	CMR
23	coal tar pitch, high temperature***	65996-93-2	266-028-2	mg/kg	50	PBT
24	tris(2-chloroethyl)phosphate	115-96-8	204-118-5	mg/kg	50	CMR
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	mg/kg	50	CMR
26	C.I.Pigment Red 104	12656-85-8	235-759-9	mg/kg	50	CMR
27	Lead chromate: chrome yellow	7758-97-6	231-846-0	mg/kg	50	CMR
28	Acrylamide	79-06-1	201-173-7	mg/kg	50	CMR
29	Trichloroethylene	79-01-6	201-167-4	mg/kg	50	CMR
30	Boric acid	10043-35-3; 11113-50-1	233-139-2; 234-343-4	mg/kg	50	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
31	Disodium tetraborate, anhydrous*	1330-43-4;12179-04-3;1303-96-4	215-540-4	mg/kg	50	CMR
32	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	mg/kg	50	CMR
33	Sodium chromate*	7775-11-3	231-889-5	mg/kg	50	CMR
34	Potassium chromate*	7789-00-6	232-140-5	mg/kg	50	CMR
35	Ammonium dichromate*	7789-09-5	232-143-1	mg/kg	50	CMR
36	Potassium dichromate*	7778-50-9	231-906-6	mg/kg	50	CMR
37	Cobalt(II) sulfate*	10124-43-3	233-334-2	mg/kg	50	CMR
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	mg/kg	50	CMR
39	Cobalt(II) carbonate*	513-79-1	208-169-4	mg/kg	50	CMR
40	Cobalt(II) diacetate*	71-48-7	200-755-8	mg/kg	50	CMR
41	2-Methoxyethanol	109-86-4	203-713-7	mg/kg	50	CMR
42	2-Ethoxyethanol	110-80-5	203-804-1	mg/kg	50	CMR
43	Chromium trioxide*	1333-82-0	215-607-8	mg/kg	50	CMR
44	Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5; 13530-68-2	231-801-5;236-881-5	mg/kg	50	CMR
45	2-Ethoxyethylacetate	111-15-9	203-839-2	mg/kg	50	CMR
46	strontium chromate*	7789-06-2	232-142-6	mg/kg	50	CRM
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters(DHNUP)	68515-42-4	271-084-6	mg/kg	50	CMR
48	Hydrazine	7803-57-8; 302-01-2	206-114-9	mg/kg	50	CMR
49	1-methyl-2-pyrrolidone(NMP)	872-50-4	212-828-1	mg/kg	50	CMR
50	1,2,3-Trichloropropane	96-18-4	202-486-1	mg/kg	50	CMR
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich(DIHP)	71888-89-6	276-158-1	mg/kg	50	CMR
52	Zirconia Aluminosilicate Refractory Ceramic Fibres****	---	---	mg/kg	50	CMR
53	Calcium arsenate*	7778-44-1	231-904-5	mg/kg	50	CMR
54	Bis(2-methoxy ethyl)ether	111-96-6	203-924-4	mg/kg	50	CMR
55	Aluminosilicate Refractory Ceramic Fibres(RCF)****	---	---	mg/kg	50	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
56	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	mg/kg	50	CMR
57	Lead dipicrate	6477-64-1	229-335-2	mg/kg	50	CMR
58	N,N-Dimethylacetamide	127-19-5	204-826-4	mg/kg	50	CMR
59	Arsenic acid	7778-39-4	231-901-9	mg/kg	50	CMR
60	o-anisidine(21#)	90-04-0	201-963-1	mg/kg	50	CMR
61	Trilead diarsenate*	3687-31-8	222-979-5	mg/kg	50	CMR
62	1,2-Dichloroethane	107-06-2	203-458-1	mg/kg	50	CMR
63	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	mg/kg	50	CMR
64	4-(1,1,3,3-tetramethylbutyl) phenol	140-66-9	205-426-2	mg/kg	50	Equivalent level of concern having probable serious effects to the environment
65	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	mg/kg	50	CMR
66	Bis(2-methoxyethyl) Phthalate (DMEP)	117-82-8	204-212-6	mg/kg	50	CMR
67	Lead diazide, Lead azide*	13424-46-9	236-542-1	mg/kg	50	CMR
68	Lead styphnate*	15245-44-0	239-290-0	mg/kg	50	CMR
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	mg/kg	50	CMR
70	Phenolphthalein	77-09-8	201-004-7	mg/kg	50	CMR
71	Dichromium tris(chromate)*	24613-89-6	246-356-2	mg/kg	50	CMR
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	mg/kg	50	CMR
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	203-794-9	mg/kg	50	CMR
74	Diboron trioxide*	1303-86-2	215-125-8	mg/kg	50	CMR
75	Formamide(FMA)	75-12-7	200-842-0	mg/kg	50	CMR
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	mg/kg	50	CMR
77	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)	2451-62-9	219-514-3	mg/kg	50	CMR
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	mg/kg	50	CMR
79	4,4'-Bis(dimethylamino) benzophenone(Michler's ketone)	90-94-8	202-027-5	mg/kg	50	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	mg/kg	50	CMR
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)*****	548-62-9	208-953-6	mg/kg	50	CMR
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)*****	2580-56-5	219-943-6	mg/kg	50	CMR
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino) naphthalene-1 -methanol(C.I. Solvent Blue 4)*****	6786-83-0	229-851-8	mg/kg	50	CMR
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol*****	561-41-1	209-218-2	mg/kg	50	CMR
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	214-604-9	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
86	Pentacosafuorotridecanoic acid(EGDME)	72629-94-8	276-745-2	mg/kg	50	vPvB
87	Tricosafuorododecanoic acid (PFDoA)	307-55-1	206-203-2	mg/kg	50	vPvB(Article 57e)
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	mg/kg	50	vPvB
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	mg/kg	50	vPvB
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	---	---	mg/kg	50	Equivalent level of concern having probable serious effects to the environment

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
91	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	---	---	mg/kg	50	Endocrine disrupting properties (Article 57 (f)-environment)
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	mg/kg	50	Equivalent level of concern having probable serious effects to the environment
93	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry	85-42-7; 13149-00-3; 14166-21-3	201-604-9;236-086-3;238-009-9	mg/kg	50	Equivalent level of concern having probable serious effects to the environment
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0; 19438-60-9; 48122-14-1; 57110-29-9	247-094-1;243-072-0;256-356-4;260-566-1	mg/kg	50	Equivalent level of concern having probable serious effects to the environment
95	Methoxyacetic acid	625-45-6	210-894-6	mg/kg	50	CMR
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear(DPIP)	84777-06-0	284-032-2	mg/kg	50	CMR
97	Diisopentyl phthalate(DIPP)	605-50-5	210-088-4	mg/kg	50	CMR
98	n-pentyl-isopentyl phthalate (PIPP)	776297-69-9	---	mg/kg	50	CMR
99	1,2-Diethoxyethane	629-14-1	211-076-1	mg/kg	50	CMR
100	N,N-dimethylformamide(DMF)	68-12-2	200-679-5	mg/kg	50	CMR
101	Dibutyltin dichloride(DBTC)	683-18-1	211-670-0	mg/kg	50	CMR
102	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	mg/kg	50	CMR
103	Trilead bis(carbonate) dihydroxide*	1319-46-6	215-290-6	mg/kg	50	Toxic for reproduction (Article 57c)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
104	Lead oxide sulfate (basic lead sulfate)*	12036-76-9	234-853-7	mg/kg	50	CMR
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	273-688-5	mg/kg	50	CMR
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	mg/kg	50	CMR
107	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	mg/kg	50	CMR
108	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	mg/kg	50	CMR
109	Lead cyanamate*	20837-86-9	244-073-9	mg/kg	50	CMR
110	Lead dinitrate*	10099-74-8	233-245-9	mg/kg	50	CMR
111	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	mg/kg	50	CMR
112	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	mg/kg	50	CMR
113	Lead titanium trioxide*	12060-00-3	235-038-9	mg/kg	50	CMR
114	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	mg/kg	50	CMR
115	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	mg/kg	50	CMR
116	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	mg/kg	50	Toxic for reproduction (Article 57c)
117	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	272-271-5	mg/kg	50	Toxic for reproduction (Article 57c)
118	Silicic acid, lead salt*	11120-22-2	234-363-3	mg/kg	50	Toxic for reproduction (Article 57c)
119	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	mg/kg	50	Toxic for reproduction (Article 57c)
120	Tetraethyllead*	78-00-2	201-075-4	mg/kg	50	Toxic for reproduction (Article 57c)
121	Tetralead trioxide sulphate*	12202-17-4	235-380-9	mg/kg	50	Toxic for reproduction (Article 57c)
122	Trilead dioxide phosphonate*	12141-20-7	235-252-2	mg/kg	50	Toxic for reproduction (Article 57c)
123	Furan	110-00-9	203-727-3	mg/kg	50	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	mg/kg	50	CMR
125	Diethyl sulfate	64-67-5	200-589-6	mg/kg	50	CMR
126	Dimethyl sulfate	77-78-1	201-058-1	mg/kg	50	CMR
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	mg/kg	50	CMR
128	Dinoseb	88-85-7	201-861-7	mg/kg	50	CMR
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	mg/kg	50	CMR
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	mg/kg	50	CMR
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	mg/kg	50	CMR
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	mg/kg	50	CMR
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	mg/kg	50	CMR
134	Biphenyl-4-ylamine	92-67-1	202-177-1	mg/kg	50	CMR
135	o-aminoazotoluene	97-56-3	202-591-2	mg/kg	50	CMR
136	o-Toluidine	95-53-4	202-429-0	mg/kg	50	CMR
137	N-Methylacetamide	79-16-3	201-182-6	mg/kg	50	CMR
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	mg/kg	50	CMR
139	Cadmium(Cd)	7440-43-9	231-152-8	mg/kg	50	Carcinogenic (Article 57a)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
140	Cadmium oxide*	1306-19-0	215-146-2	mg/kg	50	Carcinogenic (Article 57a)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	mg/kg	50	Toxic for reproduction (Article 57c)/PBT(Article 57d)
142	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	mg/kg	50	Toxic for reproduction (Article 57c)/PBT(Article 57d)
143	Dipentyl phthalate(DPP)	131-18-0	205-017-9	mg/kg	50	Toxic for reproduction (Article 57c)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
144	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	---	---	mg/kg	50	Endocrine disrupting properties (Article 57 (f)-environment)
145	Cadmium sulphide*	1306-23-6	215-147-8	mg/kg	50	Carcinogenic (Article 57a)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
146	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3	mg/kg	50	Carcinogenic(Article 57a)
147	Diethyl phthalate	84-75-3	201-559-5	mg/kg	50	Toxic for reproduction (Article 57c)
148	Imidazolidine-2-thione(2-imidazoline-2-thiol)	96-45-7	202-506-9	mg/kg	50	Toxic for reproduction (Article 57c)
149	Triethyl phosphate(TXP)	25155-23-1	246-677-8	mg/kg	50	Toxic for reproduction (Article 57c)
150	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	mg/kg	50	Carcinogenic(Article 57a)
151	Lead di(acetate)*	301-04-2	206-104-4	mg/kg	50	Toxic for reproduction (Article 57c)
152	Sodium peroxometaborate*	7632-04-4	231-556-4	mg/kg	50	Toxic for reproduction (Article 57c)
153	Cadmium chloride*	10108-64-2	233-296-7	mg/kg	50	Carcinogenic (Article 57a)/Mutagenic (Article 57b)/Toxic for reproduction (Article 57c)/Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
154	1,2-Benzenedicarboxylic Acid, diethyl ester, branched and linear(DHxP)	68515-50-4	271-093-5	mg/kg	50	Toxic for reproduction (Article 57c)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
155	Sodium perborate; perboric acid, sodium salt*	---	---	mg/kg	50	Toxic for reproduction (Article 57c)
156	Cadmium fluoride*	7790-79-6	232-222-0	mg/kg	50	Carcinogenic (Article 57a)/Mutagenic (Article 57b)/Toxic for reproduction (Article 57c)/Specific target organ toxicity after repeated exposure (Article 57f) - human health)
157	Cadmium sulphate*	10124-36-4; 31119-53-6	233-331-6	mg/kg	50	Carcinogenic (Article 57a)/Mutagenic (Article 57b)/Toxic for reproduction (Article 57c)/Specific target organ toxicity after repeated exposure (Article 57f) - human health)
158	2-benzotriazol-2-yl-4, 6-di-tert-butylphenol(UV-320)	3846-71-7	223-346-6	mg/kg	50	PBT (Article 57d)/vPvB (Article 57e)
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentyphenol(UV-328)	25973-55-1	247-384-8	mg/kg	50	PBT (Article 57d)/vPvB (Article 57e)
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(DOTE)	15571-58-1	239-622-4	mg/kg	50	Toxic for reproduction (Article 57c)
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	---	---	mg/kg	50	Toxic for reproduction (Article 57c)
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate(EC No. 201-559-5)	---	---	mg/kg	50	Toxic for reproduction (Article 57c)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	---	---	mg/kg	50	vPvB(Article 57e)
164	Nitrobenzene	98-95-3	202-716-0	mg/kg	50	Toxic for reproduction (Article 57 c)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	mg/kg	50	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol(UV-350)	36437-37-3	253-037-1	mg/kg	50	vPvB (Article 57 e)
167	1,3-Propanesultone	1120-71-4	214-317-9	mg/kg	50	Carcinogenic(Article 57 a)
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	---	---	mg/kg	50	Toxic for reproduction (Article 57 c) /PBT (Article 57 d)
169	Benzo[a]pyrene(BaP)	50-32-8	200-028-5	mg/kg	50	Carcinogenic (Article 57 a) /Mutagenic (Article 57 b) /Toxic for reproduction (Article 57 c) /PBT (Article 57 d)/ vPvB (Article 57 e)
170	p-(1,1-dimethylpropyl)phenol (PTAP)	80-46-6	201-280-9	mg/kg	50	Endocrine disrupting properties (Article 57(f) - environment)
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	---	---	mg/kg	50	Toxic for reproduction (Article 57c) PBT (Article 57d)
172	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	---	---	mg/kg	50	Endocrine disrupting properties (Article 57(f) - environment)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
173	4,4'-isopropylidenediphenol (bisphenol A)(BPA)	80-05-7	201-245-8	mg/kg	50	Toxic for reproduction (Article 57c) /Endocrine disrupting properties (Article 57(f) - environment) /Endocrine disrupting properties (Article 57 (f) - human health)
174	Perfluorohexane-1-sulphonic acid and its salts(PFHxS)	---	---	mg/kg	50	vPvB (Article 57e)
175	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear (4-HPbl)	---	---	mg/kg	50	Endocrine disrupting properties (Article 57(f) – environment)
176	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo [12.2.1.1 , .0 ² , ¹³ ,0 ⁵ , ¹]octadeca 7,15-diene ("Dechlorane Plus"™)covering any of its individual anti- and syn-isomers or any combination thereof	---	---	mg/kg	50	vPvB (Article 57 e)
177	Chrysene(CHR)	218-01-9	205-923-4	mg/kg	50	Carcinogenic (Article 57 a) PBT (Article 57 d) vPvB (Article 57 e)
178	Cadmium nitrate*	10325-94-7	233-710-6	mg/kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
179	Cadmium hydroxide*	21041-95-2	244-168-5	mg/kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
180	Cadmium carbonate*	513-78-0	208-168-9	mg/kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
181	Benzo[a]anthracene(BaA)	56-55-3	200-280-6	mg/kg	50	Carcinogenic (Article 57 a) PBT (Article 57 d) vPvB (Article 57 e)
182	Terphenyl, hydrogenated	61788-32-7	262-967-7	mg/kg	50	vPvB (Article 57 e)
183	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
184	Lead(Pb)	7439-92-1	231-100-4	mg/kg	50	Toxic for reproduction (Article 57 c)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
185	Ethylenediamine(EDA)	107-15-3	203-468-6	mg/kg	50	Respiratory sensitising properties (Article 57 (f)-human health)
186	Dodecamethylcyclotetrasiloxane(D6)	540-97-6	208-762-8	mg/kg	50	PBT (Article 57 d);vPvB (Article 57 e)
187	Disodium octaborate	12008-41-2	234-541-0	mg/kg	50	Toxic for reproduction (Article 57c)
188	Dicyclohexyl Phthalate(DCHP)	84-61-7	201-545-9	mg/kg	50	Toxic for reproduction (Article 57 c) Endocrine disrupting properties (Article 57(f)-human health)
189	Decamethylcyclotetrasiloxane (D5)	541-02-6	208-764-9	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
190	Benzo[g,h,i]perylene (BPE)	191-24-2	205-883-8	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
191	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(trimellitic anhydride)(TMA)	552-30-7	209-008-0	mg/kg	50	Respiratory sensitising properties (Article 57 (f)-human health)
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	mg/kg	50	Toxic for reproduction (Article 57 c)
193	Benzo[k]fluoranthene (BkFA)	207-08-9	205-916-6	mg/kg	50	Carcinogenic(Article 57 a)PBT (Article 57 d)vPvB(Article 57 e)
194	Fluoranthene (FLT)	206-44-0	205-912-4	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
195	Phenanthrene (PHE)	85-01-8	201-581-5	mg/kg	50	vPvB (Article 57 e)
196	Pyrene (PYR)	129-00-0	204-927-3	mg/kg	50	PBT (Article 57 d) vPvB (Article 57 e)
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo [2.2.1]heptan-2-one(3-benzylidene camphor)(3-BC)	15087-24-8	239-139-9	mg/kg	50	Endocrine disrupting properties (Article 57 (f)-environment)
198	2-Methoxyethyl Acetate	110-49-6	203-772-9	mg/kg	50	Toxic for reproduction (Article 57c)
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	---	---	mg/kg	50	Endocrine disrupting properties (Article 57(f) – environment)
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	---	---	mg/kg	50	Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health)
201	4-tert-Butylphenol(PTBP)	98-54-4	202-679-0	mg/kg	50	Endocrine disrupting properties (Article 57(f) – environment)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
202	Diisohexyl phthalate(DIHxP)	71850-09-4	276-090-2	mg/kg	50	Toxic for reproduction (Article 57c)
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	mg/kg	50	Toxic for reproduction (Article 57c)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	mg/kg	50	Toxic for reproduction (Article 57c)
205	Perfluorobutane sulfonic acid (PFBS) and its salts(PFBS)	--	--	mg/kg	50	Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health)
206	1-Vinylimidazole	1072-63-5	214-012-0	mg/kg	50	Toxic for reproduction (Article 57c)
207	2-Methylimidazole	693-98-1	211-765-7	mg/kg	50	Toxic for reproduction (Article 57c)
208	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	mg/kg	50	Toxic for reproduction (Article 57c)
209	Butyl 4-hydroxybenzoate (Butylparaben)	94-26-8	202-318-7	mg/kg	50	Endocrine disrupting properties - human health (Article 57(f) – human health)
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	mg/kg	50	Toxic for reproduction (Article 57c)
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis (cocoacyloxy) derivs., and any other stannane, dioctyl-, bis (fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	--	--	mg/kg	50	Toxic for reproduction (Article 57c)
212	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	--	--	mg/kg	50	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
213	orthoboric acid, sodium salt	--	--	mg/kg	50	Toxic for reproduction (Article 57c)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
214	Medium-chain chlorinated paraffins (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17) (MCCP)	--	--	mg/kg	50	PBT (Article 57d) vPvB (Article 57e)
215	Glutaral	111-30-8	203-856-5	mg/kg	50	Respiratory sensitising properties (Article 57(f) - human health)
216	4,4'-(1-methylpropylidene) bisphenol	77-40-7	201-025-1	mg/kg	50	Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
217	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	--	--	mg/kg	50	Toxic for reproduction (Article 57c)
218	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0/36483-57-5/1522-92-5/96-13-9	221-967-7/253-057-0/202-480-9	mg/kg	50	Carcinogenic (Article 57a)
219	1,4-dioxane	123-91-1	204-661-8	mg/kg	50	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(DBMC)	119-47-1	204-327-1	mg/kg	50	Toxic for reproduction(Article 57 c)
221	tris(2-methoxyethoxy) vinylsilane	1067-53-4	213-934-0	mg/kg	50	Toxic for reproduction(Article 57 c)
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene] bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof(4-MBC)	--	--	mg/kg	50	Endocrine disrupting properties (Article 57(f) - human health)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
223	S-(tricyclo[5.2.1.0'2,6]deca-3-en-8(or 9)-yl) O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	mg/kg	50	PBT (Article 57 d)
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	mg/kg	50	Carcinogenic (Article 57a) Mutagenic (Article 57b)
225	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl) morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	--	473-390-7	mg/kg	50	vPvB (Article 57e)
226	Perfluoroheptanoic acid and its salts	--	--	mg/kg	50	Toxic for reproduction (Article 57c); PBT (Article 57d); vPvB (Article 57e); Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
227	Melamine	108-78-1	203-615-4	mg/kg	50	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
228	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	mg/kg	50	Endocrine disrupting properties (Article 57(f) – human health)
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	--	--	mg/kg	50	vPvB (Article 57e)
230	Barium diboron tetraoxide	13701-59-2	237-222-4	mg/kg	50	Toxic for reproduction (Article 57c)
231	4,4'-sulphonyldiphenol	80-09-1	201-250-5	mg/kg	50	Toxic for reproduction (Article 57c); Endocrine disrupting properties (Article 57(f) – environment); Endocrine disrupting properties (Article 57(f) – human health)
232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	mg/kg	50	Carcinogenic (Article 57a)

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No.	Item	CAS No.	EC No.	Unit	MDL	Category
233	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	mg/kg	50	vPvB (Article 57e)
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	mg/kg	50	Toxic for reproduction (Article 57c)
235	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	mg/kg	50	vPvB (Article 57e)

Note:

- Please refer to full list of tested SVHC.
- N.D.= Not Detected or less than MDL
- MDL = Method Detection Limit
- + = Composite testing.
- * = Calculated concentration of Cobalt Dichloride(CoCl₂) is based on the identified heavy metal and anion result. Calculated concentration of Diarsenic Pentaoxide(As₂O₅), Diarsenic Trioxide(As₂O₃), Sodium Dichromate, Dihydrate, LeadHydrogen Arsenate and Triethyl Arsenate, Disodium tetraborate, anhydrous , Tetraboron disodium heptaoxide, hydrate, Sodium chromate , Potassium chromate, Ammonium dichromate, Potassium dichromate, Cobalt(II) sulfate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate, Chromium trioxide, Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid, strontium chromate, Calcium arsenate, Potassium hydroxyoctaoxodizincatedi-chromate, Lead dipicrate, Arsenic acid , Trilead diarsenate, Lead diazide, Lead azide, Lead styphnate, Dichromium tris(chromate), Diboron trioxide, Lead(II) bis(methanesulfonate), Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis (carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead(dibasic lead phthalate), Dioxobis(stearato) trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Leadcyanamide, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead TitaniumZirconium Oxide, Pentalead tetraoxide sulphate, Pyrochlore, antimony lead yellow C.I., Silicic acid (H₂SiO₅), barium salt(1:1), lead-doped, [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008], Silicic acid, lead salt, Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Cadmium oxide, Cadmium sulphide, Lead di(acetate), Sodiumperoxometaborate, Cadmium chloride , Sodium perborate; perboric acid, sodium salt, Cadmium fluoride, Cadmium sulphate, Cadmium nitrate, Cadmium hydroxide, Cadmium carbonate are based on the identified heavy metal result. Identity of abovemetal substances present in the article has to be further confirmed.
- ** = Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT Result. The result is ascreening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is required if the exact amount of TBTO has to be determined.
- *** = Calculated concentration of these coal-tar products is based on the identified polycyclic aromatic hydrocarbons PAHs and heterocyclic compounds.
- **** = Calculated concentration of these Aluminosilicate and Zirconia Aluminosilicate is based on the identified aluminum and zirconium Result by ICP-AES.
- ***** = The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration ≥ 0.1% (weight / weight). - Carcinogenic, Mutagenic or toxic to Reproduction (CMR), meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC, Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to the criteria in Annex of XIII of the REACH Regulation, and/or Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an equivalent level of concern as those above (e.g. endocrine disruptors).
- The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the list published by ECHA: <https://echa.europa.eu/candidate-list-table> This list is under evaluation by ECHA and may subject to change in the future.
- If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

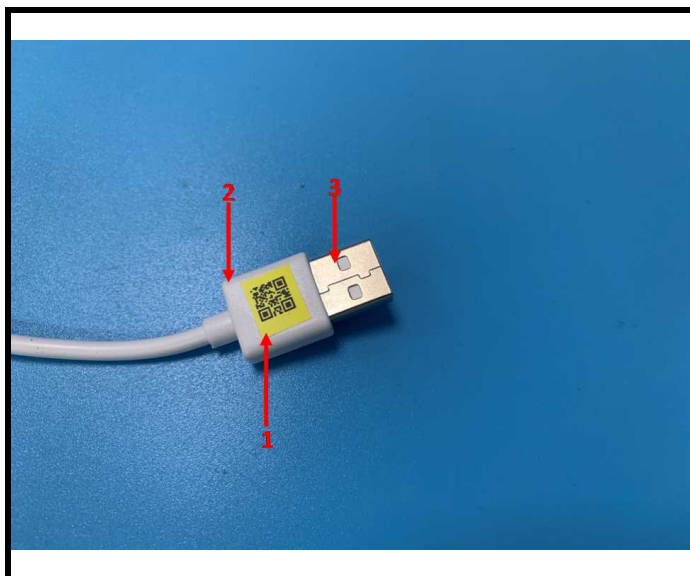
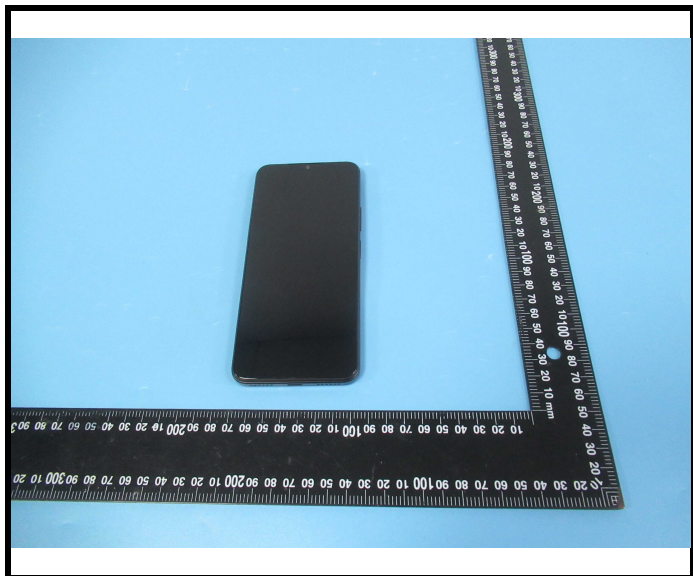
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Photograph of Sample

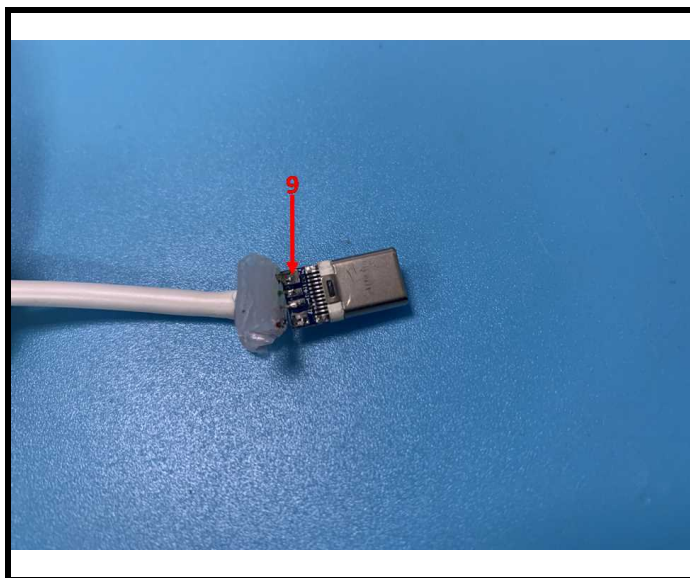
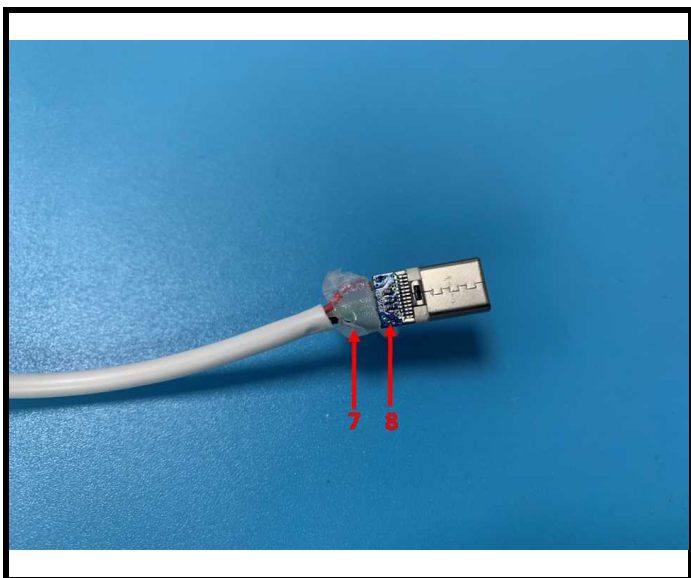
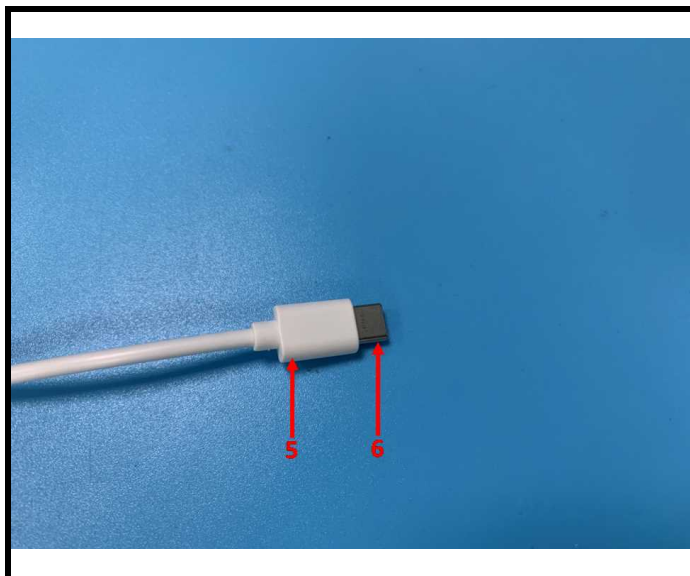
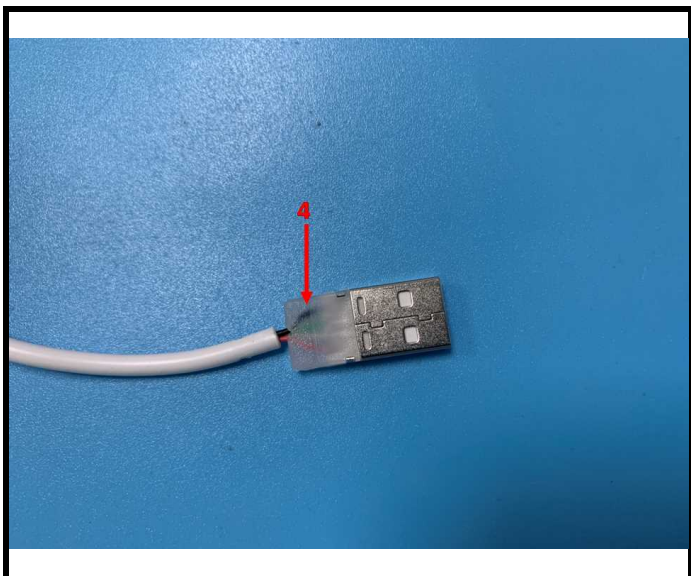


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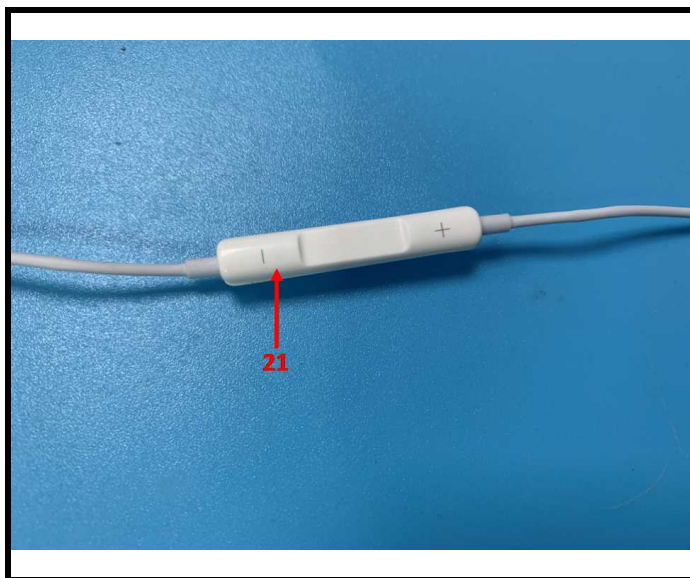
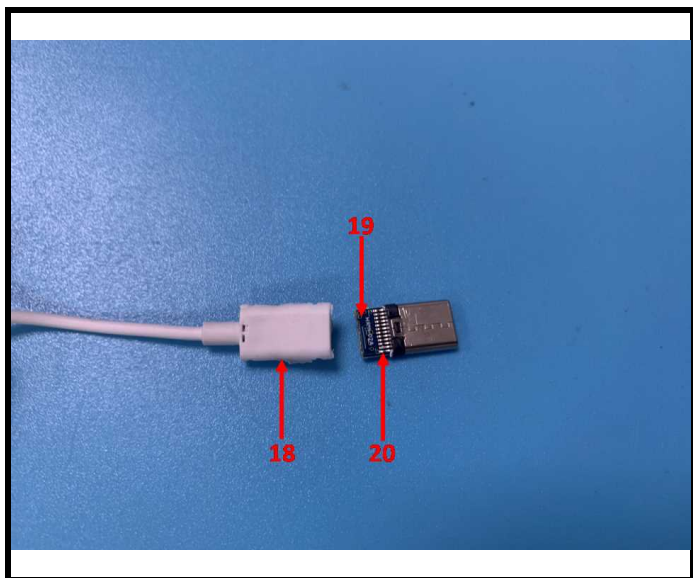
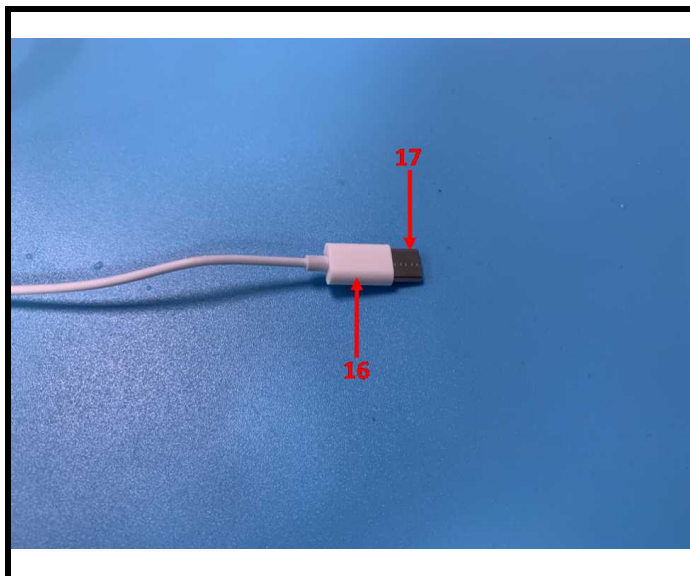
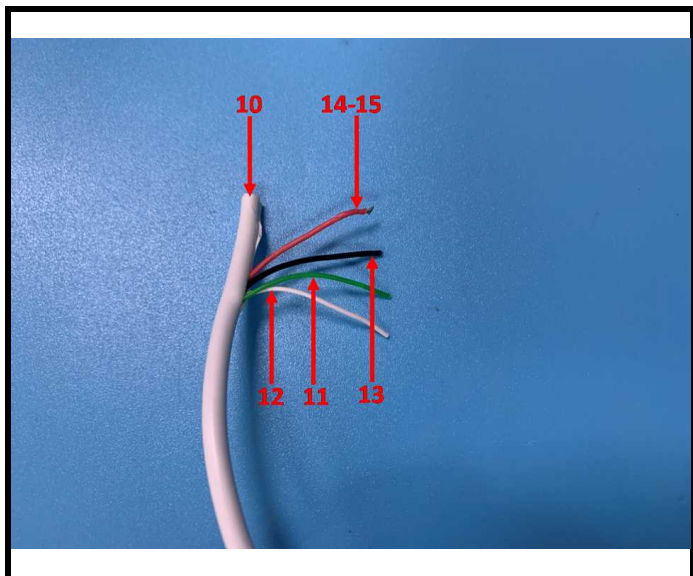


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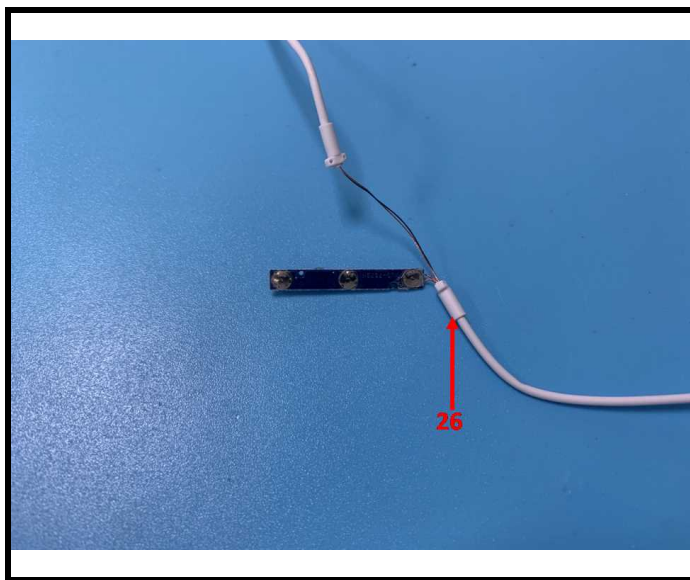
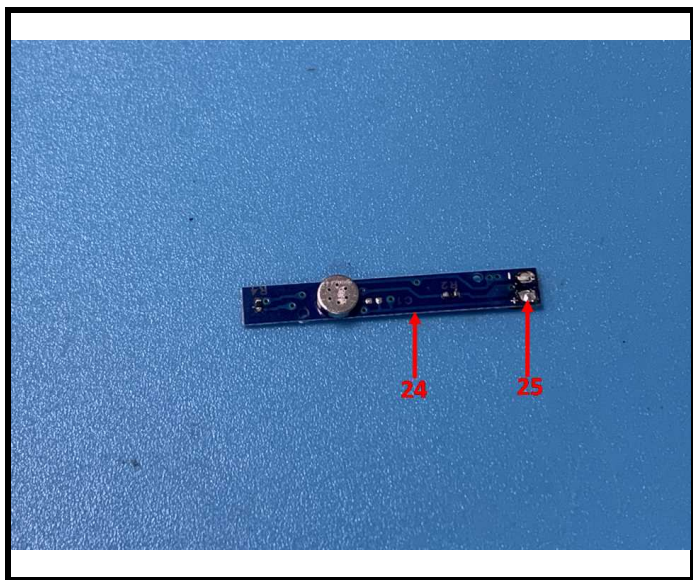
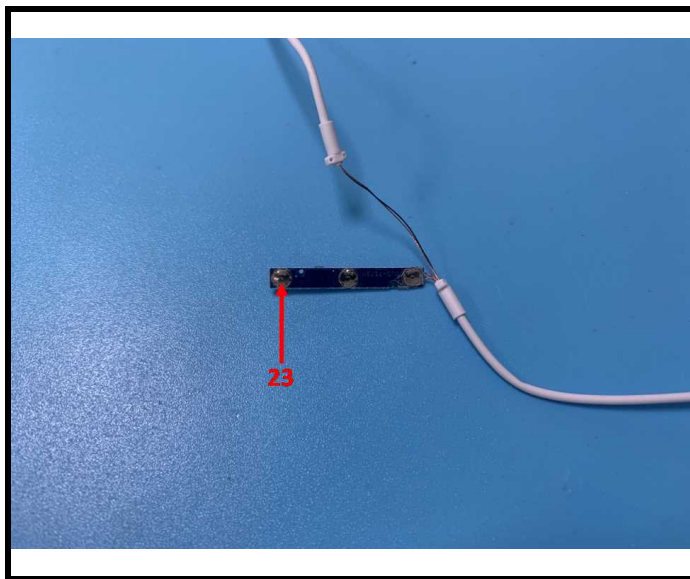
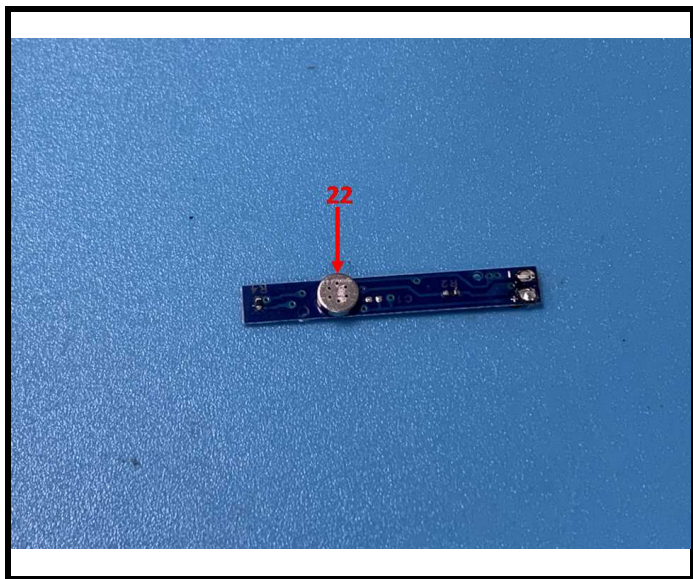


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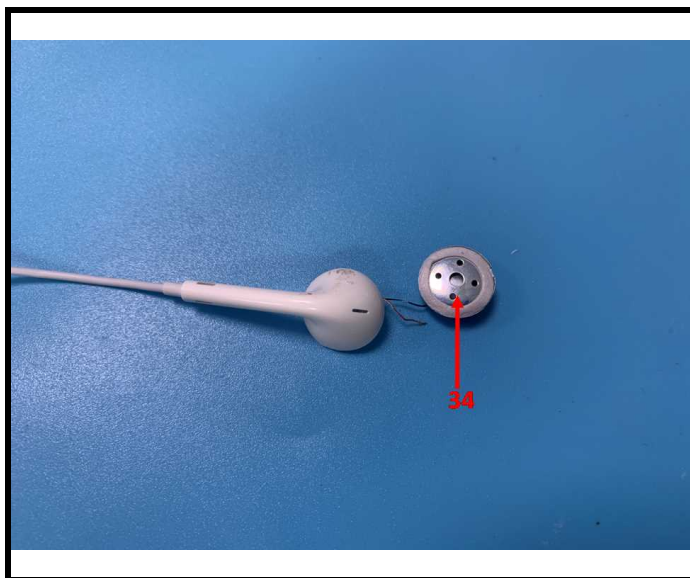
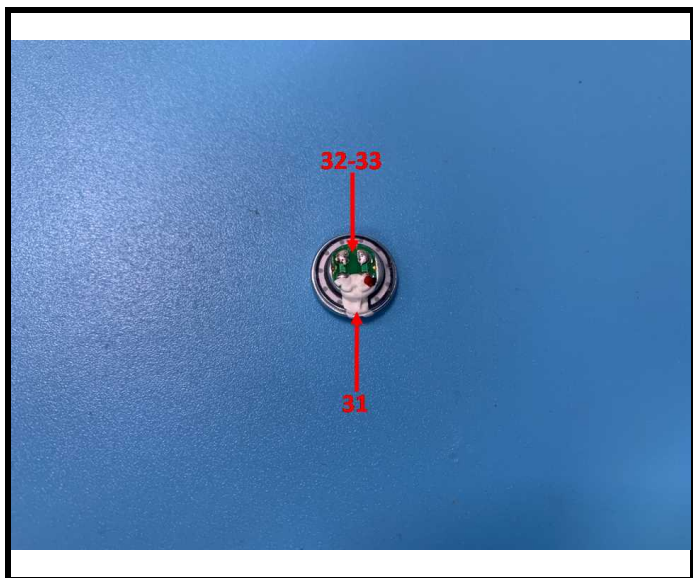
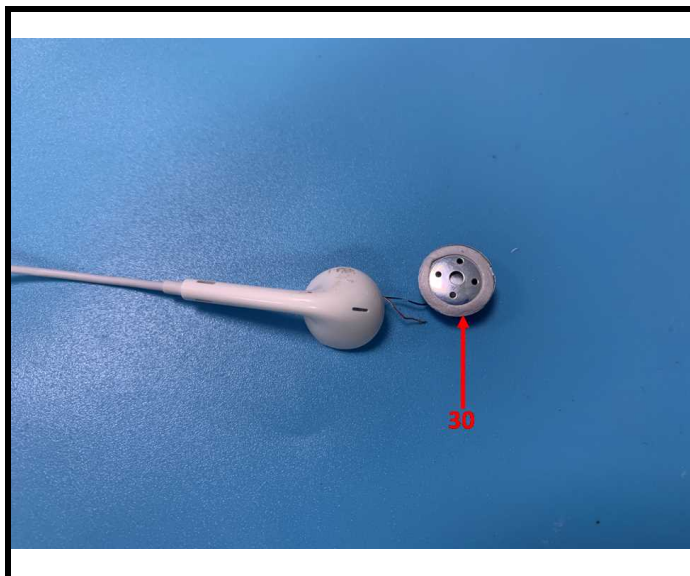
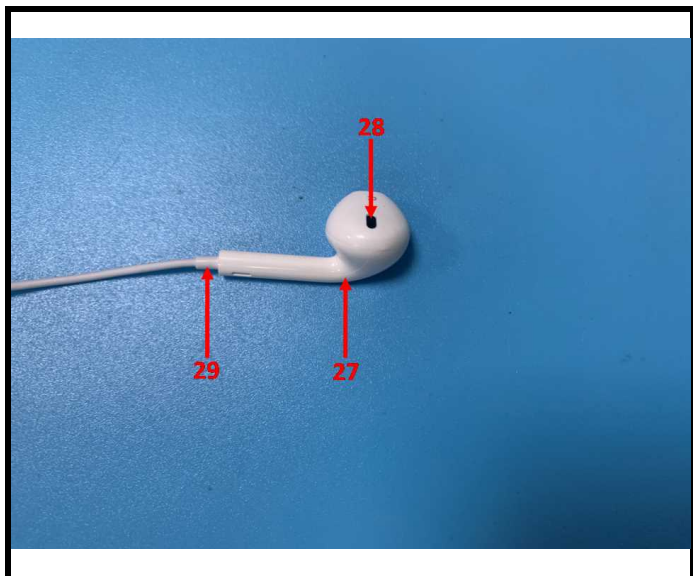


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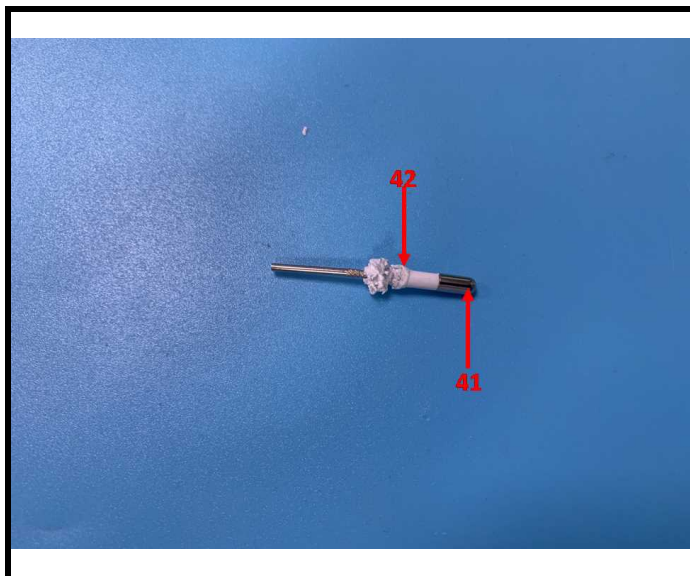
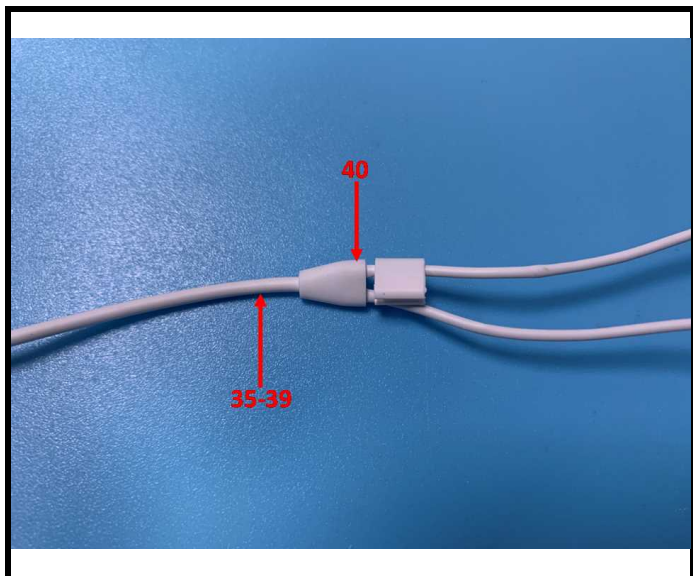


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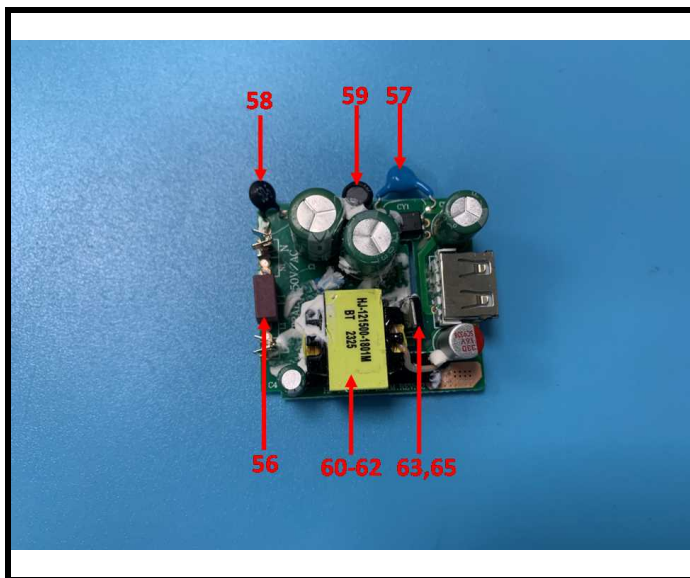
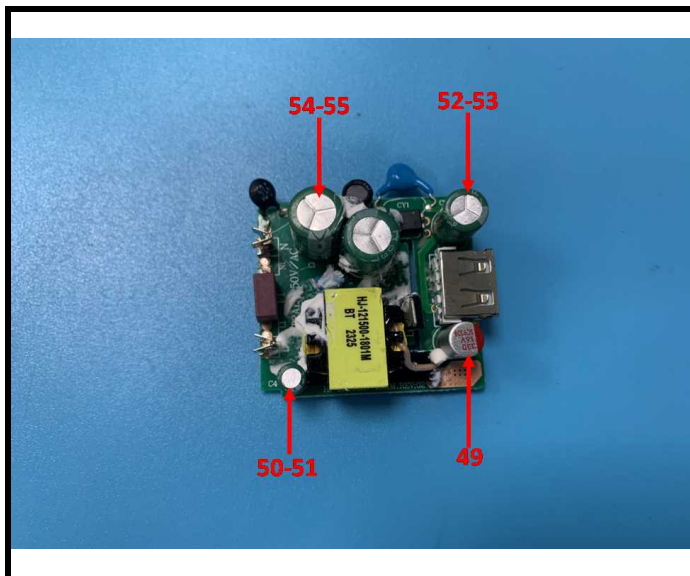
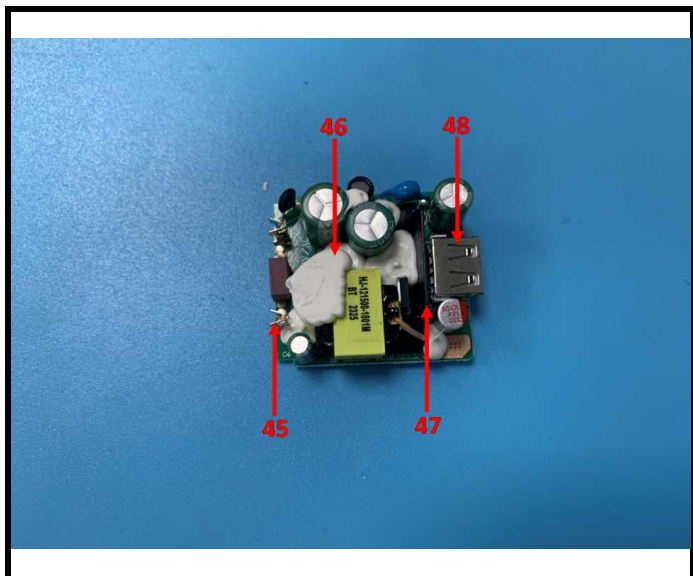


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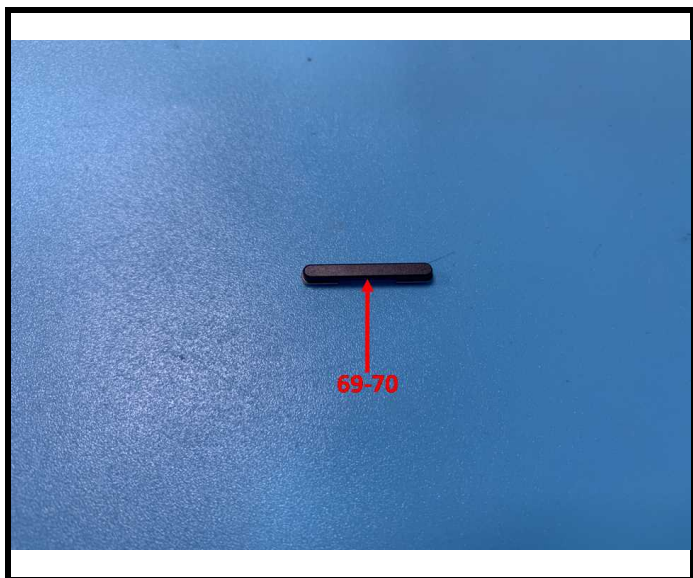
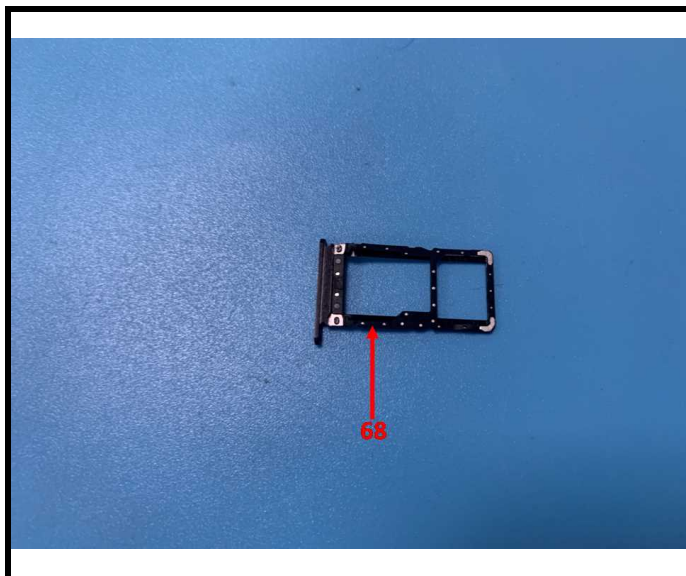
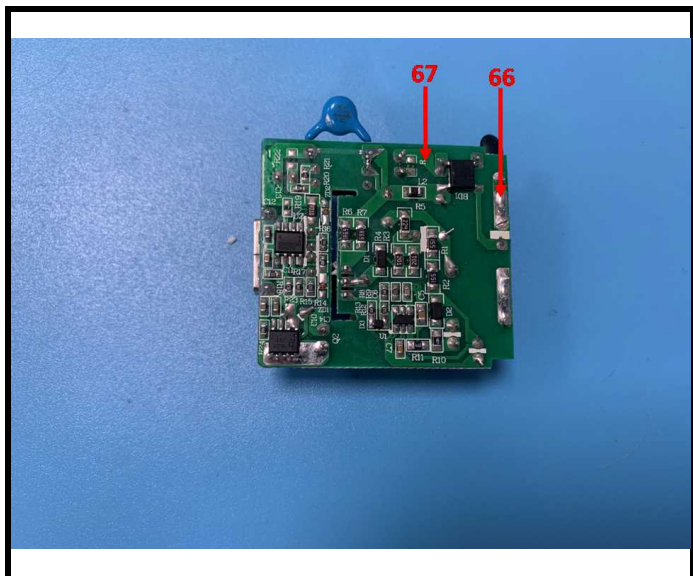


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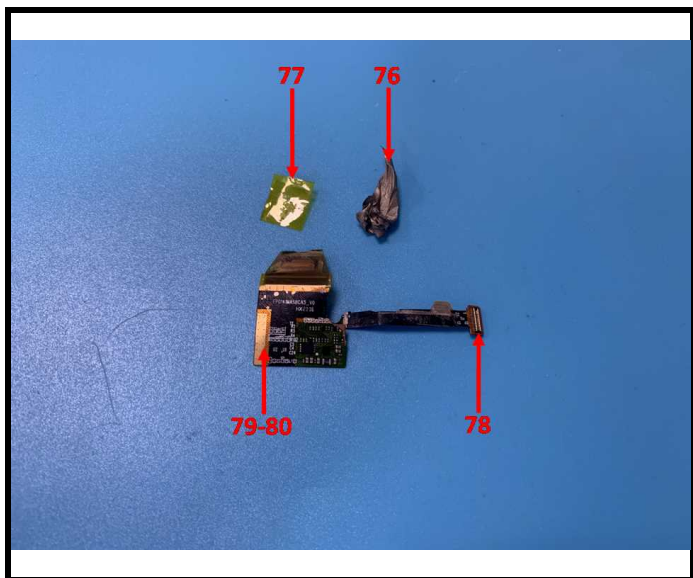


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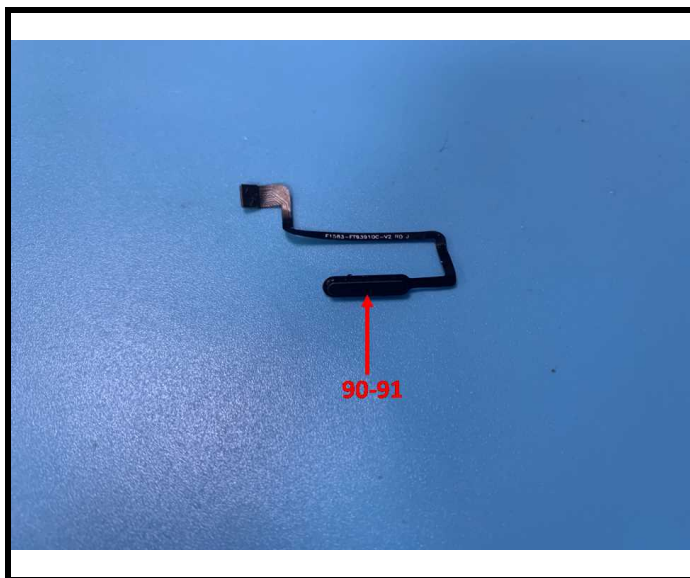
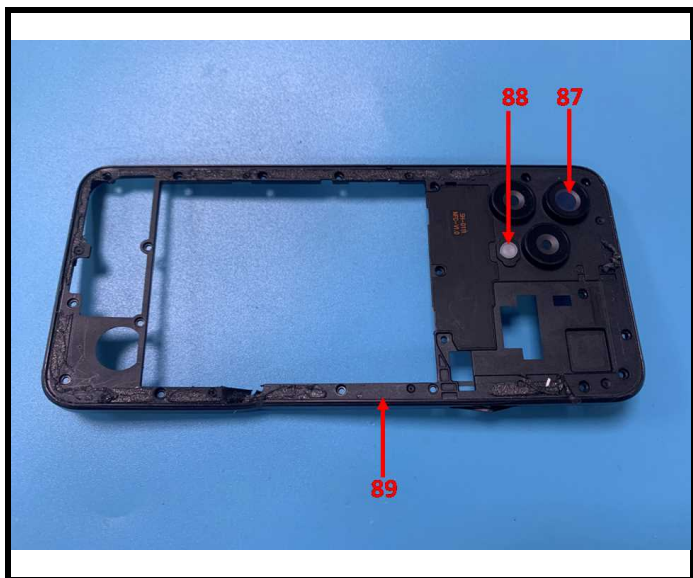
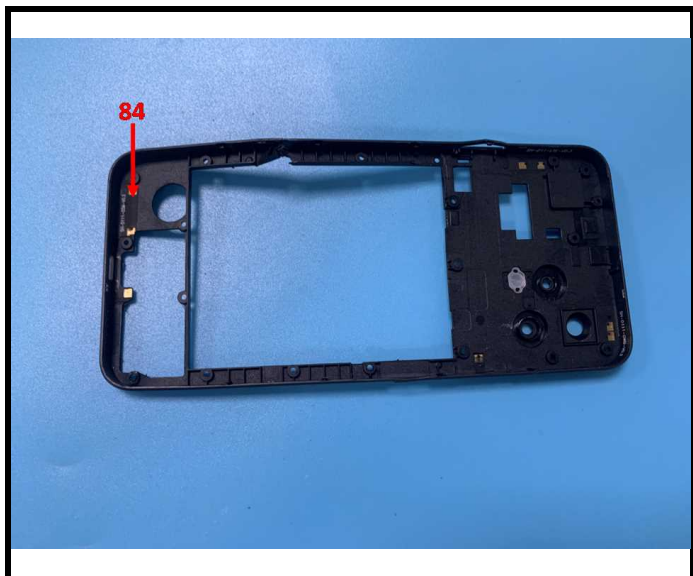


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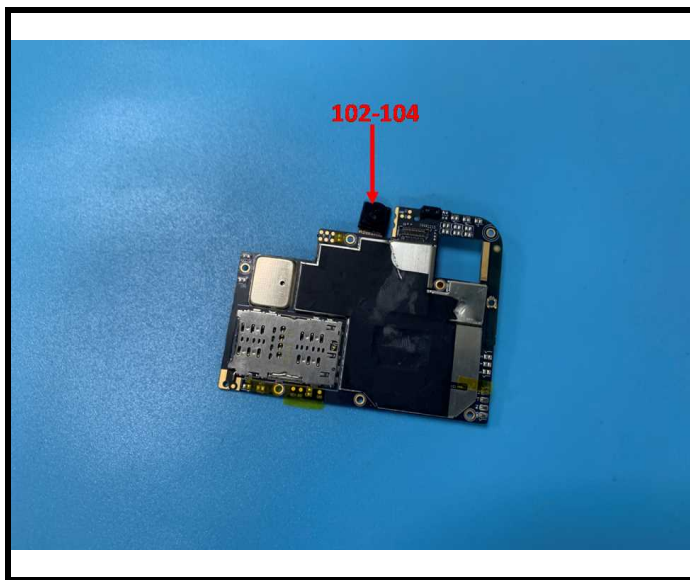
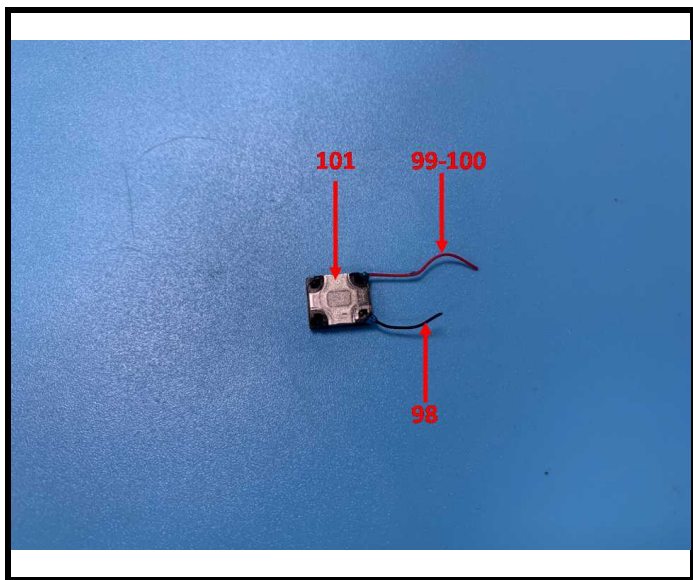
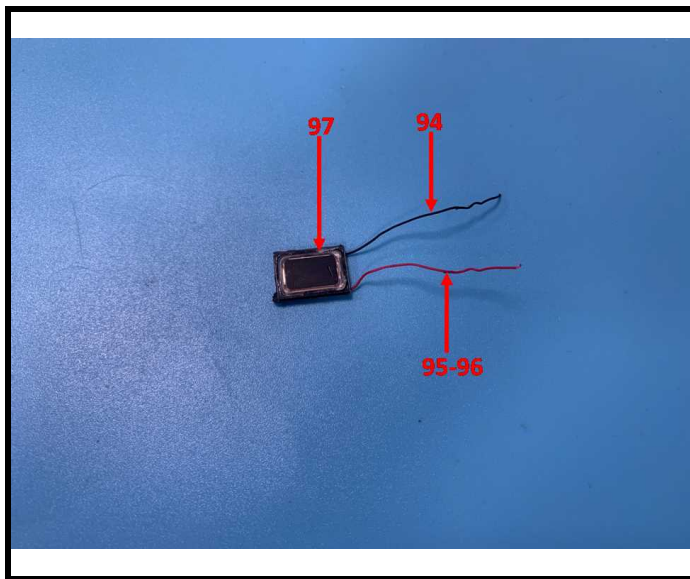
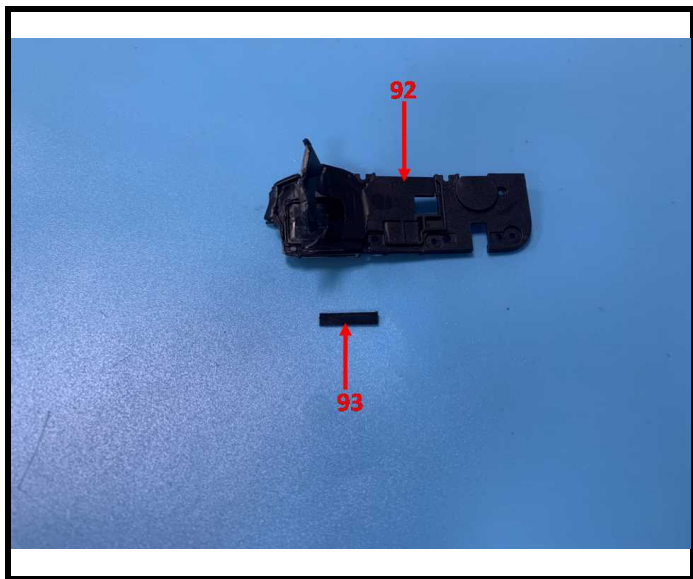


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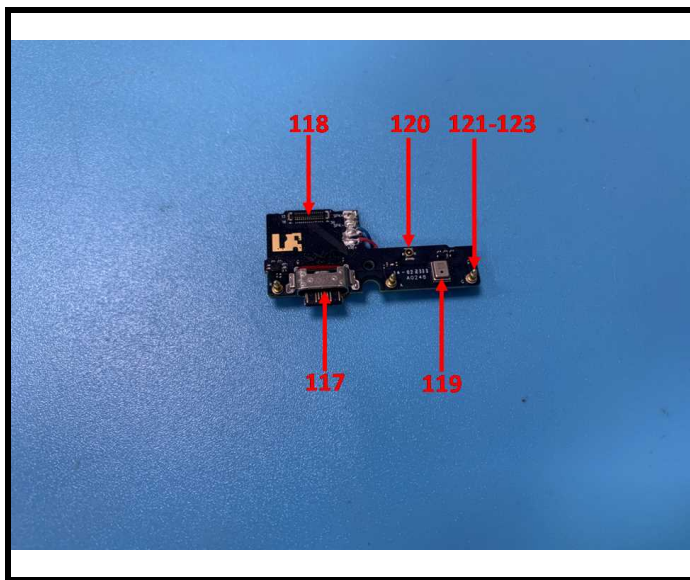
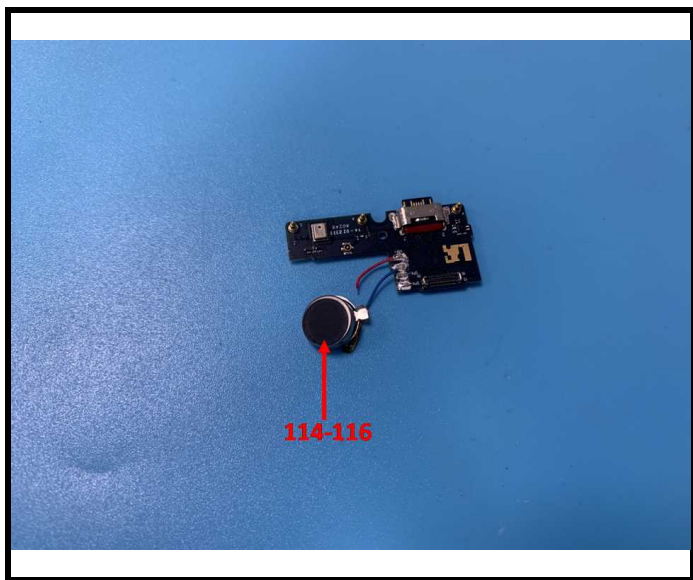
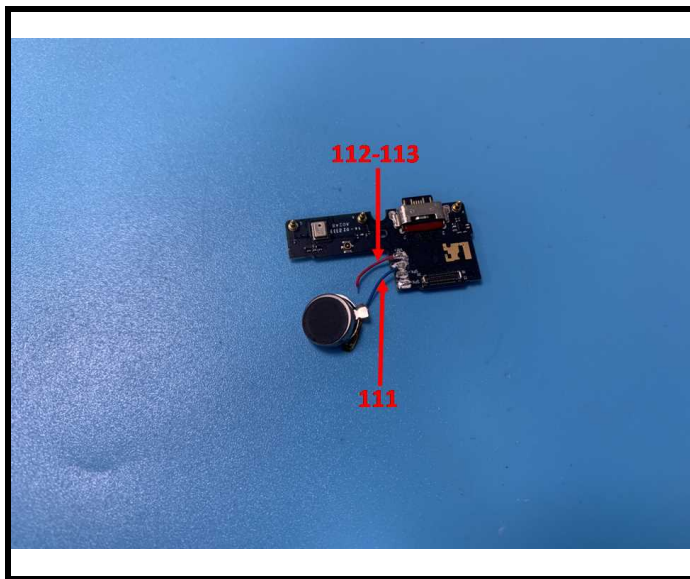
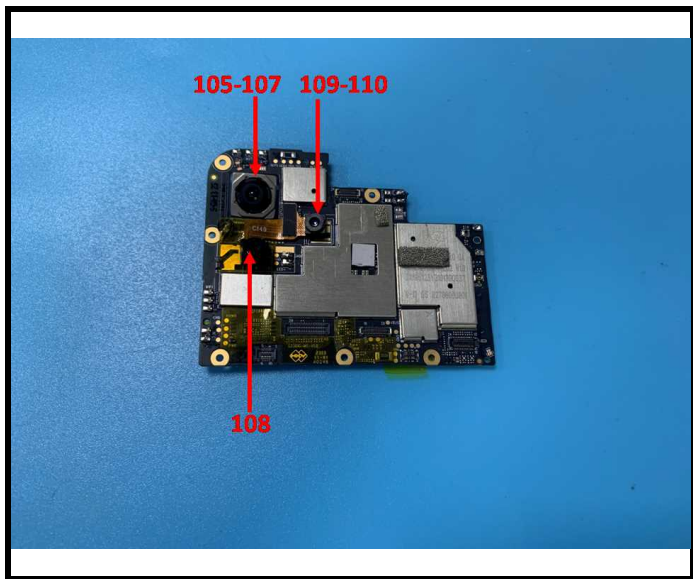


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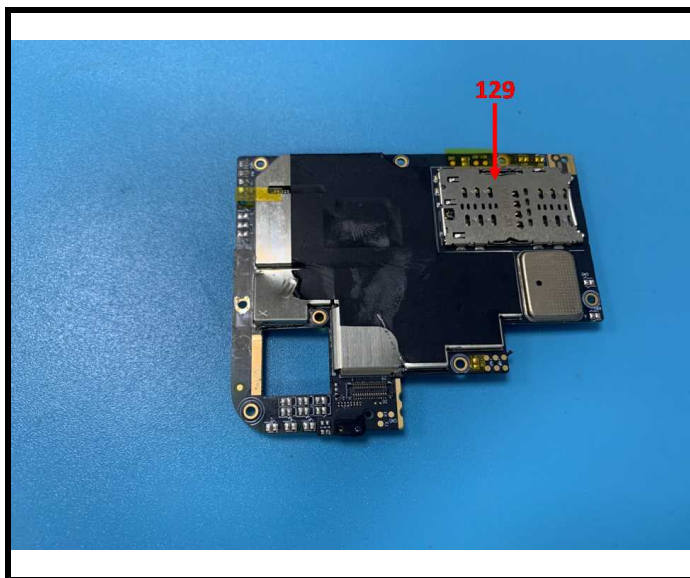
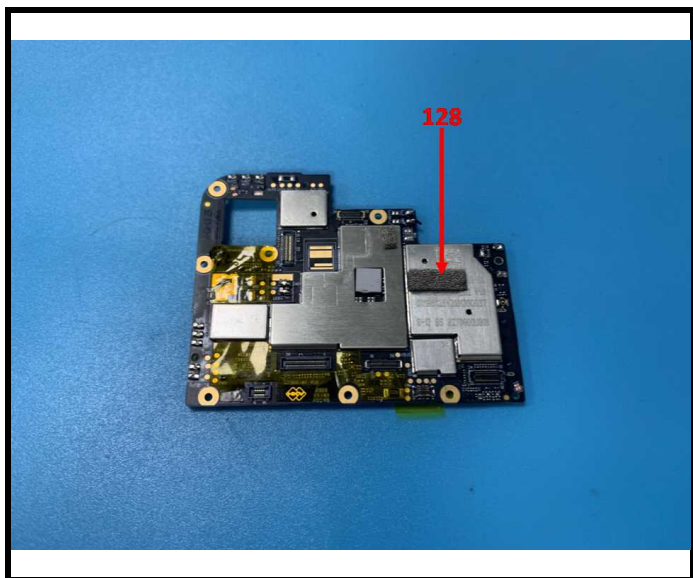
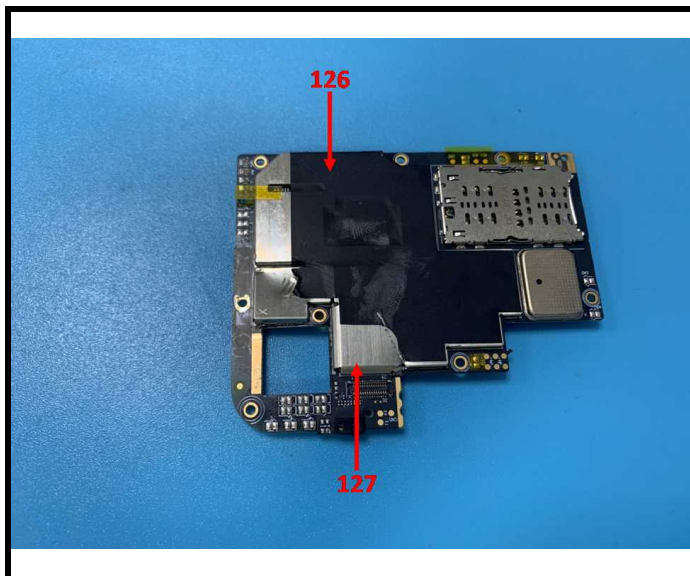
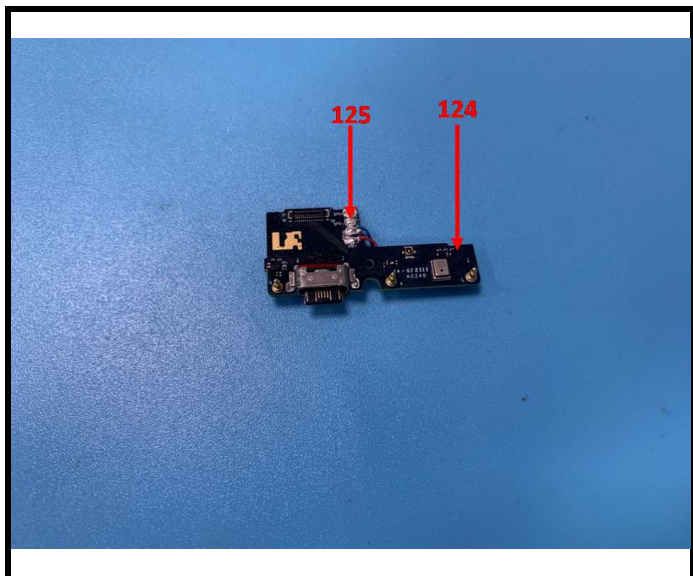


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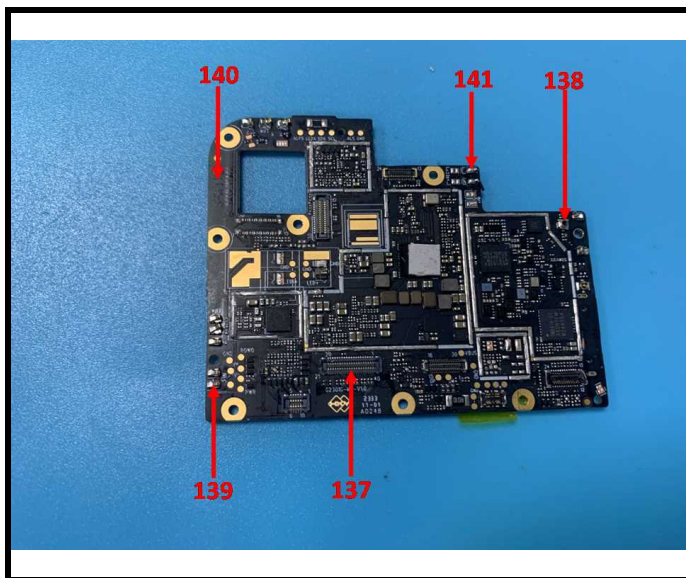
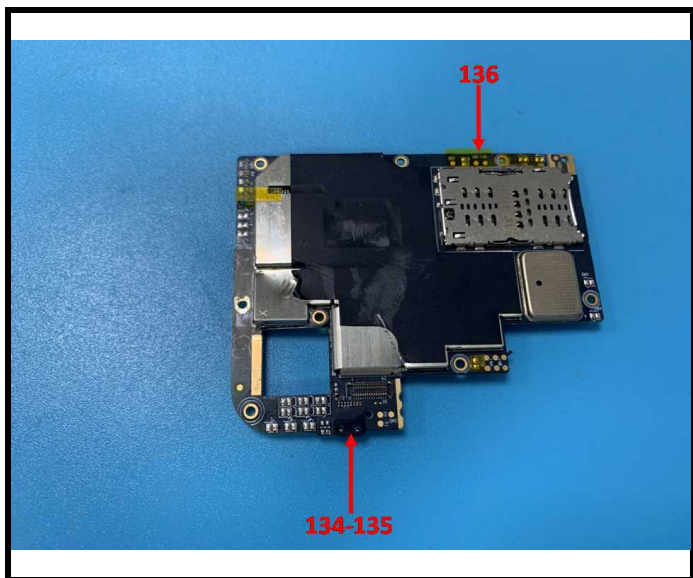
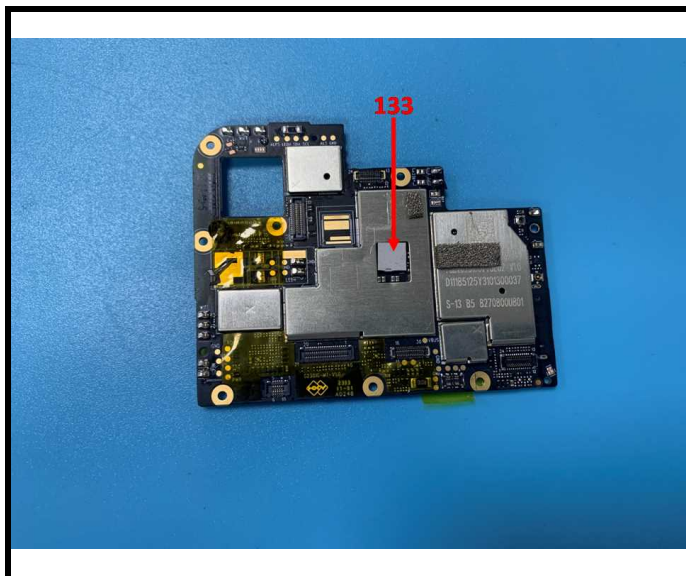
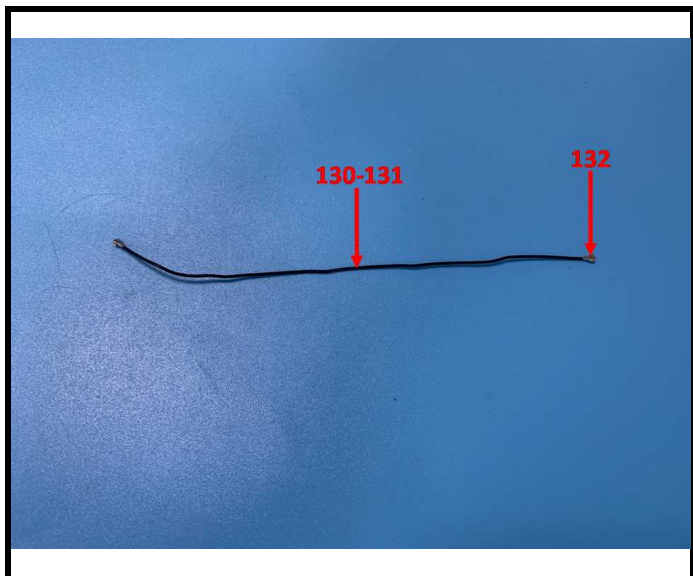


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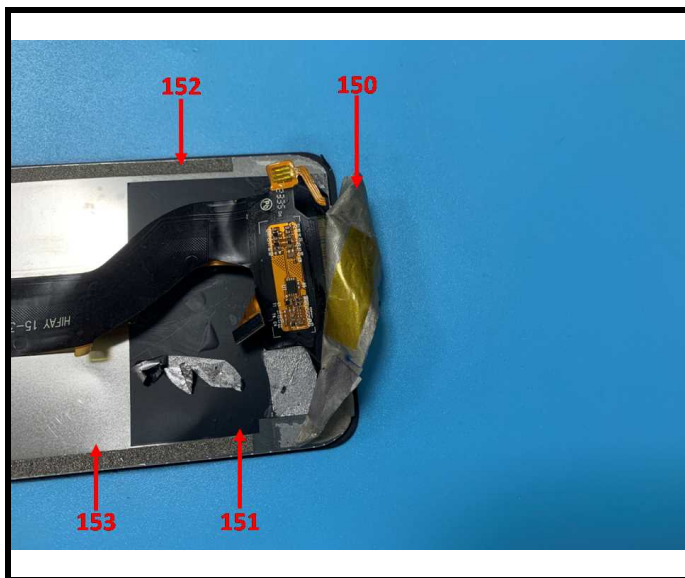
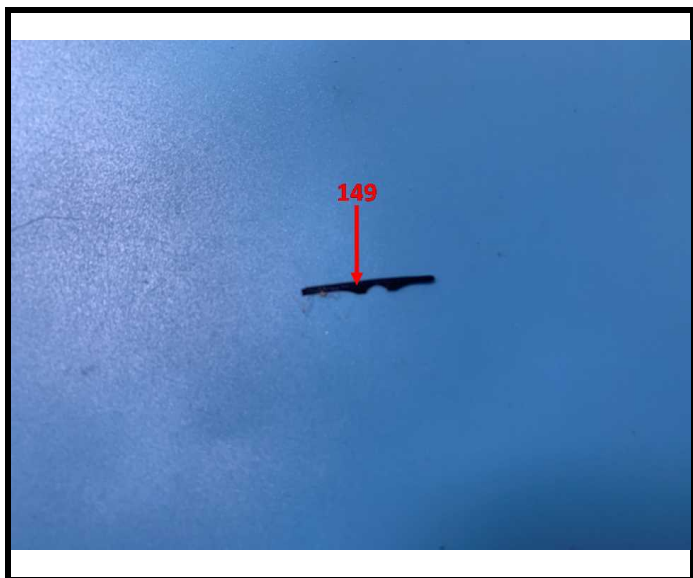
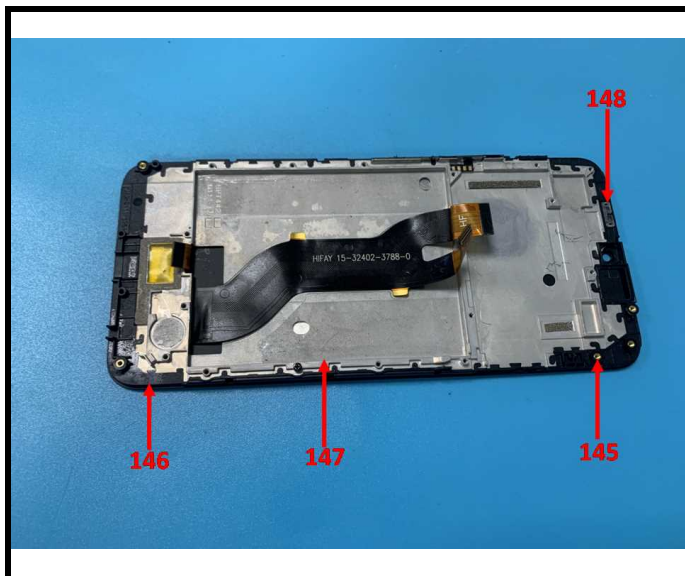


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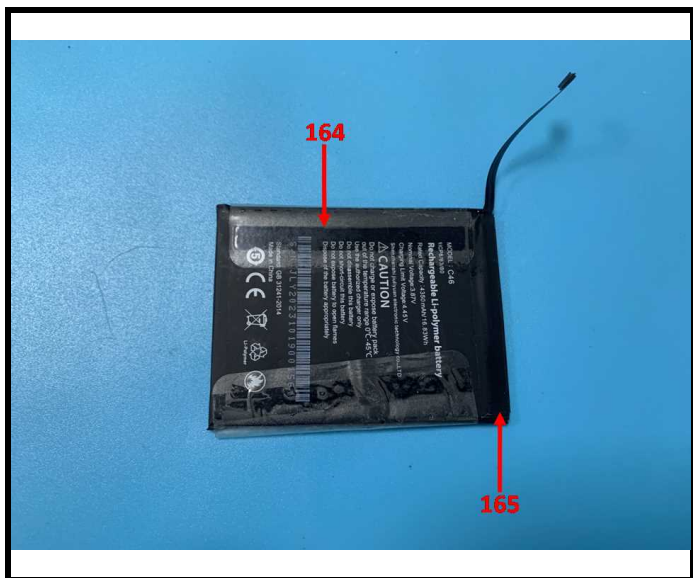
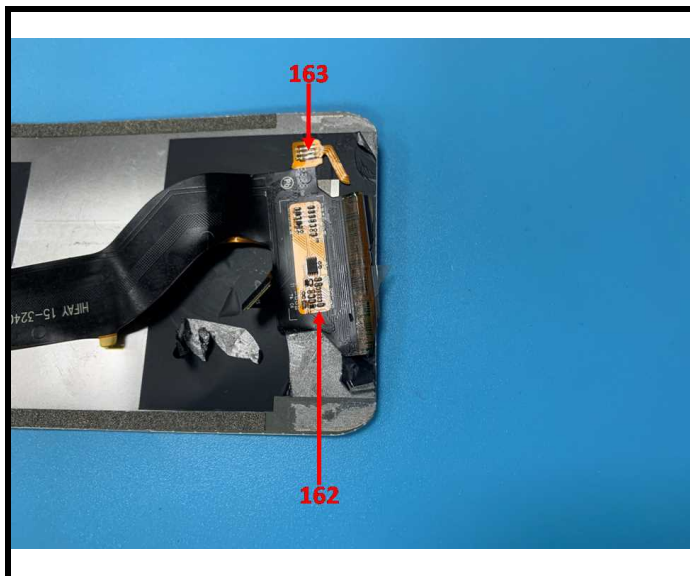


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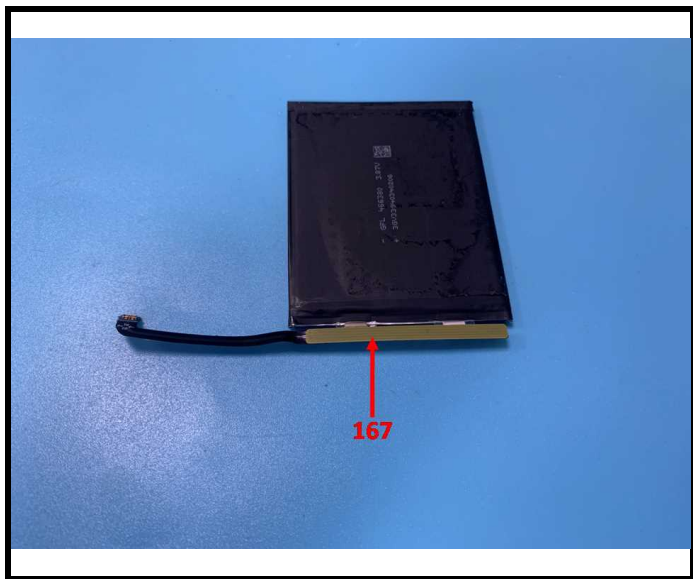


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Statement:

- 1.This report cannot be reproduced except in full, without prior written approval of the Company.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
- 3.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 5.The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacturer, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 6.The test samples were in good condition before testing.

*** End of Report ***