

TEST REPORT

Applicant: Shenzhen Huafurui Technology Co., Ltd
Address: Unit 1401 &1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen,P.R. China

The following sample(s) was/were submitted and identified on behalf of the client as:

Product name: Smartphone
Model: KINGKONG POWER
Trade mark: CUBOT
Manufacturer: Shenzhen Huafurui Technology Co., Ltd
Address: Unit 1401 &1402, 14/F, Jinqi Zhigu Mansion (No. 4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen,P.R. China

Sample Received Date: Mar. 01, 2023
Testing Period: Mar. 01, 2023~ May. 08, 2023

Test Requirement:

As specified by client, to screen the 233 substances of very high concern(SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

Summary:

According to the specified scope and evaluation screening, the concentrations of 1,3-propanesultone is >0.1%(w/w) in certain component(s), the concentrations of each other SVHCs is ≤ 0.1% (w/w) in the component(s) of submitted sample(s).

Test Method: Please refer to the following page(s);

Test Result(s): Please refer to the following page(s);

Compiled by: Pure

Reviewed by: Y. Blom

Approved by: May

Date: 2023-05-09

Sample Description:

No.	Description	No.	Description
1	Black flexible plastic	2	Black hard plastic
3A	Golden metal screw	4	Transparent plastic guide light block (small)
5	Black foam block with double-sided tape	6	Transparent plastic guide light block (large)
7	White colloid	8	Black cloth mesh with double-sided tape (large)
9	Black foam glue	10	Transparent glass sheet with black edge
11	Silvery/Grey metal sheet	12	Transparent glass sheet with black edge
13	Black foam glue of transparent glass sheet with black edge	14	Black metal mesh
15	Black cloth mesh with double-sided tape (small)	16	Silvery grey metal plate
17	Transparent double-sided adhesive of silvery grey metal plate	18	Silvery grey sponge of silvery grey metal plate
19	Dark grey metal sheet	20	Dark grey metal screw of dark grey metal sheet
21	Dark grey metal of keystroke	22	Black rubber strip of keystroke
23	Black rubber plug	24	Grey metal bar of card tray
25	Black plastic frame of card tray	26	Silvery metal frame of card tray
27	Black metal screw	28	Silvery metal screw
29	Black/grey plastic frame	30	Black plastic frame
31	Black coating of black glass screen	32	Glass substrate of black glass screen
33	Black rubber ring of black glass screen	34	Silvery/reflective plastic sheet
35	Reflective plastic sheet	36	Transparent reflective plastic sheet
37	Frosted white plastic	38	Transparent plastic plate
39	Silvery metal plate	40	Grey plastic frame of silvery metal plate
41	Silvery grey double-sided tape of silvery metal plate	42	Silvery grey tape
43	Yellow/ Transparent tape	44	Black tape
45	Black/white tape	46	Black plastic strip
47	Black FPC	48	Silvery metal sheet of black FPC
49	Black plastic of metal interface	50	Metal plug pin of metal interface
51	Black PCBA (mixed test)	52	Black plastic of black/grey interface

No.	Description	No.	Description
53	Grey plastic of black/grey interface	54	Metal plug pin of black/grey interface
55	Silvery metal shell of Type-C interface	56	Black plastic of Type-C interface
57	Metal plug pin of Type-C interface	58	Silvery metal of metal interface
59	Black plastic of metal interface	60	Metal plug pin of metal interface
61	Silvery metal contact pin	62	Golden metal interface
63	Silvery metal frame	64	Black PCBA (mixed test)
65	Silvery metal interface	66	Silvery metal shell of card slot
67	Grey plastic of card slot	68	Metal contact pin of card slot
69	Silvery metal rod of card slot	70	Black plastic of black/beige interface
71	Beige plastic of black/beige interface	72	Metal plug pin of black/beige interface
73	Magnet core of inductance	74	Coil of inductance
75	Black plastic of black interface	76	Metal plug pin of black interface
77	Black plastic frame	78	Silvery grey tape of black plastic frame
79	Silvery metal cover	80	White QR code label of silvery metal cover
81	White thermal with double-sided tape	82	White aluminum substrate of LED light
83	Silvery metal cover of LED light	84	Silvery metal screw of LED light
85	Black colloid of LED light	86	Red wire jacket of LED light
87	Black wire jacket of LED light	88	Core of wire of LED light
89	Golden metal contact pin of connecting cable	90	Black wire jacket of connecting cable
91	Silvery metal wire of connecting cable	92	Transparent wire jacket of connecting cable
93	Core of wire of connecting cable	94	Silvery metal frame of camera
95	Silvery metal shell of camera	96	Magnet of camera
97	Black plastic sleeve of camera	98	Glass lens of camera
99	Cupreous metal coil of camera	100	Black plastic holder of camera
101	Black FPC of camera	102	Silvery metal sheet of camera
103	Cupreous metal foil of camera	104	Black tape of camera
105	Black foam with double-sided tape of camera	106	Silvery metal frame of receiver
107	White paper with plastic film of receiver	108	Cupreous metal coil of receiver
109	Magnet of receiver	110	Silvery metal seat of receiver
111	Black plastic frame of receiver	112	Metal contact pin of receiver
113	Tin solder of receiver	114	Red wire jacket of receiver
115	Black wire jacket of receiver	116	Core of wire of receiver

No.	Description	No.	Description
117	Silvery metal shell of vibrating motor	118	Black foam with double-sided tape of vibrating motor
119	White plastic of vibrating motor	120	Cupreous metal coil of vibrating motor
121	Silvery metal block of vibrating motor	122	Green PCBA (mixed test) of vibrating motor
123	Golden metal ring of vibrating motor	124	Magnet of vibrating motor
125	Silvery metal seat of vibrating motor	126	Yellow FPC of vibrating motor
127	Blue wire jacket of vibrating motor	128	Red wire jacket of vibrating motor
129	Core of wire of vibrating motor	130	Black FPC (soft)
131	Transparent plastic sheet of black FPC (soft)	132	Black FPC (hard)
133	Silvery metal sheet of black FPC (hard)	134	Black metal block of black FPC (hard)
135	Black rubber sheet of black FPC (hard)	136	Yellow FPC
137	Black tape of yellow FPC	138	Transparent plastic sheet with foam glue of yellow FPC
139	Black plastic frame of yellow FPC	140	Black rubber sleeve (small) of yellow FPC
141	Black metal screw of yellow FPC	142	Black plastic sheet with double-sided tape of yellow FPC
143	Black rubber sleeve (large) of yellow FPC	144	Silvery metal shrapnel of yellow FPC
145	Black plastic shell	146	Black plastic with double-sided tape
147	Black metal mesh	148	White paper with plastic film
149	Cupreous metal coil	150	Magnet
151	Silvery metal seat	152	Black plastic frame
153	Tin solder	154	Red wire jacket
155	Black wire jacket	156	Core of wire
157	Black foam strips with double-sided tape	158	Black rubber strip
159	Beige double-sided tape of black rubber strip	160	Transparent plastic jacket
161	Black tape	162	Green paper with double-sided tape
163	Transparent double-sided adhesive	164	Black PCBA (mixed test)
165	Silvery metal sheet	166	Blue transparent colloid
167	Black FPC	168	Metal interface - golden metal of black FPC

No.	Description	No.	Description
169	Metal interface - black plastic of black FPC	170	White plastic shell with silk lettering
171	White plastic cover	172	Silvery metal rod
173	Green PCBA (mixed test)	174	Jujube red plastic shell of F1 fuse
175	Black plastic frame of F1 fuse	176	Metal wire of F1 fuse
177	Metal pin of F1 fuse	178	Transparent label with lettering of transformer
179	Yellow tape of transformer	180	Black plastic frame of transformer
181	Magnet core of transformer	182	Transparent casing tube of transformer
183	Black casing tube of transformer	184	Yellow wire jacket of transformer
185	Core of wire of transformer	186	Metal pin of transformer
187	Tin solder of transformer	188	Aluminum shell of C10 electrolytic capacitor
189	Anode foil of C10 electrolytic capacitor	190	Cathode foil of C10 electrolytic capacitor
191	Electrolytic paper of C10 electrolytic capacitor	192	Rubber blanket of C10 electrolytic capacitor
193	Electrode pin of C10 electrolytic capacitor	194	Silvery metal contact pin
195	Yellow plastic shell of CX1X capacitor	196	Yellow pouring sealant of CX1X capacitor
197	Inner body of CX1X capacitor	198	Black body of NTC1 thermistor
199	Metal pin of NTC1 thermistor	200	Magnet core of L1 inductor
201	Coil of L1 inductor	202	Black casing tube of L1 inductor
203	Brown plastic jacket of C2 electrolytic capacitor	204	Aluminum shell of C2 electrolytic capacitor
205	Anode foil of C2 electrolytic capacitor	206	Cathode foil of C2 electrolytic capacitor
207	Electrolytic paper of C2 electrolytic capacitor	208	Rubber blanket of C2 electrolytic capacitor
209	Electrode pin of C2 electrolytic capacitor	210	Blue body of CY1 capacitor
211	Silvery metal sheet	212	Transparent double-sided adhesive
213	Black plastic frame	214	Grey colloid
215	Dark grey colloid	216	Green PCBA (mixed test)
217	Silvery metal shell of Type-C interface	218	Black plastic of Type-C interface
219	Metal plug pin of Type-C interface	220	White encapsulation of USB interface
221	Translucent plastic of USB interface	222	Silvery metal shell of USB interface
223	Beige plastic of USB interface	224	Black plastic of USB interface

No.	Description	No.	Description
225	Metal insert of USB interface	226	Metal plug pin of USB interface
227	Blue PCBA (mixed test) of USB interface	228	White exterior wire jacket
229	Red inner wire jacket	230	Black inner wire jacket
231	Black inner wire jacket-core of wire	232	Yellow inner wire jacket
233	White inner wire jacket	234	Green inner wire jacket
235	Green inner wire jacket-core of wire	236	White plastic shell with silk lettering of speaker
237	White soft plastic sleeve of speaker	238	Black cloth mesh with double-sided tape of speaker
239	Navy blue cloth mesh with double-sided tape of speaker	240	White foam glue of speaker
241	Silvery metal cover of speaker	242	Transparent plastic film of speaker
243	Cupreous metal coil of speaker	244	Magnet of speaker
245	Silvery metal seat of speaker	246	Black/white cloth mesh with double-sided tape of speaker
247	White colloid of speaker	248	Green PCBA (mixed test) of speaker
249	White plastic shell of microphone	250	Blue PCBA (mixed test) of microphone
251	Microphone body of microphone	252	Silvery metal shrapnel of microphone
253	White encapsulation of Type-C interface	254	Inner film - white soft plastic of Type-C interface
255	Silvery metal shell of Type-C interface	256	Black plastic of Type-C interface
257	Metal contact pin of Type-C interface	258	Metal plug pin of Type-C interface
259	Blue PCBA (mixed test) of Type-C interface	260	White wire jacket of wire rod (thick)
261	Cupreous wire of wire rod (thick)	262	Red metal wire of wire rod (thick)
263	Cyan metal wire of wire rod (thick)	264	Blue metal wire of wire rod (thick)
265	White cotton of wire rod (thick)	266	White wire jacket of wire rod (thin)
267	White soft plastic sleeve	268	White encapsulation
269	White soft plastic line card	270	Cell(mixed test)

Group Description:

Group	No.
T1	1+86+87+90+92+114+115+127+128+154+155+182+183+184+202
T2	2+4+6+10+12+18+25+29+30+32+34+35+36+37+38+40+46+47+49++52+53+56+59+67
T3	5+8+9+13+15+17+41+42+43+44+45+78+81+104+105
T4	7+85+166+214+215+247
T5	11+14+16+19+20+21+24+26+27+28+39+48+55+58+62+63+65+66+++69+73+74+79+83
T6	22+23+33+135+140+143+158+192+208
T7	31
T8	50+54+57+60+61+68+72+76+112+219+226+257+258
T9	51+64+82+122+164+173+216+227+248+250+259
T10	70+71+75+77+80+97+98+100+101+107+111+119+126+130+131+132+136+139+145+148+152+160+167+169
T11	84+88+89+91+93+94+95+96+99+102+103+106+108+109+110+113+116+117+120+121+123+124+125+129
T12	118+137+138+142+146+157+159+161+162+163+179+212+238+239+240+246
T13	133+134+141+144+147+149+150+151+153+156+165+168+172+176+177+181+185+186+187+188+189+190+193+194
T14	170+171+174+175+178+180+191+195+196+197+198+203+207+210+213+218+221+223+224+236+242+249+251+256+265
T15	199+200+201+204+205+206+209+211+217+222+225+231+235+241+243+244+245+252+255+261+262+263+264
T16	220+228+229+230+232+233+234+237+253+254+260+266+267+268+269
T17	270
T18	3A

Test Result(s):

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T1	T2	T3	T4	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T5	T6	T7	T8	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T9	T10	T11	T12	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T13	T14	T15	T16	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T17				
XIV	164	1,3-propanesultone	1120-71-4	1.096				0.050
/	/	Other tested SVHC in candidate list	/	N.D.				/

Batch	No.	Test item(s)	CAS No.	Result(s),%				RL (%)
				T18				
/	/	All tested SVHC in candidate list	/	N.D.				/

All tested SVHC in candidate list:

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
I	1	Anthracene	120-12-7	204-371-1	0.050
I	2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	0.050
I	3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	0.050
I	4	Cobalt dichloride*	7646-79-9	231-589-4	0.010
I	5	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.010
I	6	Diarsenic trioxide*	1327-53-3	215-481-4	0.010
I	7	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	0.010
I	8	Musk xylene	81-15-2	201-329-4	0.050
I	9	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.050
I	10	Hexabromocyclododecane (HBCDD)	25637-99-4/ 3194-55-6	247-148-4/ 221-695-9	0.050
I	11	ShortChain ChlorinatedParaffins(SCCPs)	85535-84-8	287-476-5	0.050
I	12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	0.050
I	13	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.010
I	14	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	0.050
I	15	Triethyl arsenate*	15606-95-8	427-700-2	0.010
II	16	^① Anthracene oil	90640-80-5	292-602-7	0.050
II	17	^① Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.050
II	18	^① Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.050
II	19	^① Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.050
II	20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.050
II	21	^① Coal tar pitch, high temperature	65996-93-2	266-028-2	0.050
II	22	Acrylamide	79-06-1	201-173-7	0.050
II	23	2,4-Dinitrotoluene	121-14-2	204-450-0	0.050
II	24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	0.050
II	25	^② Lead chromate	7758-97-6	231-846-0	0.010
II	26	^② Lead chromate molybdate sulphateRed (C.I. Pigment Red 104)	12656-85-8	235-759-9	0.010
II	27	^② Lead sulfochromate yellow(C.I. Pigment Yellow 34)	1344-37-2	215-693-7	0.010
II	28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	0.050
III	29	Trichloroethylene	79-01-6	201-167-4	0.050
III	30	^③ Boric acid*	10043-35-3/ 11113-50-1	233-139-2/ 234-343-4	0.010

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
III	31	^③ Disodium tetraborate, anhydrous*	1330-43-4/ 12179-04-3/ 1303-96-4	215-540-4	0.010
III	32	^③ Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.010
III	33	Sodium chromate*	7775-11-3	231-889-5	0.010
III	34	Potassium chromate*	7789-00-6	232-140-5	0.010
III	35	Ammonium dichromate*	7789-09-5	232-143-1	0.010
III	36	Potassium dichromate*	7778-50-9	231-906-6	0.010
IV	37	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.010
IV	38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.010
IV	39	Cobalt(II) carbonate*	513-79-1	208-169-4	0.010
IV	40	Cobalt(II) diacetate*	71-48-7	200-755-8	0.010
IV	41	2-Methoxyethanol	109-86-4	203-713-7	0.050
IV	42	2-Ethoxyethanol	110-80-5	203-804-1	0.050
IV	43	Chromium trioxide*	1333-82-0	215-607-8	0.010
IV	44	Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5/ 13530-68-2	231-801-5/ 236-881-5	0.010
V	45	2-ethoxyethyl acetate	111-15-9	203-839-2	0.050
V	46	Strontium chromate*	7789-6-2	232-142-6	0.010
V	47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.050
V	48	Hydrazine	7803-57-8/ 302-01-2	206-114-9	0.050
V	49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.050
V	50	1,2,3-trichloropropane	96-18-4	202-486-1	0.050
V	51	^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	0.050
VI	52	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.010
VI	53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	0.010
VI	54	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.010
VI	55	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	/	/	0.010
VI	56	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	/	/	0.010

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VI	57	^① Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.050
VI	58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.050
VI	59	2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	0.050
VI	60	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	0.050
VI	61	1,2-Dichloroethane	107-06-2	203-458-1	0.050
VI	62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.050
VI	63	Arsenic acid*	7778-39-4	231-901-9	0.010
VI	64	Calcium arsenate*	7778-44-1	231-904-5	0.010
VI	65	Trilead diarsenate*	3687-31-8	222-979-5	0.010
VI	66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.050
VI	67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.050
VI	68	Phenolphthalein	77-09-8	201-004-7	0.050
VI	69	Lead diazide*	13424-46-9	236-542-1	0.010
VI	70	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	0.010
VI	71	Lead dipicrate*	6477-64-1	229-335-2	0.010
VII	72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.050
VII	73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.050
VII	74	^③ Diboron trioxide*	1303-86-2	215-125-8	0.010
VII	75	Formamide	75-12-7	200-842-0	0.050
VII	76	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	0.010
VII	77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.050
VII	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	0.050
VII	79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.050
VII	80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.050
VII	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	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VII	82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]methylene]cycl ohexa-2,5- dien-1-ylidene] dimethylammonium chloride(C.I. Basic Blue 26)	2580-56-5	219-943-6	0.050
VII	83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C .I. Solvent Blue 4)	6786-83-0	229-851-8	0.050
VII	84	4,4'-bis(dimethylamino)-4''-(methylamino)t rityl alcohol	561-41-1	209-218-2	0.050
VIII	85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.050
VIII	86	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	/	/	0.050
VIII	87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.050
VIII	88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	/	/	0.050
VIII	89	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.050
VIII	90	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.050
VIII	91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane- 1,2- dicarboxylic anhydride, trans- cyclohexane-1,2-dicarboxylic anhydride	85-42-7/ 13149-00-3/ 14166-21-3	201-604-9/ 236-086-3/ 238-009-9	0.050
VIII	92	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	0.050
VIII	93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.050
VIII	94	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VIII	95	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.050
VIII	96	N-pentyl-isopentylphthalate	776297-69-9	/	0.050
VIII	97	Methoxyacetic acid	625-45-6	210-894-6	0.050
VIII	98	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.050
VIII	99	1,2-Diethoxyethane	629-14-1	211-076-1	0.050
VIII	100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.050
VIII	101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	0.050
VIII	102	N-methylacetamide	79-16-3	201-182-6	0.050
VIII	103	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.010
VIII	104	Biphenyl-4-ylamine	92-67-1	202-177-1	0.050
VIII	105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.050
VIII	106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.010
VIII	107	Lead dinitrate*	10099-74-8	233-245-9	0.010
VIII	108	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.010
VIII	109	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	0.010
VIII	110	Lead titanium trioxide*	12060-00-3	235-038-9	0.010
VIII	111	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.050
VIII	112	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.010
VIII	113	Dimethyl sulphate	77-78-1	201-058-1	0.050
VIII	114	Furan	110-00-9	203-727-3	0.050
VIII	115	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.010
VIII	116	Tetraethyllead*	78-00-2	201-075-4	0.010
VIII	117	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	0.010
VIII	118	Diethyl sulphate	64-67-5	200-589-6	0.050
VIII	119	Lead cyanamidate*	20837-86-9	244-073-9	0.010
VIII	120	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	0.010
VIII	121	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.010
VIII	122	o-Toluidine	95-53-4	202-429-0	0.050
VIII	123	o-aminoazotoluene	97-56-3	202-591-2	0.050
VIII	124	4-aminoazobenzene	60-09-3	200-453-6	0.050
VIII	125	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.050
VIII	126	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	0.050
VIII	127	Lead titanium zirconium oxide*	12626-81-2	235-727-4	0.010
VIII	128	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
VIII	129	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.050
VIII	130	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	0.010
VIII	131	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.010
VIII	132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	0.010
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.010
VIII	134	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.050
VIII	135	Lead oxide sulfate*	12036-76-9	234-853-7	0.010
VIII	136	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.010
VIII	137	Silicic acid, lead salt*	11120-22-2	234-363-3	0.010
VIII	138	N,N-dimethylformamide	68-12-2	200-679-5	0.050
IX	139	Cadmium	7440-43-9	231-152-8	0.010
IX	140	Cadmium oxide*	1306-19-0	215-146-2	0.010
IX	141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.050
IX	142	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]	/	/	0.050
IX	143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.050
IX	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.050
X	145	^① Trixylyl phosphate	25155-23-1	246-677-8	0.050
X	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	0.050
X	147	Dihexyl phthalate	84-75-3	201-559-5	0.050
X	148	Cadmium sulphide*	1306-23-6	215-147-8	0.010
X	149	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	0.050
X	150	Lead di(acetate)*	301-04-2	206-104-4	0.010
X	151	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.050
XI	153	Cadmium chloride	10108-64-2	233-296-7	0.010
XI	154	^③ Sodium peroxometaborate perboric acid, sodium salt*	/	239-172-9/ 234-390-0	0.010
XI	155	^③ Sodium peroxometaborate*	7632-04-4	231-556-4	0.010
XII	156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.050
XII	157	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)	3846-71-7	223-346-6	0.050
XII	158	Cadmium fluoride*	7790-79-6	232-222-0	0.010
XII	159	Cadmium sulphate*	10124-36-4/ 31119-53-6	233-331-6	0.010
XII	160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1	239-622-4	0.050
XII	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-ethylhexyloxy)-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	/	/	0.050
XIII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with \geq 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5/ 68648-93-1	271-094-0/ 272-013-1	0.050
XIII	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]	/	/	0.050
XIV	164	1,3-propanesultone	1120-71-4	214-317-9	0.050
XIV	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XIV	166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.050
XIV	167	Nitrobenzene	98-95-3	202-716-0	0.050
XIV	168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1/ 21049-39-8/ 4149-60-4	206-801-3	0.050
XV	169	Benzo[def]chrysene	50-32-8	200-028-5	0.050
XVI	170	Bisphenol(BPA)	80-05-7	201-245-8	0.050
XVI	171	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)	/	/	0.050
XVI	172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7/ 335-76-2/ 3830-45-3	206-400-3/ 221-470-5	0.050
XVI	173	4-tert-amylphenol	80-46-6	201-280-9	0.050
XVII	174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	/	/	0.050
XVIII	175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9/ 135821-74-8/ 135821-03-3	/	0.050
XVIII	176	Benzo[a]anthracene	56-55-3	200-280-6	0.050
XVIII	177	Cadmium nitrate*	10325-94-7	233-710-6	0.010
XVIII	178	Cadmium carbonate*	513-78-0	208-168-9	0.010
XVIII	179	Cadmium hydroxide*	21041-95-2	244-168-5	0.010
XVIII	180	Chrysene	218-01-9	205-923-4	0.050
XVIII	181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with ≥0.1% w/w 4-heptylphenol, branched and linear]	/	/	0.050
XIX	182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride, TMA)	552-30-7	209-008-0	0.050
XIX	183	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XIX	184	Benzo[ghi]perylene	191-24-2	205-883-8	0.050
XIX	185	Decamethylcyclotrasiloxane (D5)	541-02-6	208-764-9	0.050
XIX	186	[®] Disodium octaborate*	12008-41-2	234-541-0	0.010
XIX	187	Dodecamethylcyclotrasiloxane (D6)	540-97-6	208-762-8	0.050
XIX	188	Ethylenediamine (EDA)	107-15-3	203-468-6	0.050
XIX	189	Lead	7439-92-1	231-100-4	0.010
XIX	190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.050
XIX	191	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.050
XX	192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	0.050
XX	193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.050
XX	194	Benzo[k]fluoranthene	207-08-9	205-916-6	0.050
XX	195	Fluoranthene	206-44-0	205-912-4	0.050
XX	196	Phenanthrene	85-01-8	201-581-5	0.050
XX	197	Pyrene	129-00-0	204-927-3	0.050
XXI	198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	/	/	0.050
XXI	199	4-tert-butylphenol	98-54-4	202-679-0	0.050
XXI	200	2-methoxyethyl acetate	110-49-6	203-772-9	0.050
XXI	201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid, its salts and its acyl halides(covering any of their individual isomers and combinations thereof)	/	/	0.050
XXII	202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.050
XXII	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.050
XXII	204	Diisohexyl phthalate	71850-09-4	276-090-2	0.050
XXII	205	Perfluorobutane sulfonic acid (PFBS) and its salts	/	/	0.050
XXIII	206	1-vinylimidazole	1072-63-5	214-012-0	0.050
XXIII	207	2-methylimidazole	693-98-1	211-765-7	0.050
XXIII	208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.050
XXIII	209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.050
XXIV	210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XXIV	211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	/	/	0.050
XXV	212	1,4-dioxane	123-91-1	204-661-8	0.050
XXV	213	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	0.050
XXV	214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	/	/	0.050
XXV	215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	0.050
XXV	216	Glutaral	111-30-8	203-856-5	0.050
XXV	217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	/	/	0.050
XXV	218	[®] Orthoboric acid, sodium salt (Group) *	/	/	0.010
XXV	219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)	/	/	0.050
XXVI	220	(±)-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)	/	/	0.050
XXVI	221	6,6'-di-tert-butyl-2,2'-methylene di-p-cresol	119-47-1	204-327-1	0.050
XXVI	222	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	0.050
XXVI	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.050
XXVII	224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.050

Batch	No.	Substance Name(s)	CAS No.	EC No.	RL (%)
XXVIII	225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	0.050
XXVIII	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	0.050
XXVIII	227	4,4'-sulphonyldiphenol	80-09-1	201-250-5	0.050
XXVIII	228	Ⓢ Barium diboron tetraoxide*	13701-59-2	237-222-4	0.010
XXVIII	229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	/	/	0.050
XXVIII	230	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8	0.050
XXVIII	231	Melamine	108-78-1	203-615-4	0.050
XXVIII	232	Perfluoroheptanoic acid and its salts	/	/	0.050
XXVIII	233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropyl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	/	473-390-7	0.050

Test Method:

With reference to NTEK in-house method, Analysis is performed by Liquid Chromatography Mass Spectrometry/ Mass Spectrometry (LC-MS/MS), Gas Chromatography and Mass Spectrometry (GC-MS), headspace GC-MS, Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), UV-Vis spectrophotometer.

Note:

1. “%” =percent by weight, 0.1% = 1000 mg/kg =1000 ppm
2. RL = Report Limit, N.D. = Not Detected (<RL), /= Not Regulated or Not Applicable
3. *: Concentration value of the substance by the conversion from the test results of certain elements.
Concentration value of Bis(tributyltin)oxide by the conversion from the test results of Tributyl Tins.
4. **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
5. ①: In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.
6. ②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of therepresentative compounds are calculated based on the result of specified heavy metal elements.
7. ③: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide; Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate; Disodium octaborate; Orthoboric acid, sodium salt (Group) ; Barium diboron tetraoxide is calculated by the conversion from the test results of certain elements and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation.
8. REACH regulations related to obligations
 - (a) The chemical analysis of SVHC is performed by means of currently available analytical Techniques against the list published by ECHA, and shall refer to <http://echa.europa.eu/web/guest/candidate-list-table>. This list is under evaluation by ECHA and may subject to change in the future;
 - (b) Concerning article(s):

Notification: In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (i) the substance is present in those articles in quantities totaling over one tonne per producer or importer per year; and (ii) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w);

Inform: Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with

sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance;

(c) Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

(d) Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006.

9. Part No.3A Resubmitted Date: Apr. 28, 2023.

Sample photo(s):



Fig.1

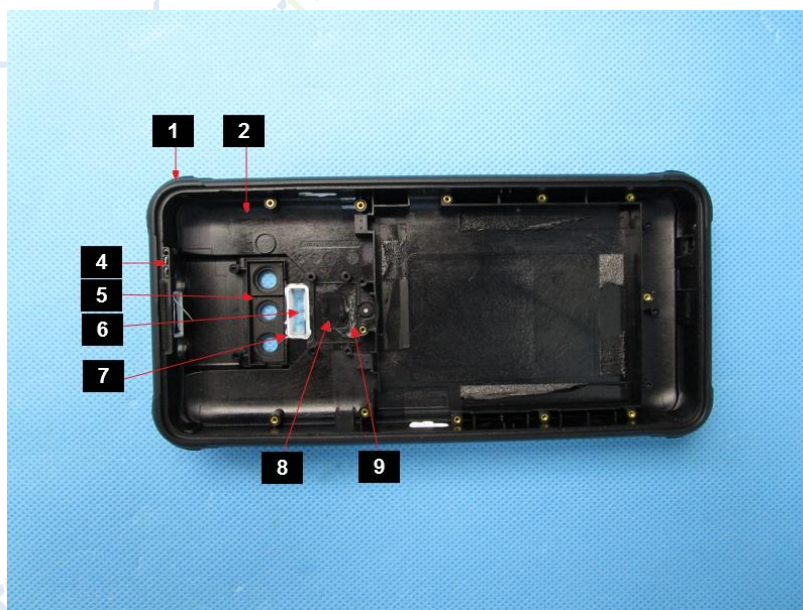


Fig.2



Fig.3



Fig.4

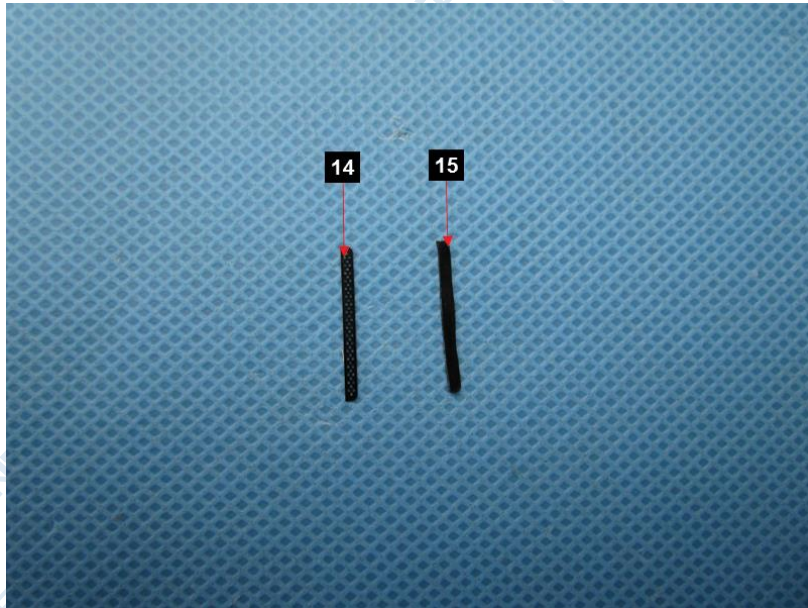


Fig.5

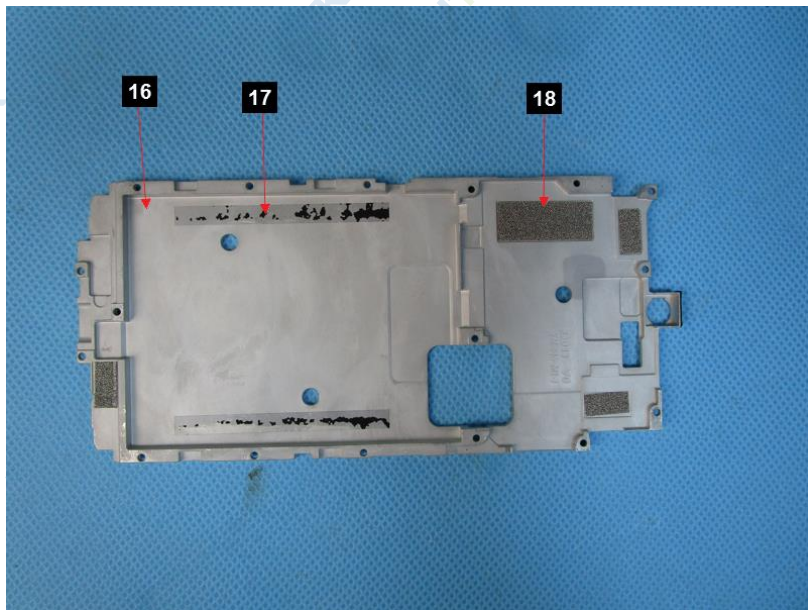


Fig.6

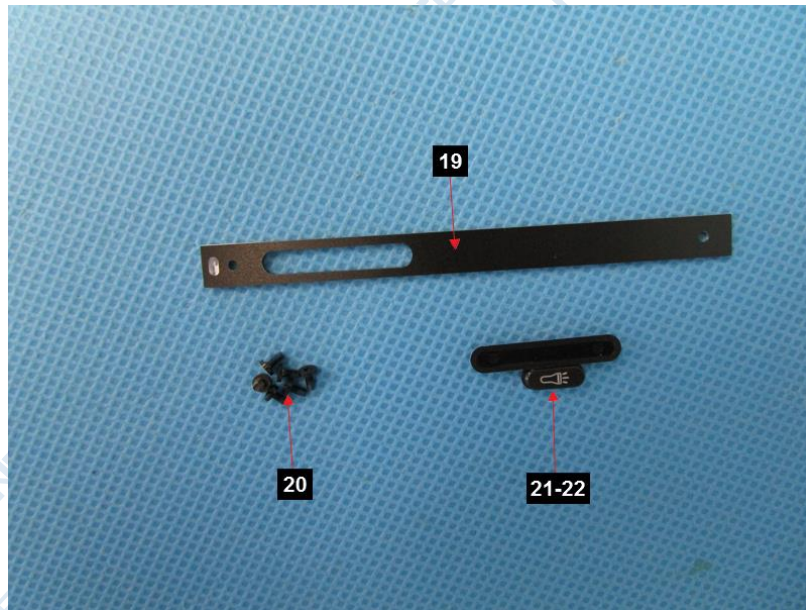


Fig.7

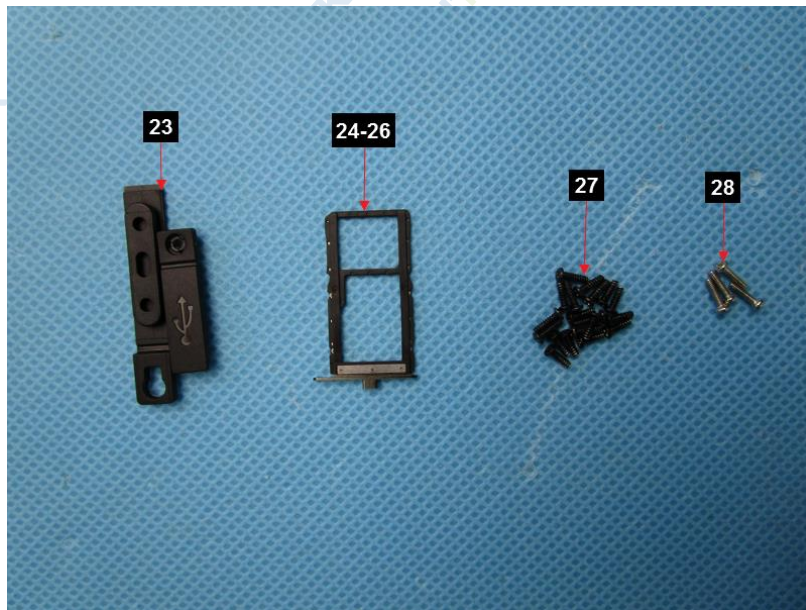


Fig.8



Fig.9

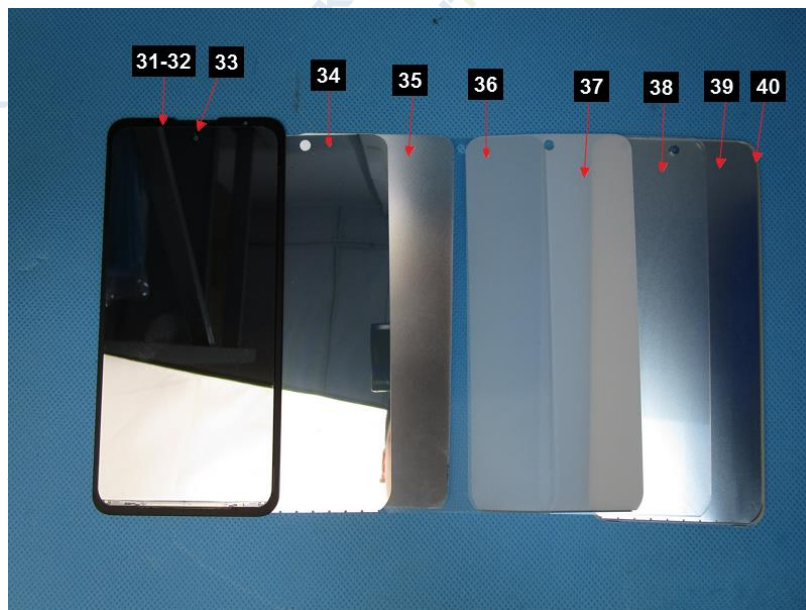


Fig.10



Fig.11

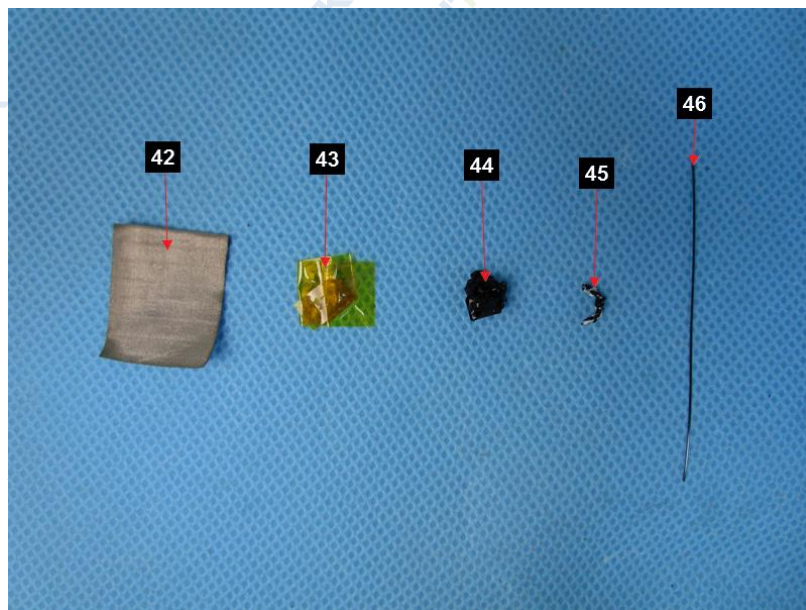


Fig.12



Fig.13

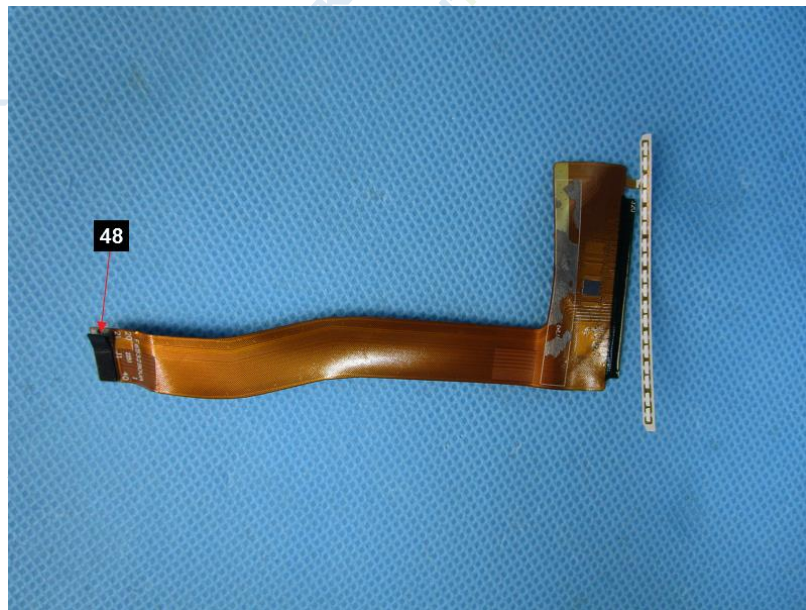


Fig.14



Fig.15

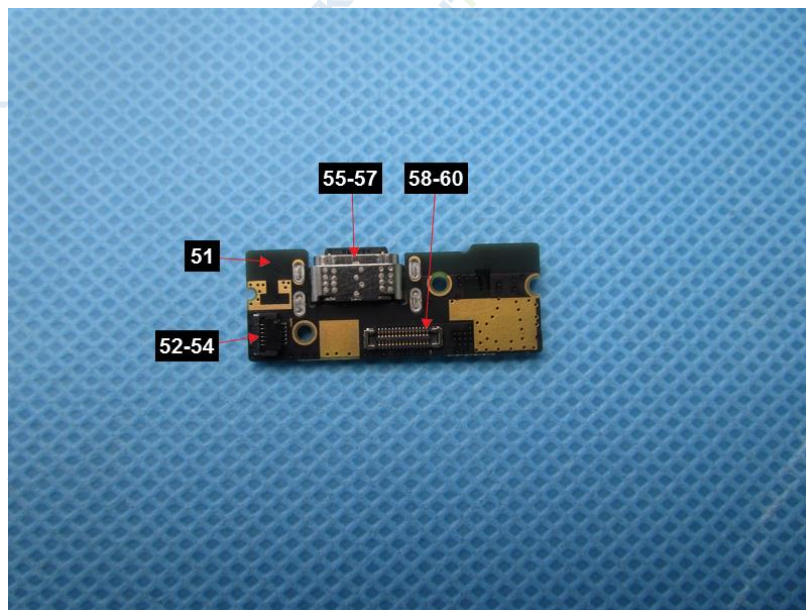


Fig.16

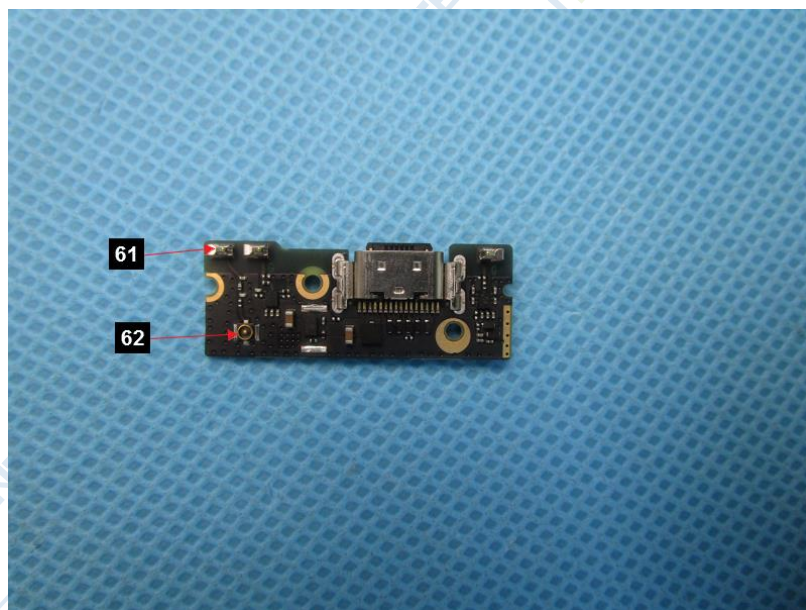


Fig.17

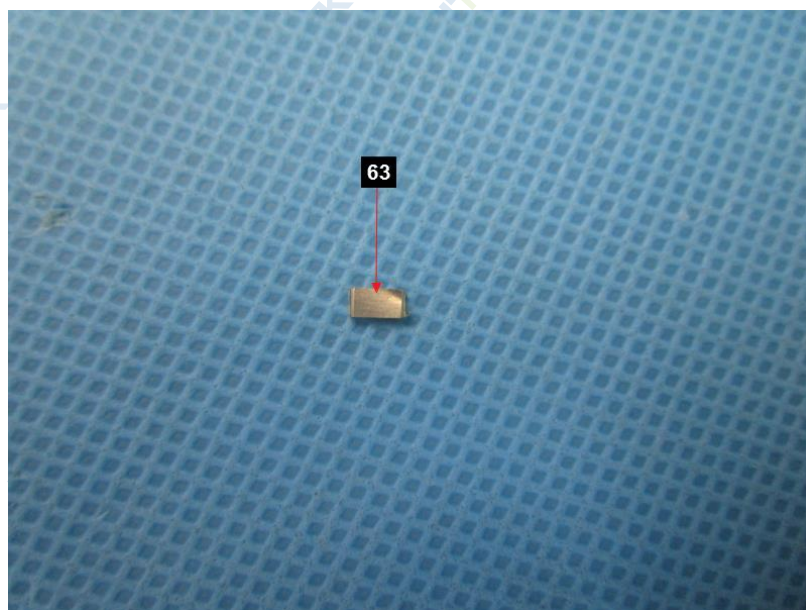


Fig.18

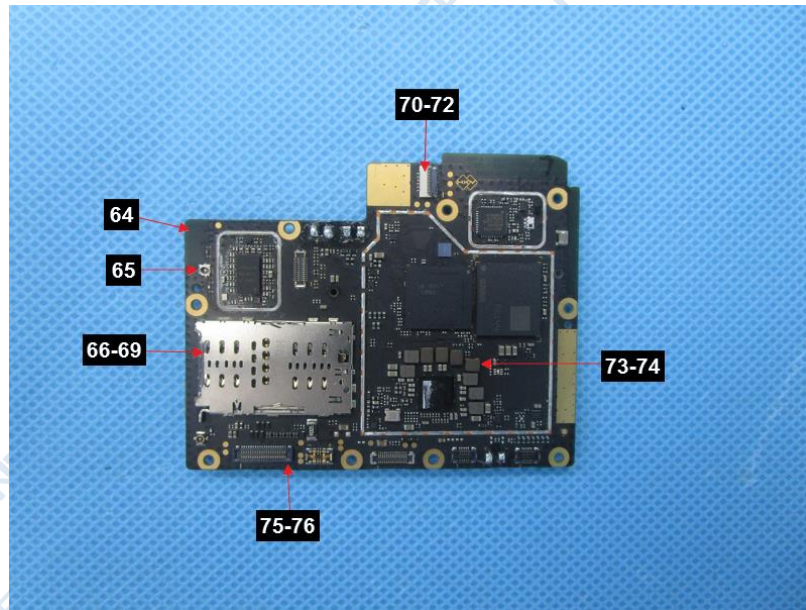


Fig.19

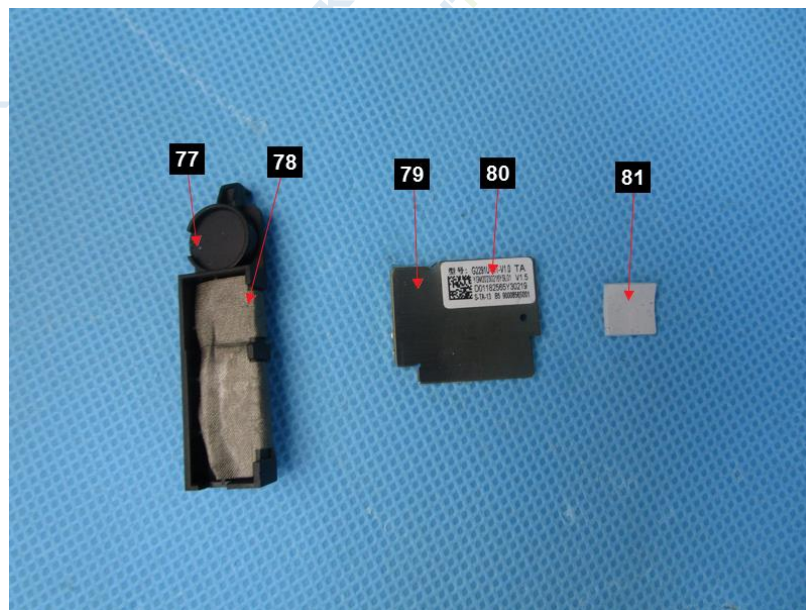


Fig.20

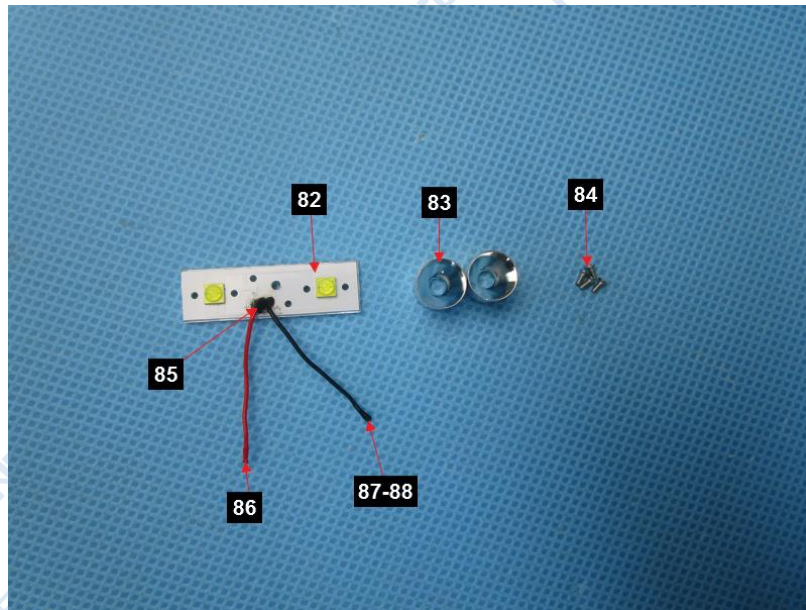


Fig.21



Fig.22

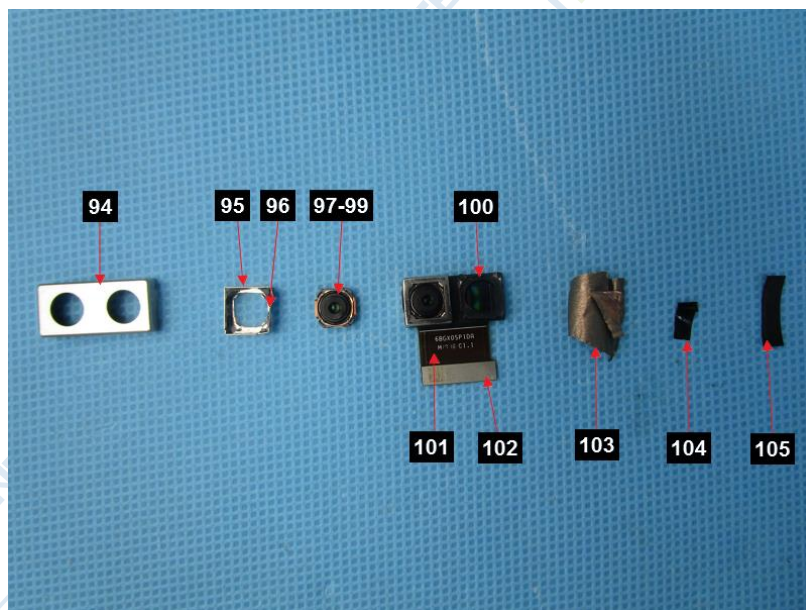


Fig.23

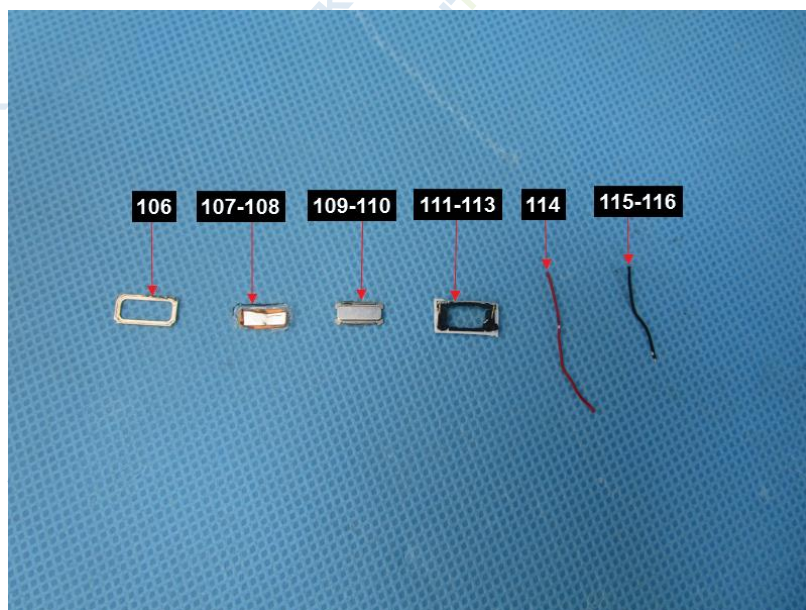


Fig.24

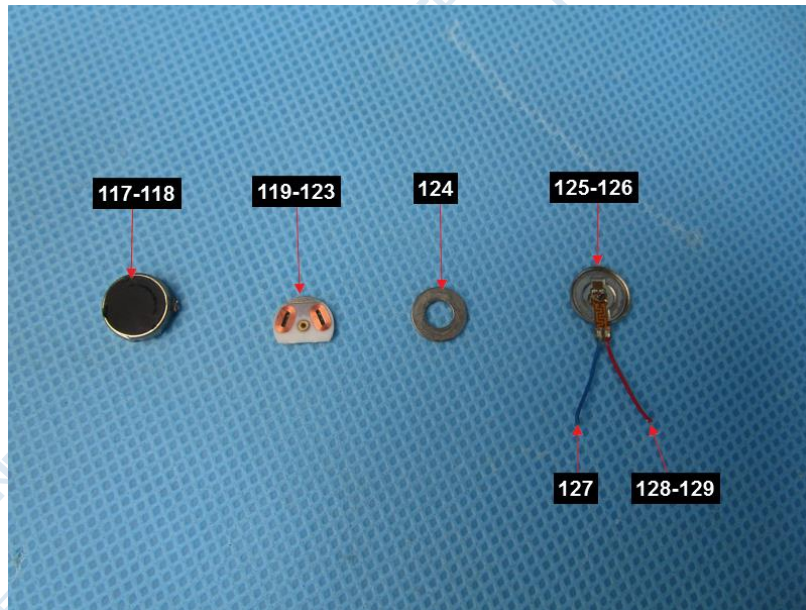


Fig.25

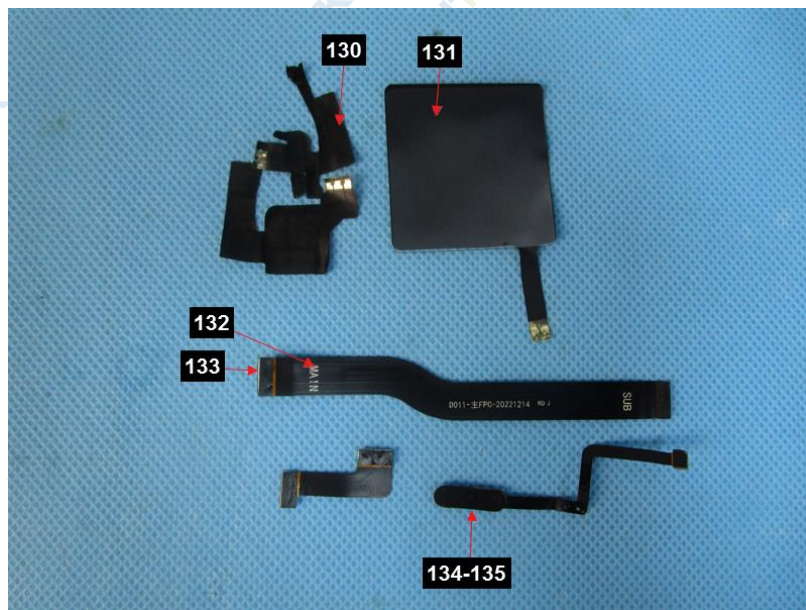


Fig.26



Fig.27

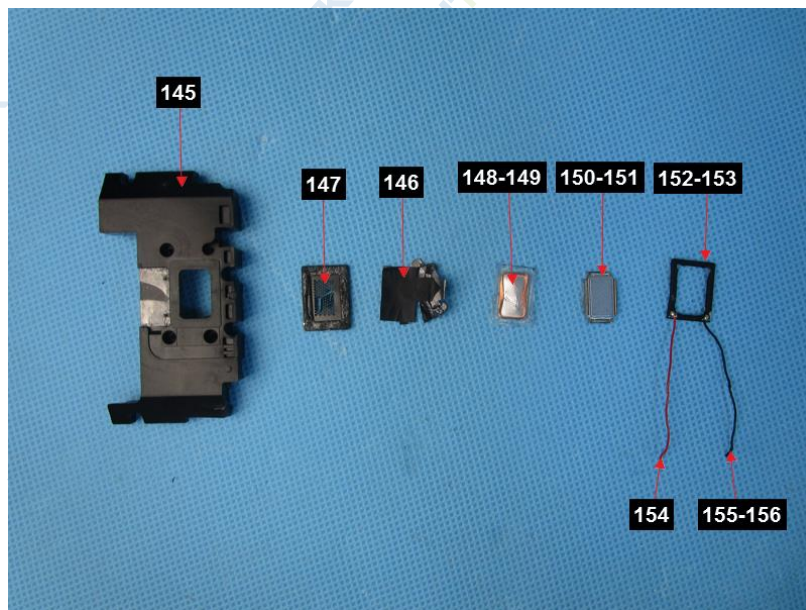


Fig.28



Fig.29

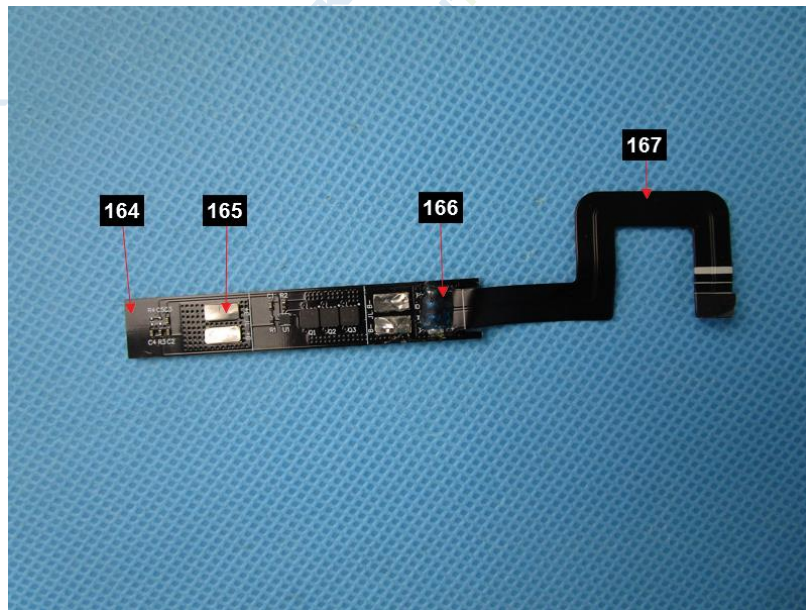


Fig.30



Fig.31



Fig.32

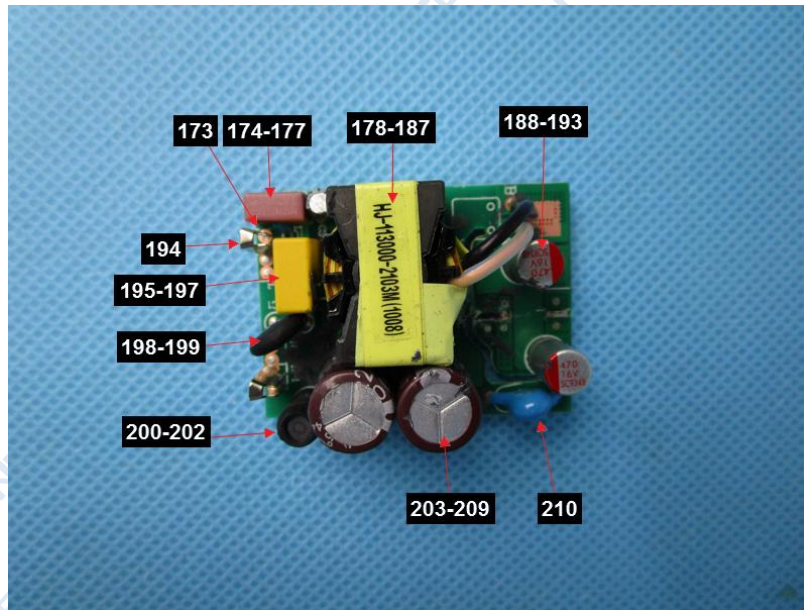


Fig.33

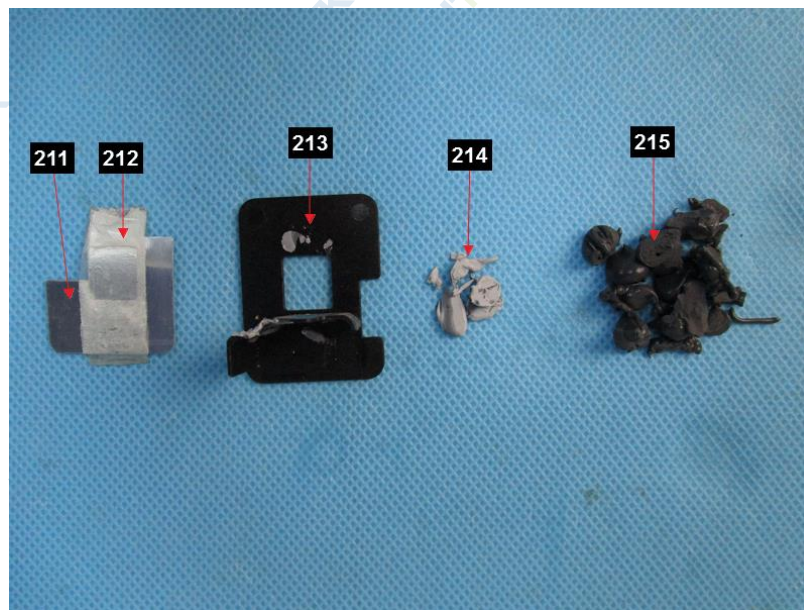


Fig.34

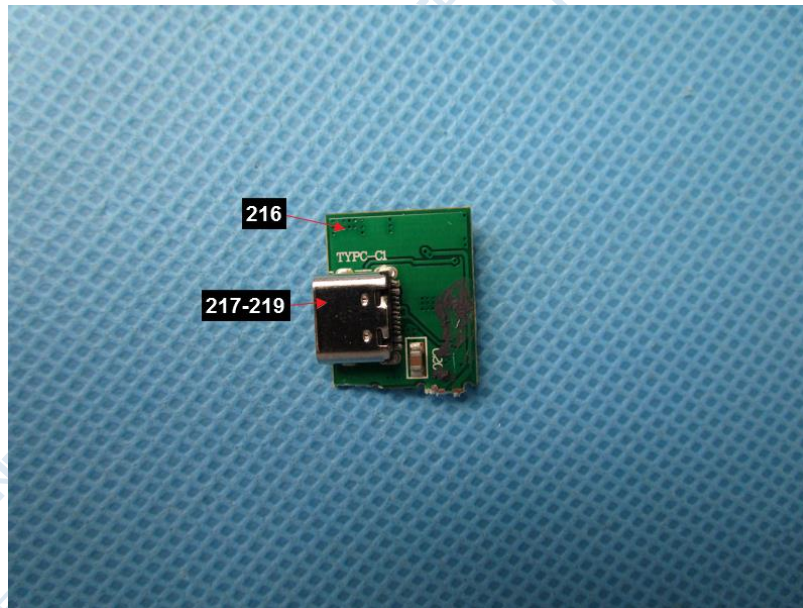


Fig.35

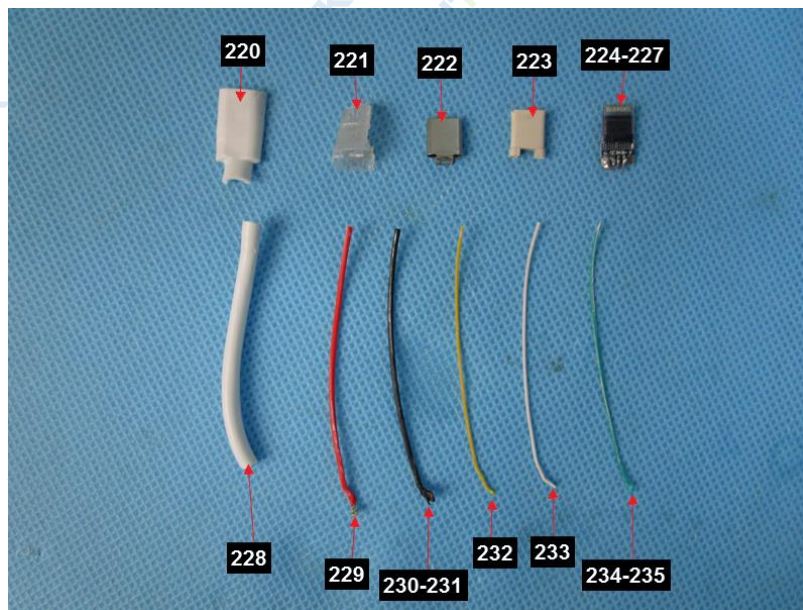


Fig.36

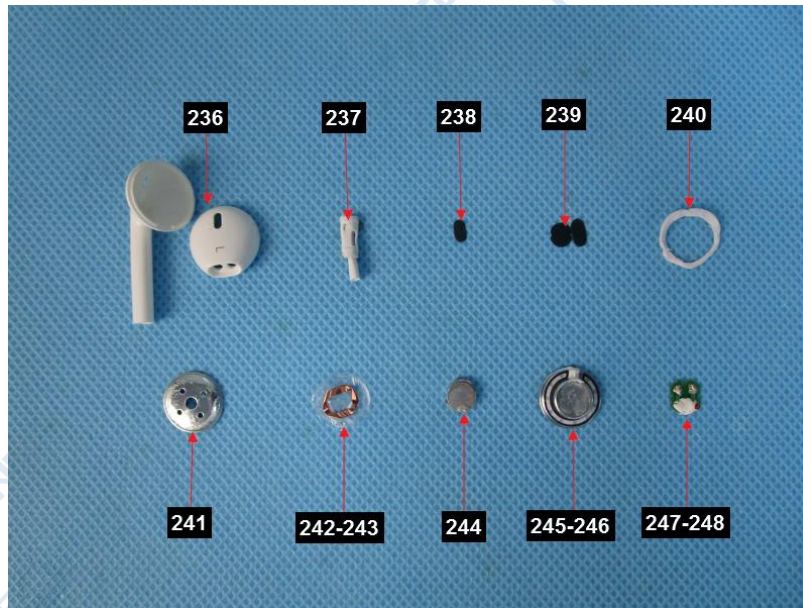


Fig.37

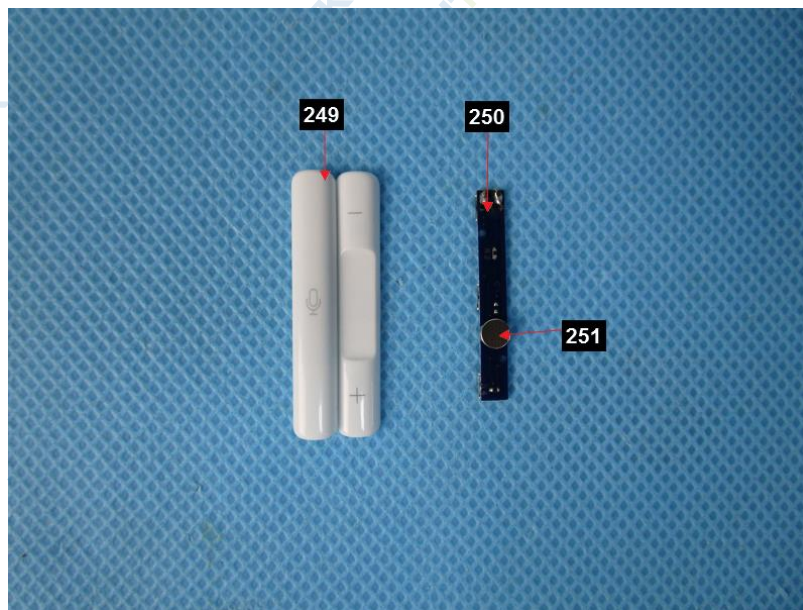


Fig.38

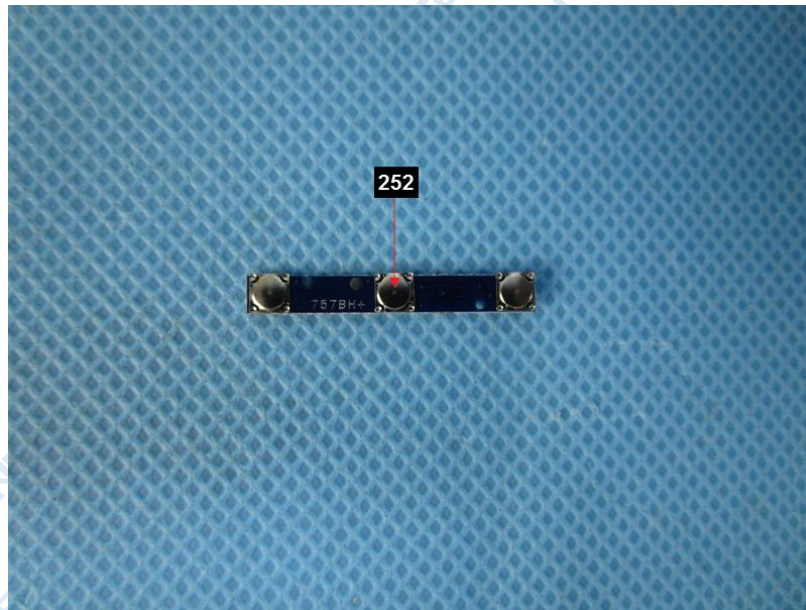


Fig.39

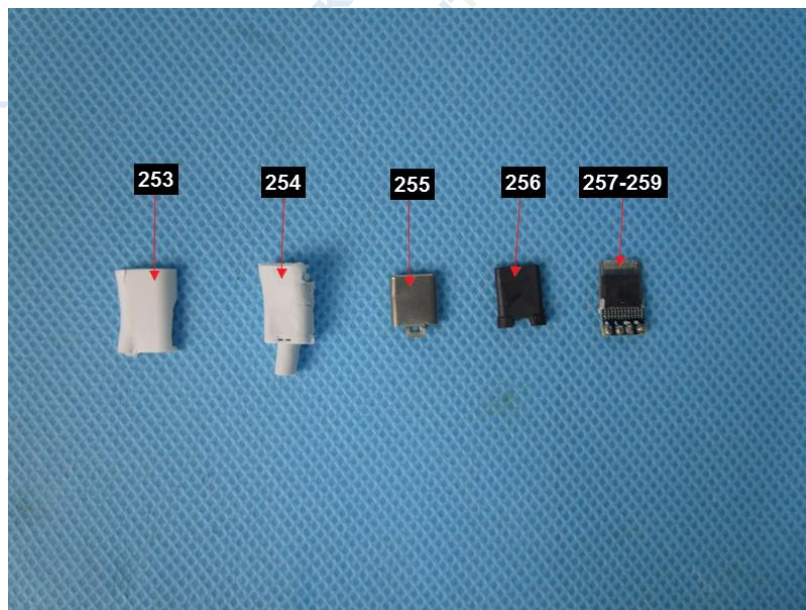


Fig.40

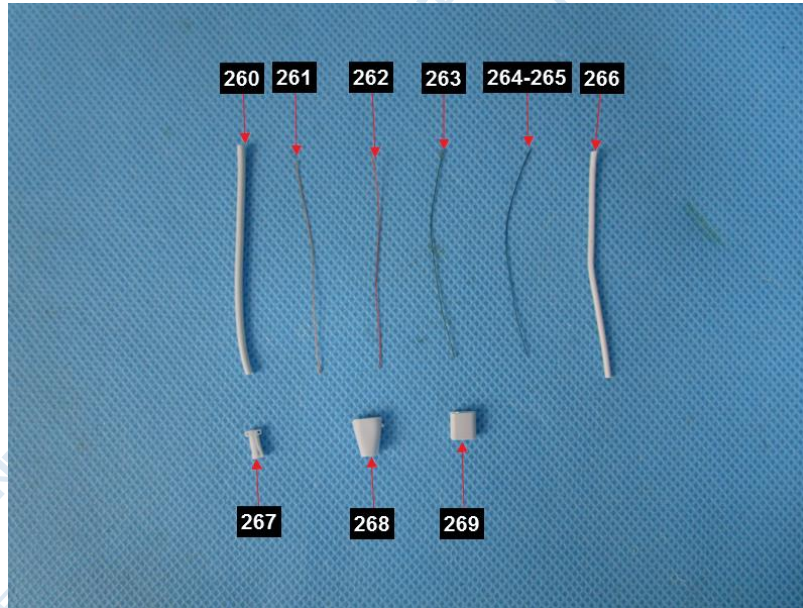


Fig.41



Fig.42

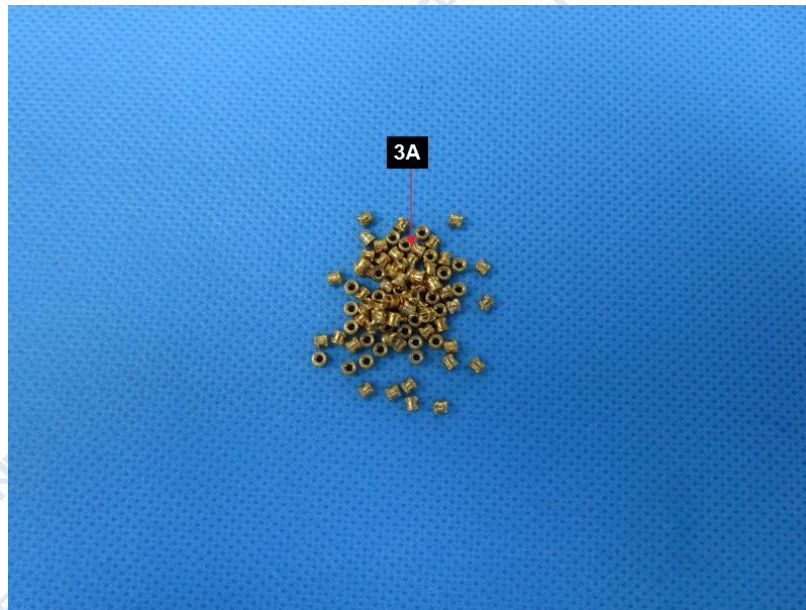


Fig.43

****End of Report****

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