

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: J20
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: Sep. 15, 2022
Testing Period: Sep. 15, 2022~Nov. 08, 2022

Test Requirement:

As specified by client, to screen the 224 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 and Lead are >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: Dora

Reviewed by: Blma

Approved by: Mark Liao

Date: 2022-11-11

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	
I	4	Cobalt dichloride*	7646-79-9	^N.D.	0.010
IV	37	Cobalt(II) sulphate*	10124-43-3	^N.D.	0.010
IV	38	Cobalt(II) dinitrate*	10141-05-6	^N.D.	0.010
IV	39	Cobalt(II) carbonate*	513-79-1	^N.D.	0.010
IV	40	Cobalt(II) diacetate*	71-48-7	^N.D.	0.010
XIV	164	1,3-propanesultone	1120-71-4	0.182	0.050
/	/	Other tested SVHC in candidate list	/	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%	RL (%)
				T14	
XIX	189	Lead	7439-92-1	1.875	0.010
/	/	Other tested SVHC in candidate list	/	N.D.	/

Group Description:

Group	No.
T1	19+20+32+34+35+36+38+40+41+43+46+48+52+54+55+57+60+65+68+70+71+73+74
T2	75+81+82+84+86+87+89+90+92+93+94+96+97+99+100+101+103+105+109+110+113+114+121
T3	122+126+128+130+131+133+138+139+141+143+144+145+148+150+153+155+156+160+162+163+164+170
T4	22+69+78+79+80+106+107+108+112+118+147+151+158+165+166+167+168+169
T5	2+3+5+6+7+8+9+10+11+12++13+14+15+16+17+18+21+23+24+25+26+27+28+29+30+31
T6	33+37+39+42+44+45+47+49+51+53+58+59+61+62+63+64+66+67+72+77+83+85+88+91+95
T7	98+102+104+111+115+116+117+119+123+124+125+129+132+134+135+136+137+140+142+146+149+152+154+157+159+161
T8	1+4
T9	50+56+76+120+127
T10	173+176+177+178+181+182+184+186+187+188+191+197+198+199+202
T11	171+175+179+180+183+185+189+190+192+193+194+195+196+200+201
T12	174
T13	203
T14	172

Part Description:

No.	Description	No.	Description
1	Black coating of glass	2	Glass
3	Transparent plastic sheet	4	Transparent coating of rear cover
5	Plastic base material of rear cover	6	Black plastic rear shell
7	Black transparent plastic sheet of black plastic rear shell	8	Transparent plastic guide lamp block of black plastic rear shell
9	Black plastic frame	10	White label of black plastic frame
11	Black fabric net with double-sided tape of black plastic frame	12	Black plastic sheet with double-sided tape of black plastic frame
13	Black foam strip with double-sided tape of black plastic frame	14	Silvery grey tape with sponge
15	Silvery grey tape	16	Silver grey conductive fabric
17	Black plastic block	18	Black rubber sleeve
19	Silvery metal screw	20	Black metal screw
21	Glass screen	22	Black colloid
23	Reflective translucent plastic sheet	24	Transparent plastic sheet

No.	Description	No.	Description
25	Frosted white plastic	26	Reflective plastic sheet
27	Transparent plastic plate	28	White plastic frame
29	Black foam strip	30	Black tape
31	Yellow FPC	32	Silvery metal sheet of yellow FPC
33	Black foam pads with double-sided tape	34	Silvery metal sheet
35	Silvery metal base	36	Magnet
37	Silvery paper sheet with transparent film	38	Cupreous metal coil
39	Black plastic frame	40	Silvery metal contact pin
41	Silvery metal strip	42	Black FPC 1
43	Silvery metal shrapnel	44	Black tape
45	Black FPC 2	46	Silvery metal sheet of black FPC 2
47	Black plastic of black interface of black FPC 2	48	Metal plug pin of black interface of black FPC 2
49	Black FPC 3	50	Green PCB
51	Microphone body	52	Silvery metal contact pin
53	Black plastic of black interface	54	Metal plug pin of black interface
55	Golden metal contact pin	56	Green PCB
57	Silvery metal shell of camera	58	Lens of camera
59	Glass of camera	60	Cupreous metal coil of camera
61	Black plastic frame of camera	62	Photosensitive component of camera
63	Yellow FPC of camera	64	Brown plastic sheet of camera
65	Silvery metal sheet of camera	66	Black plastic of black/grey interface
67	Grey plastic of black/grey interface	68	Metal plug pin of black/grey interface
69	Black foam with double-sided tape of vibration motor	70	Silvery metal shell of vibration motor
71	Magnet of vibration motor	72	White plastic of vibration motor
73	Cupreous metal coil of vibration motor	74	Cupreous metal ring of vibration motor
75	Silvery metal block of vibration motor	76	Green PCB of vibration motor
77	Yellow FPC of vibration motor	78	Transparent colloid of vibration motor
79	Blue wire jacket of vibration motor	80	Red wire jacket of vibration motor
81	Core of wire of vibration motor	82	Silvery metal shell of Micro interface
83	Black plastic of Micro interface	84	Metal plug pin of Micro interface
85	Black plastic of audio interface	86	Metal plug pin of audio interface
87	Silvery metal head of grey interface	88	Grey plastic of grey interface
89	Metal plug pin of grey interface	90	Silvery metal shell of battery interface
91	Grey plastic of battery interface	92	Metal contact pin of battery interface
93	Silvery metal spring of battery interface	94	Silvery metal shell of card slot
95	Grey plastic of card slot	96	Metal plug pin of card slot

No.	Description	No.	Description
97	Metal contact pin of card slot	98	Black foam pads of speakers
99	Silvery metal frame of speakers	100	Silvery metal base of speakers
101	Magnet of speakers	102	Silvery paper with transparent film of speakers
103	Cupreous metal coil of speakers	104	Black plastic frame of speakers
105	Silvery metal contact pin of speakers	106	Black colloid of speakers
107	Black wire jacket of speakers	108	Red wire jacket of speakers
109	Core of wire of speakers	110	Silvery metal cover
111	White QR code label	112	Black wire jacket
113	Core of wire	114	Silvery metal head
115	Black plastic jacket	116	Black plastic cover
117	Black plastic sheet	118	Transparent double-sided adhesive of black plastic sheet
119	Yellow paper	120	Black PCB
121	Golden metal block	122	Silvery metal block
123	Black plastic strip	124	Green paper
125	White plastic shell	126	Silvery metal rod
127	Beige PCB	128	Silvery metal shell of 2.0 USB interface
129	Black plastic of 2.0 USB interface	130	Metal plug pin of 2.0 USB interface
131	Silvery metal sheet	132	Grey body of RF1 color ring resistance
133	Metal pin of RF1 color ring resistance	134	Black casing tube of RF1 color ring resistance
135	Dark green tape of T1 transformer	136	White label of T1 transformer
137	Yellow tape of T1 transformer	138	Magnet core of T1 transformer
139	Cupreous metal coil of T1 transformer	140	Black plastic frame of T1 transformer
141	Metal pin of T1 transformer	142	Black plastic jacket of C2 electrolytic capacitors
143	Aluminum shell of C2 electrolytic capacitors	144	Anode foil of C2 electrolytic capacitors
145	Cathode foil of C2 electrolytic capacitors	146	Electrolytic paper of C2 electrolytic capacitors
147	Rubber blanket of C2 electrolytic capacitors	148	Electrode pin of C2 electrolytic capacitors
149	Green body of L1 color ring resistance	150	Metal pin of L1 color ring resistance
151	White encapsulation of 2.0 USB interface	152	Translucent plastic of 2.0 USB interface
153	Silvery metal shell of 2.0 USB interface	154	White plastic of 2.0 USB interface
155	Metal plug pin of 2.0 USB interface	156	Tin solder of 2.0 USB interface

No.	Description	No.	Description
157	Yellow QR code label of 2.0 USB interface	158	White encapsulation of Micro interface
159	Translucent plastic of Micro interface	160	Silvery metal shell of Micro interface
161	Black plastic of Micro interface	162	Metal insert of Micro interface
163	Metal plug pin of Micro interface	164	Tin solder of Micro interface
165	White exterior wire jacket	166	Green inner wire jacket
167	White inner wire jacket	168	Pink inner wire jacket
169	Black inner wire jacket	170	Core of wire
171	White plastic shell	172	Silvery metal plug pin
173	Silvery metal sheet	174	Beige PCB
175	Dark blue plastic leather of C6 electrolytic capacitors	176	Aluminum shell of C6 electrolytic capacitors
177	Anode foil of C6 electrolytic capacitors	178	Cathode foil of C6 electrolytic capacitors
179	Electrolytic paper of C6 electrolytic capacitors	180	Rubber blanket of C6 electrolytic capacitors
181	Electrode pin of C6 electrolytic capacitors	182	Black plastic of 2.0 USB interface
183	Silvery metal shell of 2.0 USB interface	184	Metal plug pin of 2.0 USB interface
185	Green plastic jacket of C7 electrolytic capacitors	186	Aluminum shell of C7 electrolytic capacitors
187	Anode foil of C7 electrolytic capacitors	188	Cathode foil of C7 electrolytic capacitors
189	Electrolytic paper of C7 electrolytic capacitors	190	Rubber blanket of C7 electrolytic capacitors
191	Electrode pin of C7 electrolytic capacitors	192	Blue body of CY1 capacitor
193	Brown plastic jacket of C2 electrolytic capacitor	194	Black plastic sheet
195	Transparent label of T1 transformer	196	Brown plastic jacket of C1 electrolytic capacitors
197	Aluminum shell of C1 electrolytic capacitors	198	Anode foil of C1 electrolytic capacitors
199	Cathode foil of C1 electrolytic capacitors	200	Electrolytic paper of C1 electrolytic capacitors
201	Rubber blanket of C1 electrolytic capacitors	202	Electrode pin of C1 electrolytic capacitors
203	Cell (mixed test)	/	/

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	[®] Sodium peroxometaborate perboric acid, sodium salt*	/	239-172-9/ 234-390-0	0.010
XI	155	[®] 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

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) 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. ^As the client's declaration, the content of Cobalt was not from Cobalt dichloride, Cobalt(II) sulphate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate.
10. Part No.157 Resubmitted Date: Oct. 20, 2022.

Sample photo(s):



Fig.1



Fig.2



Fig.3

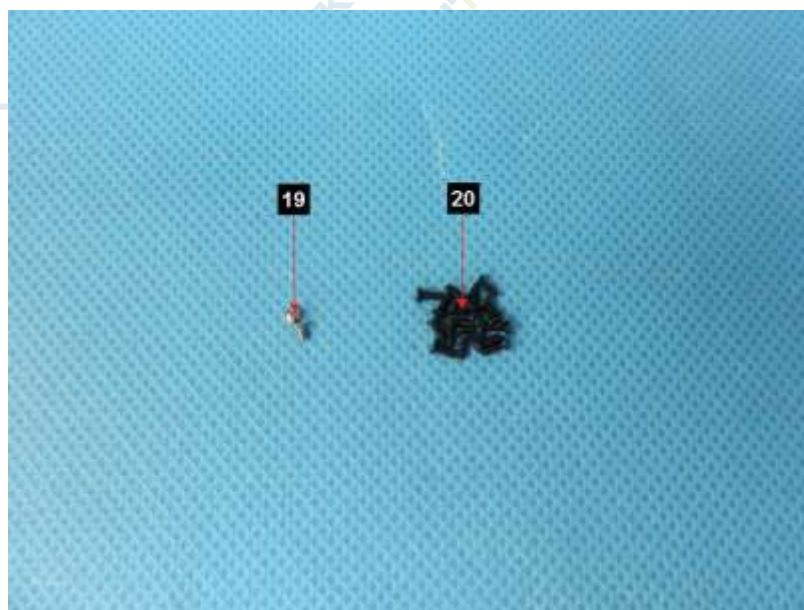


Fig.4

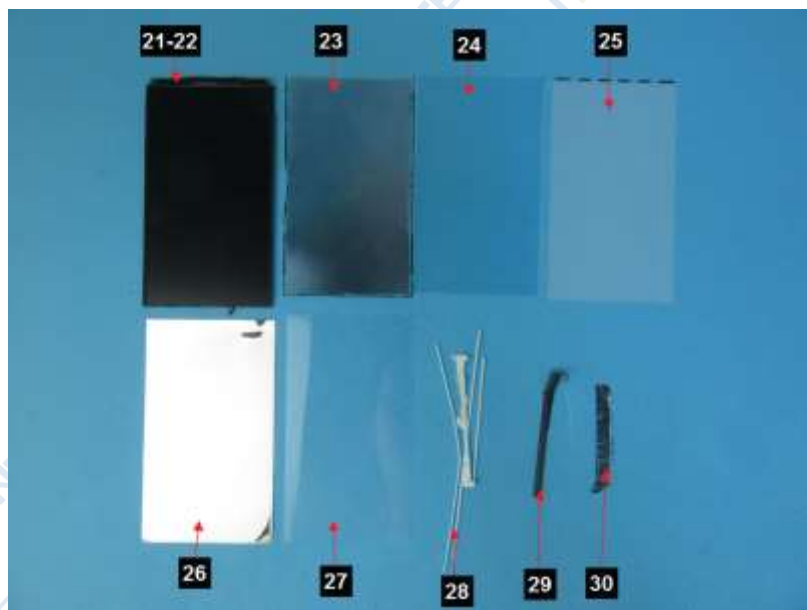


Fig.5

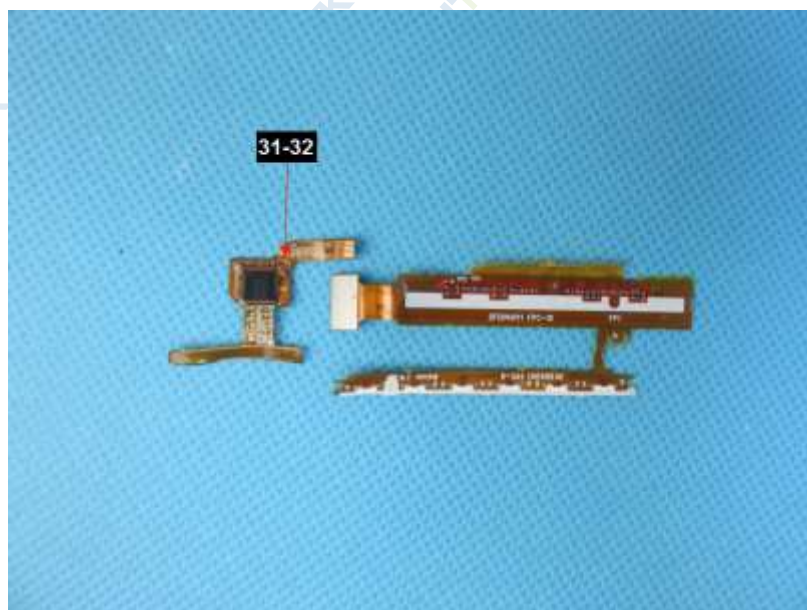


Fig.6

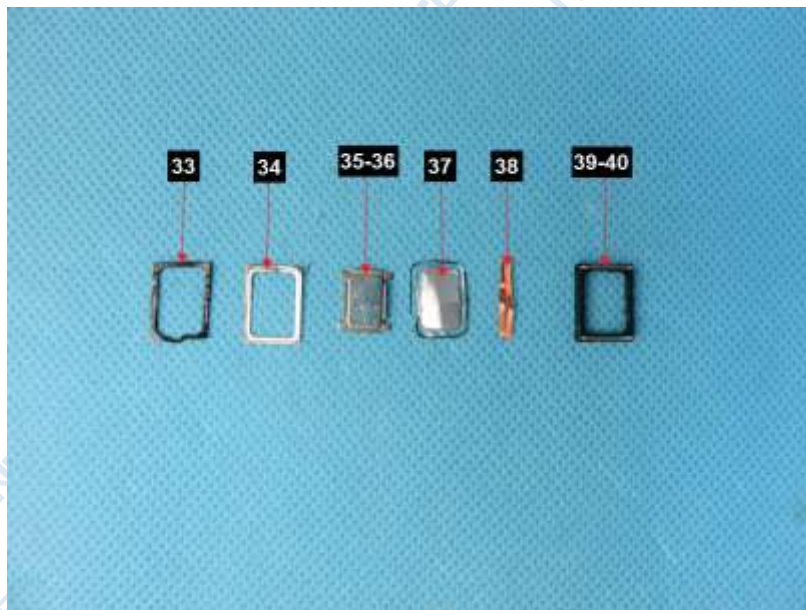


Fig.7



Fig.8

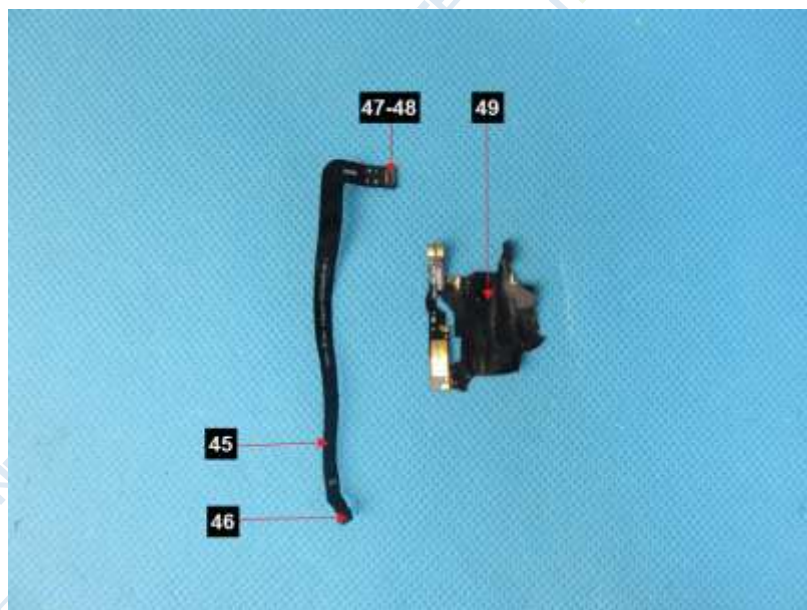


Fig.9

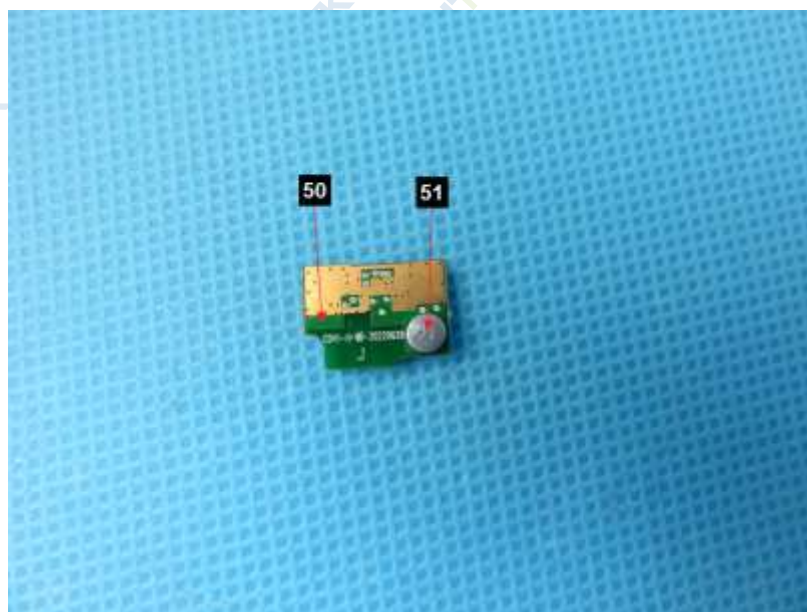


Fig.10

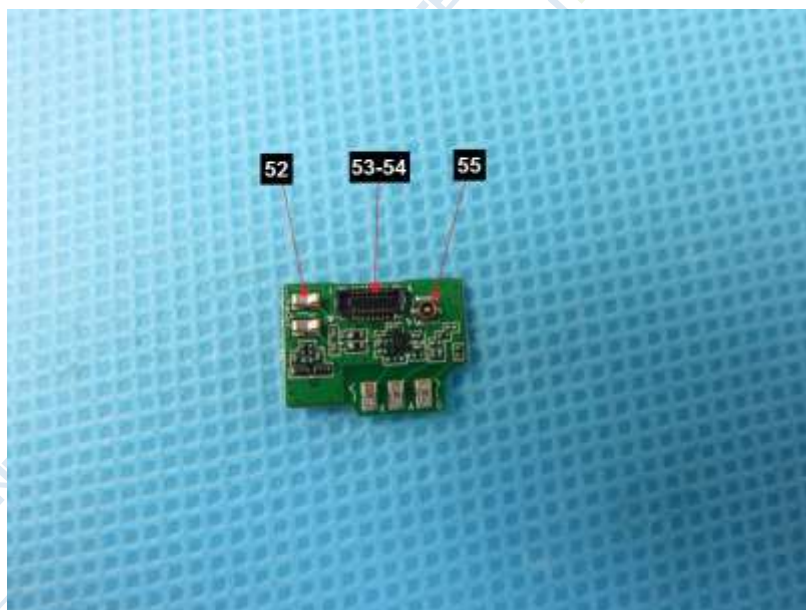


Fig.11

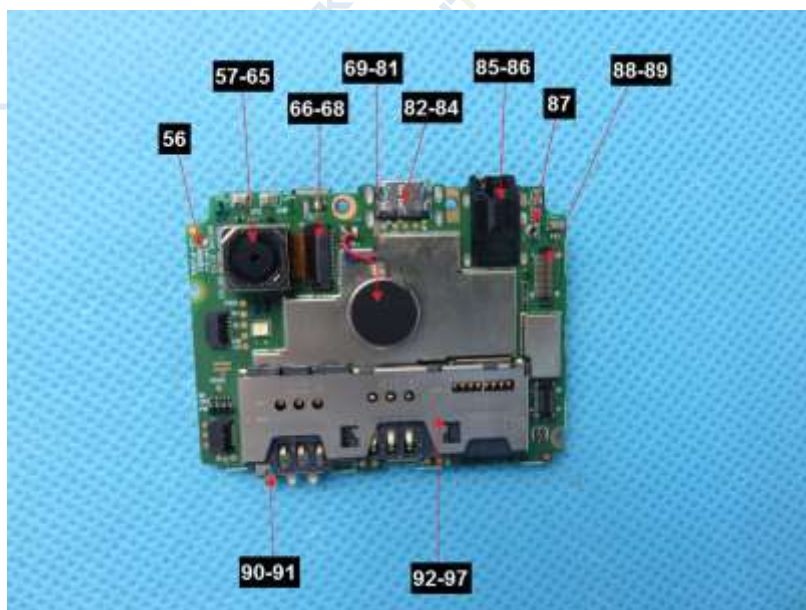


Fig.12



Fig.13



Fig.14

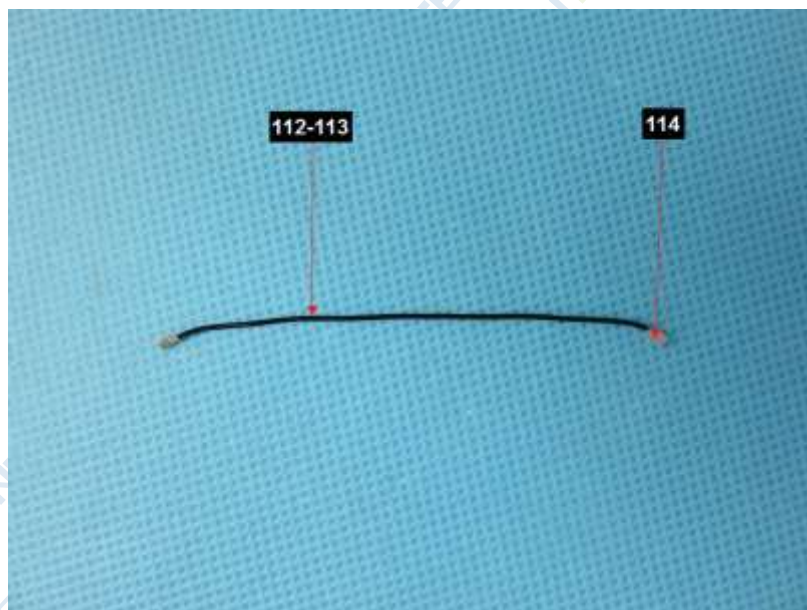


Fig.15



Fig.16

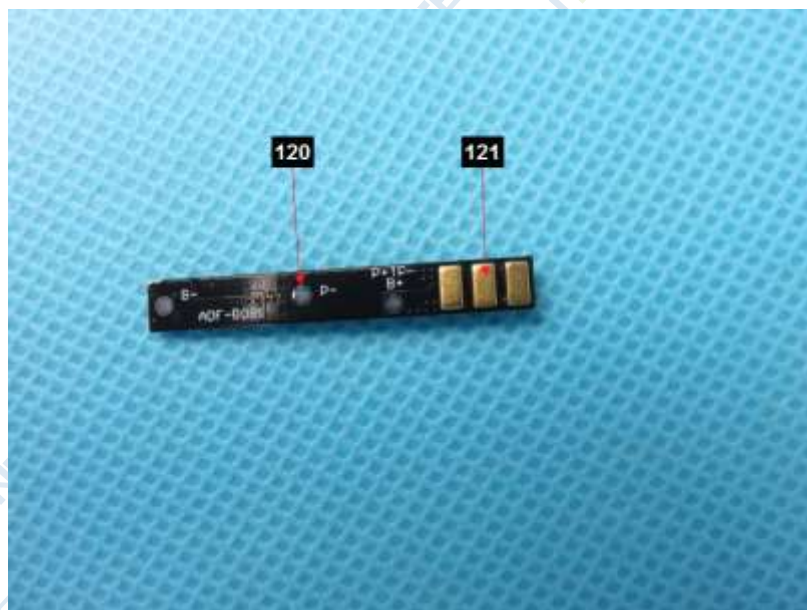


Fig.17



Fig.18



Fig.19



Fig.20

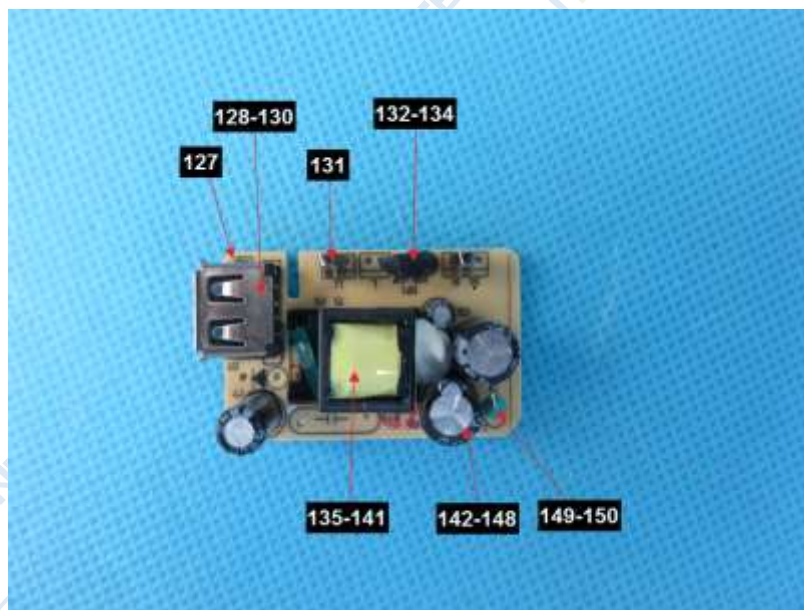


Fig.21

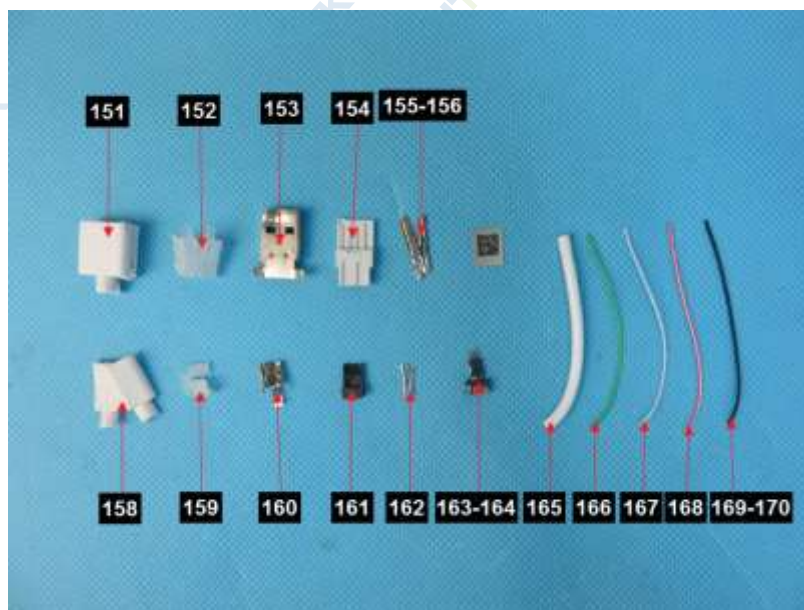


Fig.22



Fig.23

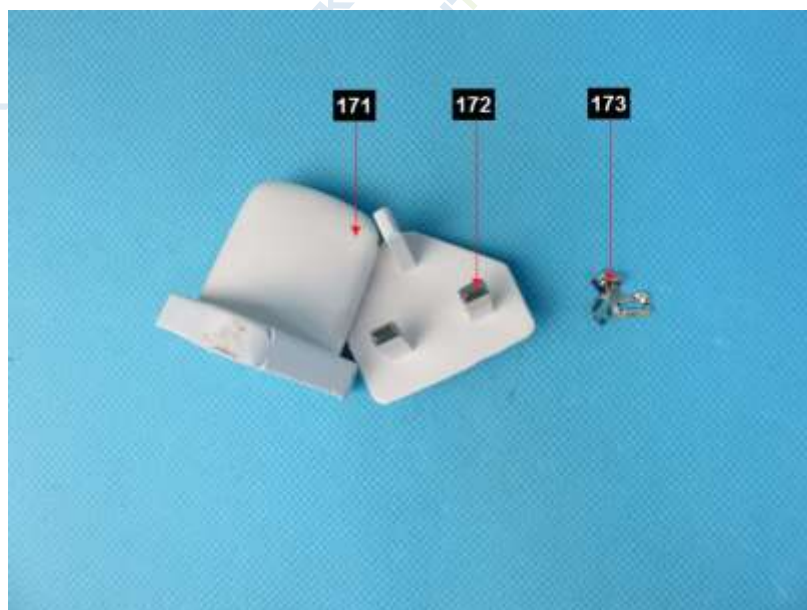


Fig.24

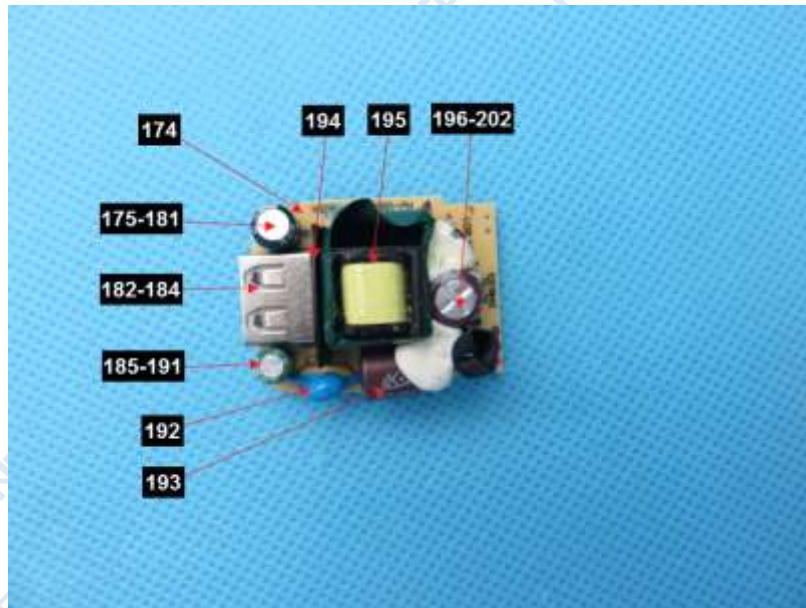


Fig.25

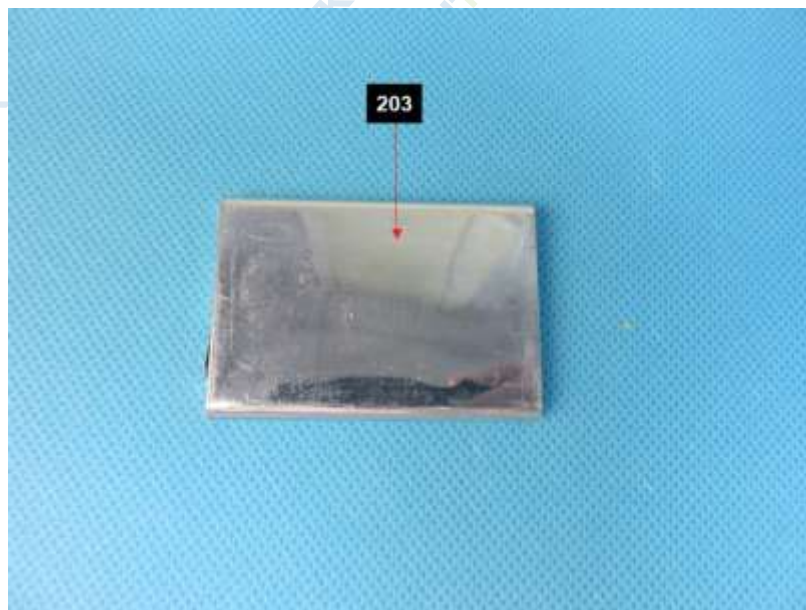


Fig.26

****End of Report****

The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of NTEK, this report can't be reproduced except in full.