

TEST REPORT

Applicant: Haverford Systems, Inc.
Address: 534 Trestle Place Downingtown, PA 19335

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

Product name: HD PTZ Video Camera
Model: PT12X-SE-GY-G3
Client Ref. Info.: PT12X-SE-WH-G3;PT20X-SE-GY-G3;PT20X-SE-WH-G3;PT30X-SE-GY-G3;PT30X-SE-WH-G3;
Trade mark: PTZOptics
Sample Received Date: 2023-06-21
Testing Period: 2023-06-21 ~ 2023-07-11

Test Requirement:

As specified by client, to screen the 235 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 Lead is >0.1%(w/w) in certain component(s), the concentrations of each other SVHCs is $\leq 0.1\%$ (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:

Lily

Approved by:

may

Date:

2023-09-25

Sample Description:

No.	Sample name	Description
1	Shell	Black rubber cover
2		Silvery grey coating of silvery grey plastic shell
3		Plastic base material of silvery grey plastic shell
4		Black plastic ring
5		Silvery white coating of silvery grey plastic bottom shell
6		Plastic base material of silvery grey plastic bottom shell
7		Black plastic plaque with silk lettering
8		Silvery metal screw of black plastic plaque with silk lettering
9		Black plastic shell
10		Black plastic sheet with glue of black plastic shell
11		Black coating of black metal plate
12		Metal base material of black metal plate
13		Silvery label with lettering
14		Golden label with lettering
15		Silvery barcode label
16		Black metal stud
17		Grey black colloid
18		Black white coating of black white metal frame
19		Metal base material of black white metal frame
20		Silvery metal stud of black white metal frame
21		Blue translucent plastic sheet(with double tape) of black white metal frame
22		Black coating of black metal block
23		Metal base material of black metal block
24		Silvery grey metal frame
25		Silvery grey metal round frame
26		Silvery metal sheet of silvery grey metal round frame
27		Black rubber sleeve of silvery grey metal round frame
28		Silvery metal nut of silvery grey metal round frame
29		Silvery metal gear of silvery grey metal round frame
30		Nude plastic gear belt of silvery grey metal round frame
31		Black plastic gear of bearing
32		Black plastic shell of bearing
33		Silvery metal outer ring of bearing
34		Silvery metal inner ring of bearing
35		Silvery metal cover of bearing
36		Silvery metal frame of bearing

No.	Sample name	Description
37	Shell	Steel ball of bearing
38		Black plastic gear belt of bearing
39		Black rubber pads with glue of bearing
40		Black metal screw 1(from left to right)
41		Black metal screw 2
42		Black metal screw 3
43		Black metal screw 4
44		Transparent plastic lamp guide body
45		White plastic tie
46		Silvery metal screw of silvery metal screw assembly
47		Silvery metal washer of silvery metal screw assembly
48		Silvery metal plain washer of silvery metal screw assembly
49		Black metal screw 5
50		Silvery metal screw 1
51	Shell screw	Black metal screw 6
52		Silvery metal screw 2
53		Black metal screw 7
54		Black metal screw 8
55		Silvery metal screw 3
56		Black metal screw 9
57		Silvery metal screw 4
58		Silvery metal screw 5
59		Silvery metal screw 6
60		Silvery metal screw 7
61		Black metal screw 10
62		Black metal screw 11
63		Black metal screw 12
64		Golden metal stud
65	Camera shell	Silvery grey metal plate
66		Purple colloid of silvery grey metal plate
67		Cupreous metal frame
68		Black tape
69		Black plastic cover
70		Transparent convex lens of black plastic cover
71		Black plastic shell
72		White barcode label paper of black plastic shell
73		Black plastic frame

No.	Sample name	Description
74	Camera shell	Lens of black plastic frame
75		Black plastic sheet
76		Black rubber ring of black plastic sheet
77		Colored glass of black plastic sheet
78		Silvery metal screw
79		Black metal screw - round head
80		Black metal screw - flat head
81		Black metal screw
82		Silvery metal rod
83		Plastic jacket of camera cable strip
84		Metal wire of camera cable strip
85		Blue plastic sheet of camera cable strip
86	Shutter module	Black plastic shell
87		Black tape of black plastic shell
88		Silvery metal spring
89		Black plastic sheet
90		Black metal plate
91		Silvery metal shell
92		Black tape of silvery metal shell
93		Yellow plastic sheet
94		White adhesive tape
95		Black plastic frame
96		Cupreous metal coil of black plastic frame
97		Magnet of black plastic frame
98		Golden metal plug pin of black plastic frame
99	Stepper motor	Silvery metal block
100		Silvery grey metal shell
101		Silvery metal shell of silvery grey metal shell
102		Silvery metal rod
103		Magnet core of silvery metal rod
104		Black plastic
105		Black plastic block
106		Cupreous metal coil
107	Stepper motor FPC	Yellow FPC
108		Yellow plastic sheet of yellow FPC
109		Transparent colloid of yellow FPC
110		Tin solder of yellow FPC
111		Black plastic of light shading

No.	Sample name	Description
112	Stepper motor FPC	Silvery metal of light shading
113	PCBA-12X5Y_200700	Green PCBA(mixed test)
114		White QR code label paper of green PCBA(mixed test)
115		Black plastic of black beige interface
116		Beige plastic of black beige interface
117		Silvery metal of black beige interface
118		Metal plug pin of black beige interface
119		Black plastic of black interface
120		Silvery metal of black interface
121		Metal plug pin of black interface
122		Beige plastic of beige interface
123		Metal plug pin of beige interface
124	PCBA-SY1020_IMX327H_20300	Green PCBA(mixed test)
125		Aluminum shell of electrolytic capacitor
126		Anode foil of electrolytic capacitor
127		Cathode foil of electrolytic capacitor
128		Electrolytic paper of electrolytic capacitor
129		Rubber blanket of electrolytic capacitor
130		Metal pin of electrolytic capacitor
131		Black plastic pedestal of electrolytic capacitor
132	Camera cable	Off-white plastic wire clip
133		White label paper with lettering
134		Black tape
135		Silvery grey tape
136		Terminal - black plastic
137		Terminal - silvery metal shell
138		Terminal - red metal core
139	Motor	Blue plastic sheet with glue
140		Silvery metal screw
141		Silvery metal shell
142		Golden metal nut of silvery metal shell
143		Silvery metal rod of silvery metal shell
144		Magnet core of silvery metal shell
145		Black silicon steel sheet
146		White plastic skeleton of black silicon steel sheet
147		Transparent colloid of black silicon steel sheet
148		Coil of black silicon steel sheet
149		Silvery metal outer ring of bearing

No.	Sample name	Description
150	Motor	Silvery metal inner ring of bearing
151		Silvery metal cover of bearing
152		Brown plastic frame of bearing
153		Steel ball of bearing
154		Beige transparent plastic frame
155		White transparent washer
156		White washer
157		White plastic terminal
158		Metal plug pin
159		Brown wire jacket
160		Orange wire jacket
161		Red wire jacket
162		Yellow wire jacket
163		Metal core of wire
164		Black wire jacket
165		Green wire jacket
166		Metal core of wire 1
167	PCBA-V61SS_2610_MB_V3	Green PCBA(mixed test)
168		Tin solder of green PCBA(mixed test)
169		Black foam glue
170		Aluminum shell of C257 electrolytic capacitor
171		Anode foil of C257 electrolytic capacitor
172		Cathode foil of C257 electrolytic capacitor
173		Electrolytic paper of C257 electrolytic capacitor
174		Rubber blanket of C257 electrolytic capacitor
175		Electrode pin of C257 electrolytic capacitor
176		Black plastic pedestal of C257 electrolytic capacitor
177		Magnet core of inductance
178		Coil of inductance
179		Silvery metal shell of S1 switch
180		Black plastic button of S1 switch
181		Black plastic of S1 switch
182		Metal shrapnel of S1 switch
183		Metal shell of Type-C interface
184		Black plastic of Type-C interface
185		Metal plug pin of Type-C interface
186		Black plastic of HDMI interface
187		Silvery metal shell of HDMI interface

No.	Sample name	Description
188	PCBA-V61SS_2610_MB_V3	Silvery metal contact pin of HDMI interface
189		Silvery metal nut of X3 interface
190		Silvery metal plain washer of X3 interface
191		Silvery metal shell of X3 interface
192		White plastic of X3 interface
193		Golden metal plug pin of X3 interface
194		Silvery metal shell of D11LED
195		Black lamp body of D11LED
196		Metal pin of D11LED
197		Silvery metal shell of USB interface
198		Metal contact pin of USB interface
199		White plastic of USB interface
200		Silvery metal shell of network cable interface
201		Metal contact pin of network cable interface
202		Black plastic of network cable interface
203		Yellow LED of network cable interface
204		Green LED of network cable interface
205		Metal pin of network cable interface
206		Black plastic of X12 interface
207		Silvery metal sheet of X12 interface
208		Metal plug pin of X12 interface
209		Black plastic shell of filter
210		Magnet core of filter
211		Varnished wire of filter
212		Magnet core of L26 inductance
213		Coil of L26 inductance
214		Grey plastic shell of L26 inductance
215		Aluminum shell of C134 electrolytic capacitor
216		Anode foil of C134 electrolytic capacitor
217		Cathode foil of C134 electrolytic capacitor
218		Electrolytic paper of C134 electrolytic capacitor
219		Rubber blanket of C134 electrolytic capacitor
220		Electrode pin of C134 electrolytic capacitor
221		Black brown plastic jacket of C134 electrolytic capacitor
222		Black plastic of black beige interface
223		Beige plastic of black beige interface
224		Metal plug pin of black beige interface
225		Yellow tape of vertical inductor

No.	Sample name	Description
226	PCBA-V61SS_2610_MB_V3	Plastic skeleton of vertical inductor
227		Magnet core of vertical inductor
228		Cupreous metal coil of vertical inductor
229		Varnished wire of vertical inductor
230		Black pouring sealant of vertical inductor
231		Beige plastic of off-white interface
232		Metal plug pin of off-white interface
233		White colloid of off-white interface
234		Plastic jacket of line row
235		Metal wire of line row
236		Blue plastic sheet of line row
237	PCBA-V51NETC_150104	Green PCBA(mixed test)
238		Black plastic of X30 interface
239		Silvery metal shell of X30 interface
240		Metal plug pin of X30 interface
241		Green plastic of X2 green interface
242		Metal plug pin of X2 green interface
243		Silvery metal screw of X2 green interface
244		Silvery metal block of X2 green interface
245		Silvery metal sheet of X2 green interface
246		Blue plastic shell of SM2 adjustable potentiometer
247		Yellow plastic of SM2 adjustable potentiometer
248		Silvery metal plain washer of SM2 adjustable potentiometer
249		Silvery metal shrapnel of SM2 adjustable potentiometer
250		Silvery metal sheet of SM2 adjustable potentiometer
251		Metal pin of SM2 adjustable potentiometer
252		Black plastic of audio interface
253		Metal contact pin of audio interface
254		Brown scotch tape of audio interface
255		Tin solder
256		White plastic terminal
257		Metal plug pin
258		Red wire jacket
259		Black wire jacket
260		Metal core of wire
261	PCBA-VHD_N01SEREDUC	Green PCBA(mixed test)
262	TION_V1.1	Beige plastic of beige interface

No.	Sample name	Description
263	PCBA-VHD_N01SEREDUC TION_V1.1	Metal plug pin of beige interface
264		Yellow transparent colloid of beige interface
265	PCBA-H_ORGO_V1.4A	Green PCBA(mixed test)
266		Beige plastic of beige interface
267		Metal plug pin of beige interface
268		Black plastic of light shading
269		Silvery metal of light shading
270	PCBA-V_ORGIO_V1.4A	Green PCBA(mixed test) (with SMD)
271		White plastic terminal
272		Metal plug pin
273		Red wire jacket
274		Black wire jacket
275		Metal core of wire
276		Black tape
277	Remote control	Black plastic shell
278		Silvery metal spring of black plastic shell
279		Black plastic cover with silk lettering
280		Black mental screw
281		Black rubber button
282		Red rubber button with white silk lettering
283		White rubber button with black silk lettering
284		Black rubber button with white silk lettering
285		Green rubber button with white silk lettering
286		Yellow rubber button with white silk lettering
287		Purple rubber button with white silk lettering
288	Remote control PCBA	Brownish green PCBA(mixed test)
289		Tin solder of brown green PCBA(mixed test)
290		Metal pin of LED light
291		Transparent lamp body of LED light
292		Aluminum shell of electrolytic capacitor
293		Anode foil of electrolytic capacitor
294		Cathode foil of electrolytic capacitor
295		Electrolytic paper of electrolytic capacitor
296		Rubber blanket of electrolytic capacitor
297		Electrode pin of electrolytic capacitor
298		Black plastic jacket of electrolytic capacitor
299	Programming cable	Silvery metal screw of VGA connector
300		Black plastic of VGA connector

No.	Sample name	Description
301	Programming cable	Black encapsulation of VGA connector
302		White encapsulation of VGA connector
303		Silvery metal shell of VGA connector
304		Blue plastic of VGA connector
305		Silvery metal plug pin of VGA connector
306		Black encapsulation of 6pin connector
307		Silvery metal shell of 6pin connector
308		White encapsulation of 6pin connector
309		Black plastic of 6pin connector
310		Silvery metal plug pin of 6pin connector
311		Black exterior wire jacket
312		Silvery metal mesh
313		Silvery blue aluminum foil
314		Green wire jacket
315		Blue wire jacket
316		Black wire jacket
317		White wire jacket
318		Red wire jacket
319		Silvery metal wire core
320	Type-C-USB harness	Black encapsulation of USB connector
321		Silvery metal shell of USB connector
322		White encapsulation of USB connector
323		Blue plastic of USB connector
324		Metal plug pin of USB connector
325		Tin solder of USB connector
326		Black metal screw of type-c connector
327		Black encapsulation of type-c connector
328		Silvery metal shell of type-c connector
329		White textured paper of type-c connector
330		White encapsulation of type-c connector
331		Silvery metal shell of type-c connector
332		Grey plastic of type-c connector
333		Metal plug pin of type-c connector
334		Green PCBA(mixed test) of type-c connector
335		Tin solder of type-c connector
336		Black exterior wire jacket
337		Silvery metal mesh
338		Silvery aluminum foil

No.	Sample name	Description
339	Type-C-USB harness	White fiber wire leather
340		Silvery blue aluminum foil
341		Silvery metal wire
342		Blue wire jacket
343		Yellow wire jacket
344		Purple wire jacket
345		Orange wire jacket
346		Red wire jacket
347		Black wire jacket
348		Green wire jacket
349		White wire jacket
350		Silvery metal wire core

Group Description:

Group	No.
T1	8+12+16+19+20+23+24+25+26+28+29+33+34+35+36+37+40+41+42+43
T2	46+47+48+49+50+51+52+53+54+55+56+57+58+59+60+61+62+63+65
T3	67+78+79+80+81+82+84+88+90+91+96+97+99+100+101+102+103+106+110
T4	112+117+118+120+121+123+125+126+127+130+137+138+140+141+143+144+145 +148+149
T5	150+151+153+158+163+166+168+170+171+172+175+177+178+179+182+183+185 +187+188
T6	190+191+193+194+196+197+198+200+201+205+207+208+210+212+213+215+216 +217+220+224
T7	227+228+229+232+235+239+240+242+243+245+248+249+250+251+253+255+257 +260+263
T8	267+269+272+275+278+280+289+290+292+293+294+297+299+303+305+307+310 +312+319+321
T9	324+325+326+328+331+333+335+337+341+350
T10	1+27+39+76+129+174+219+281+282+283+284+285+286+287+296
T11	2+5+11+18+22
T12	3+4+6+7+9+10+17+21+30+31+32+38+44+45+66+69+71+73+75+83
T13	13+14+15+68+72+87+92+94+114+133+134+135+169+225+254+276+329
T14	70+74+77
T15	85+86+89+93+95+104+105+107+108+109+111+115+116+119+122+131+132+136+ 139+146
T16	128+173
T17	147+152+154+155+156+157+176+180+181+184+186+192+195+199+202+203+204 +206+209+211
T18	159+160+161+162+164+165+258+259+273+274+301+302+306+308+311+314+315 +316+317
T19	214+218+221+222+223+226+230+231+233+234+236+238+241+246+247+252+256 +262+264
T20	266+268+271+277+279+291+298+300+304+309+313+323+332+338+340
T21	295
T22	318+320+322+327+330+336+339+342+343+344+345+346+347+348+349
T23	113+124+167+237+261+265+270+288+334
T24	64
T25	98
T26	142
T27	189
T28	244

Test Result(s):

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

Batch	No.	Test item(s)	CAS No.	Result(s),%			RL (%)
				T4	T5	T6	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%			RL (%)
				T7	T8	T9	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	/

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

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

Batch	No.	Test item(s)	CAS No.	Result(s),%			RL (%)
				T16	T17	T18	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%			RL (%)
				T19	T20	T21	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%		RL (%)
				T22	T23	
/	/	All tested SVHC in candidate list	/	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%		RL (%)
				T24	T25	
XIX	189	Lead	7439-92-1	2.430	1.357	0.010
/	/	Other tested SVHC in candidate list	/	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%		RL (%)
				T26	T27	
XIX	189	Lead	7439-92-1	1.760	3.103	0.010
/	/	Other tested SVHC in candidate list	/	N.D.	N.D.	/

Batch	No.	Test item(s)	CAS No.	Result(s),%		RL (%)
				T28		
XIX	189	Lead	7439-92-1	2.437		0.010
/	/	Other 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-ethylhexyl)oxy]-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	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.050
XIX	186	[®] Disodium octaborate*	12008-41-2	234-541-0	0.010
XIX	187	Dodecamethylcyclohexasiloxane (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	Dioctyltin 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)propane1,3-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	③Orthoboric 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)met hylene]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'-methylenedi-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-diylbis(oxy)]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	^③ 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
XXIX	234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	0.050
XXIX	235	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	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 the representative 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.

Sample photo(s):



Fig.1



Fig.2



Fig.3



Fig.4

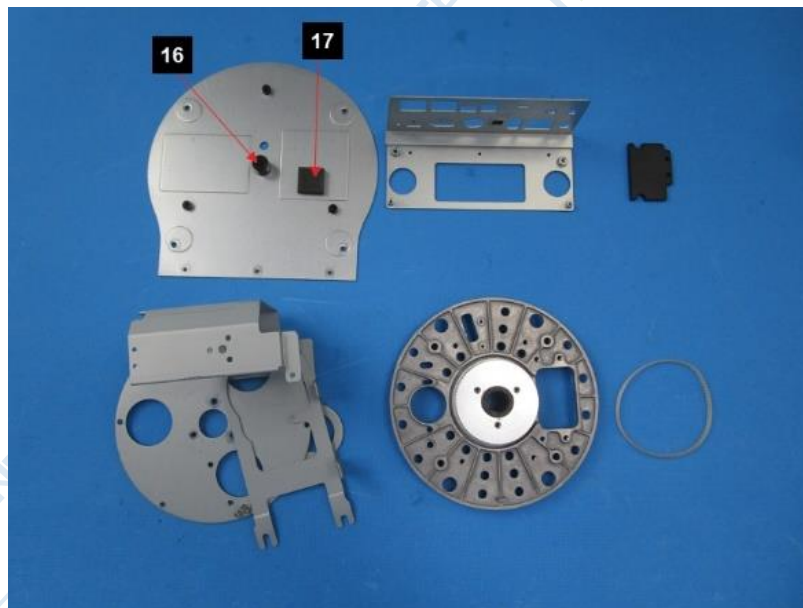


Fig.5



Fig.6

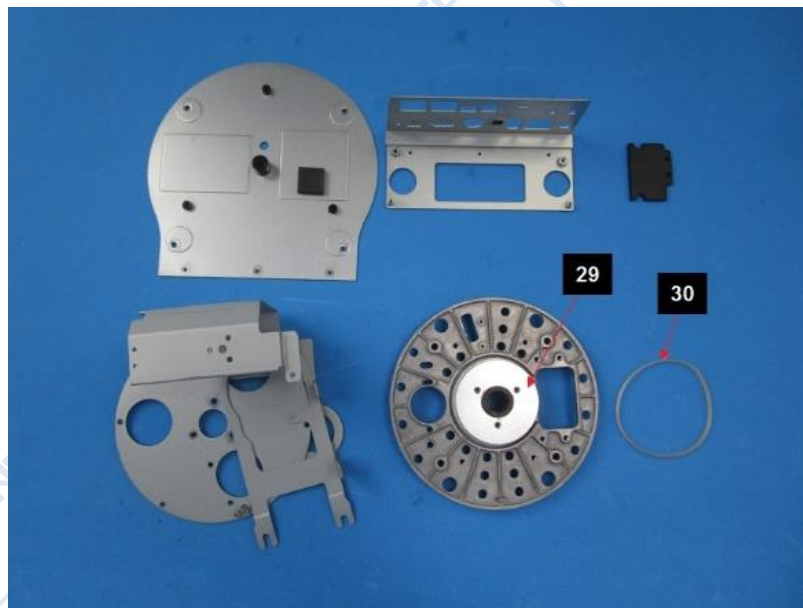


Fig.7



Fig.8



Fig.9

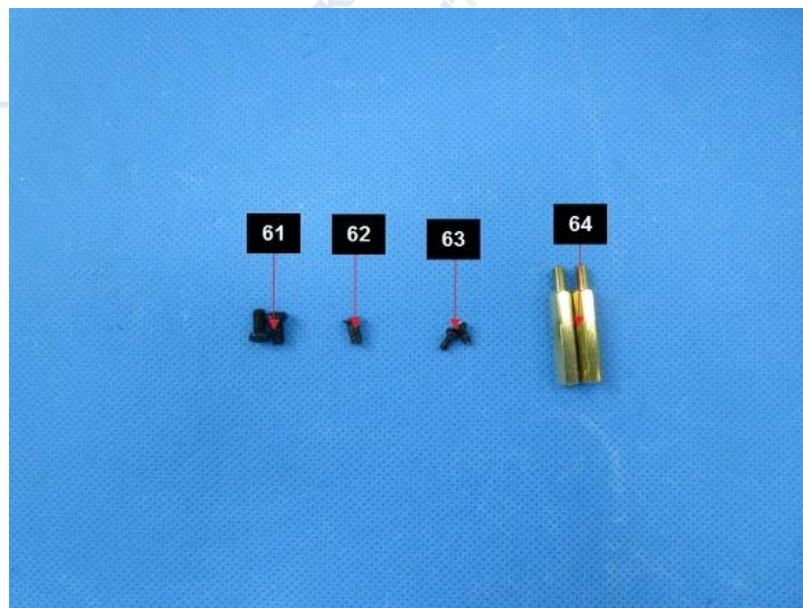


Fig.10

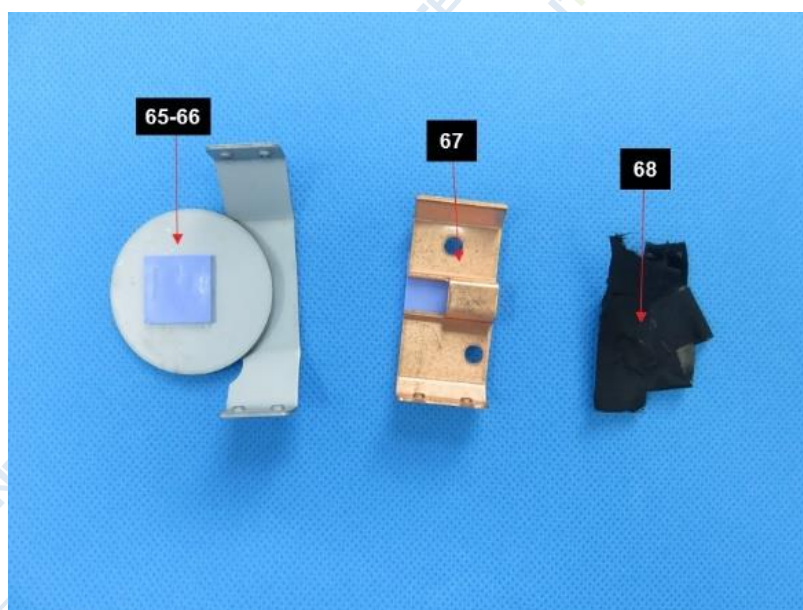


Fig.11



Fig.12

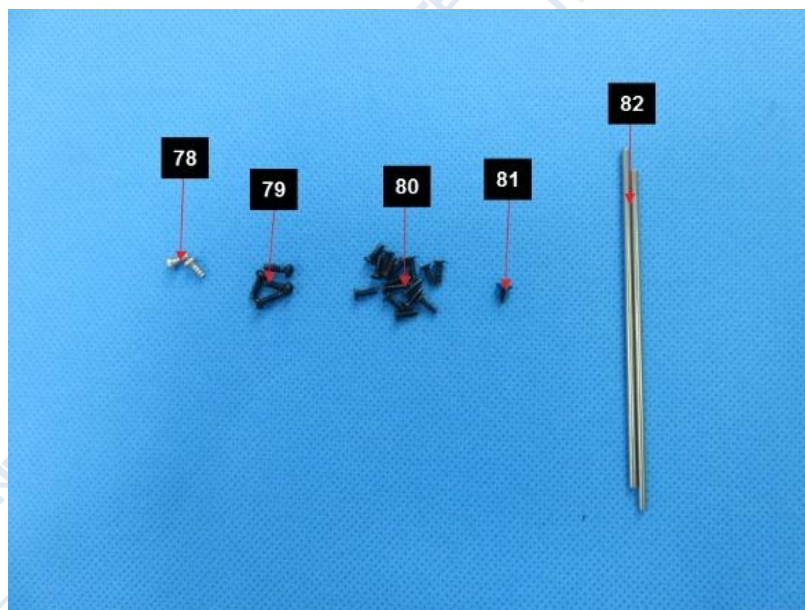


Fig.13



Fig.14

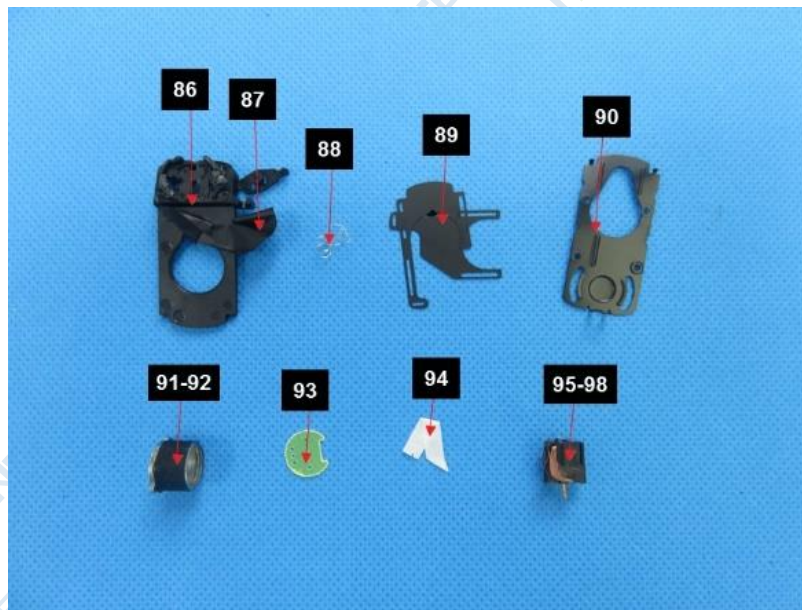


Fig.15

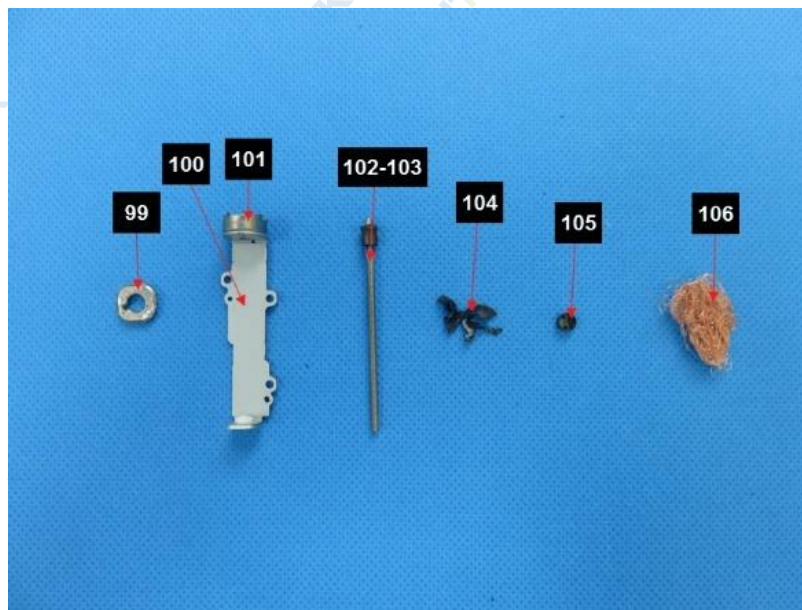


Fig.16

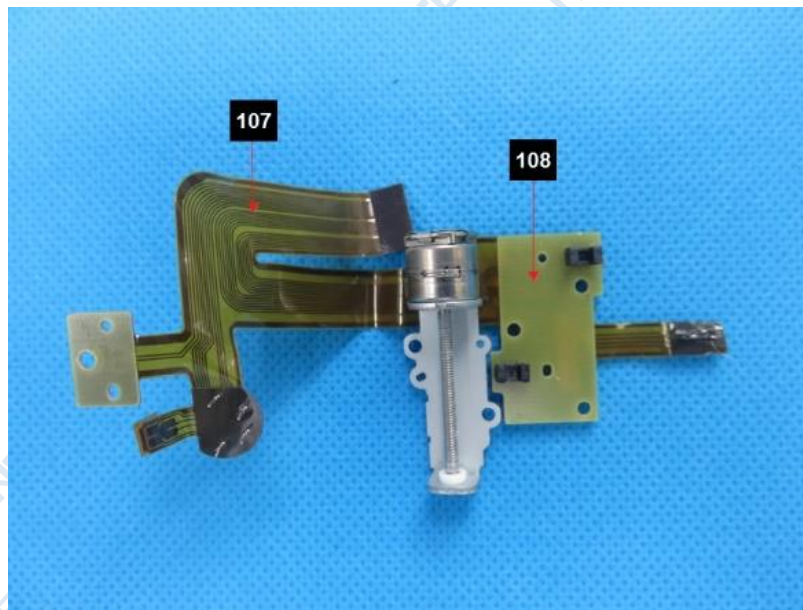


Fig.17

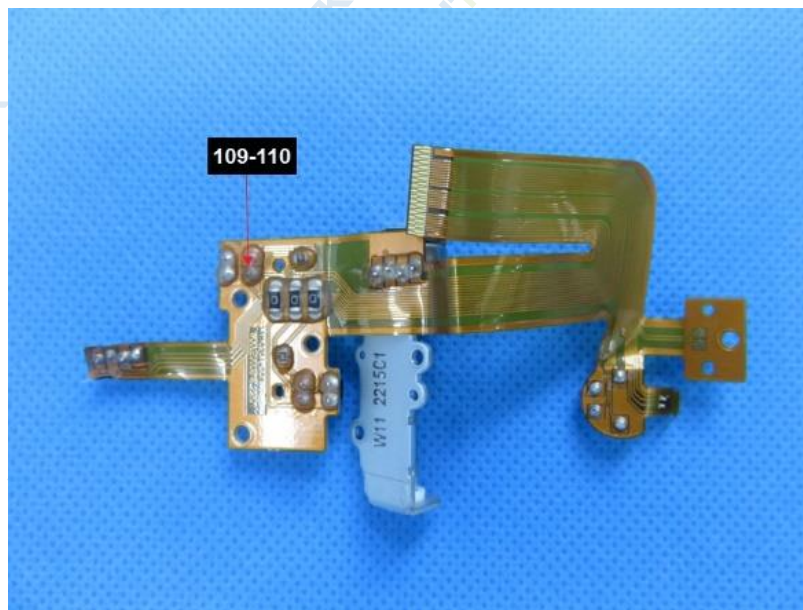


Fig.18

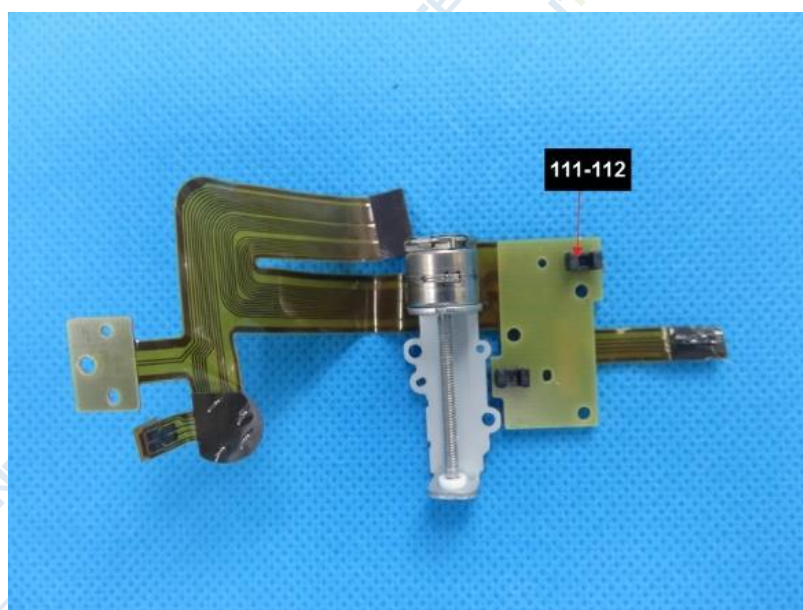


Fig.19

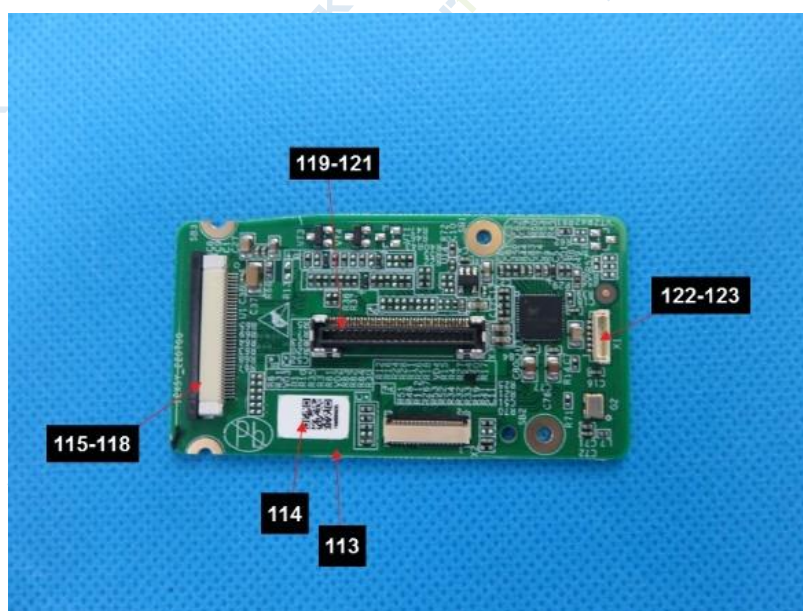


Fig.20



Fig.21

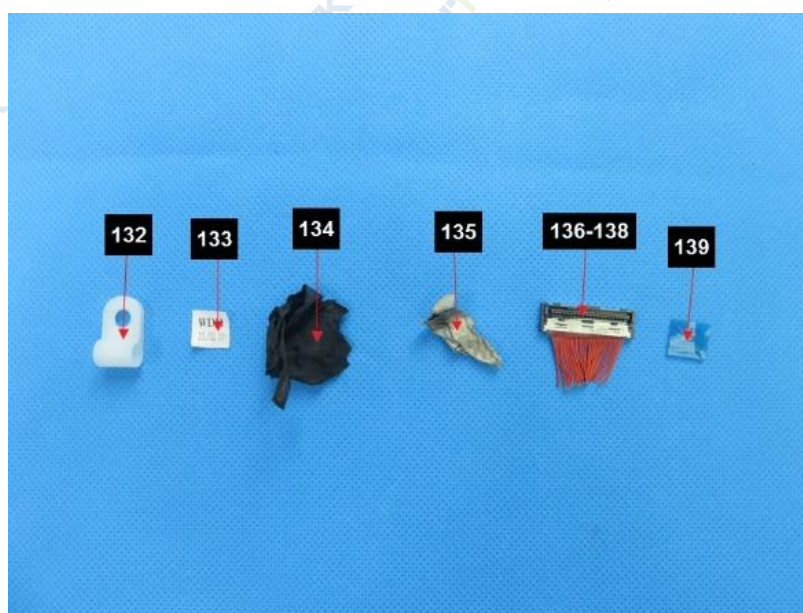


Fig.22

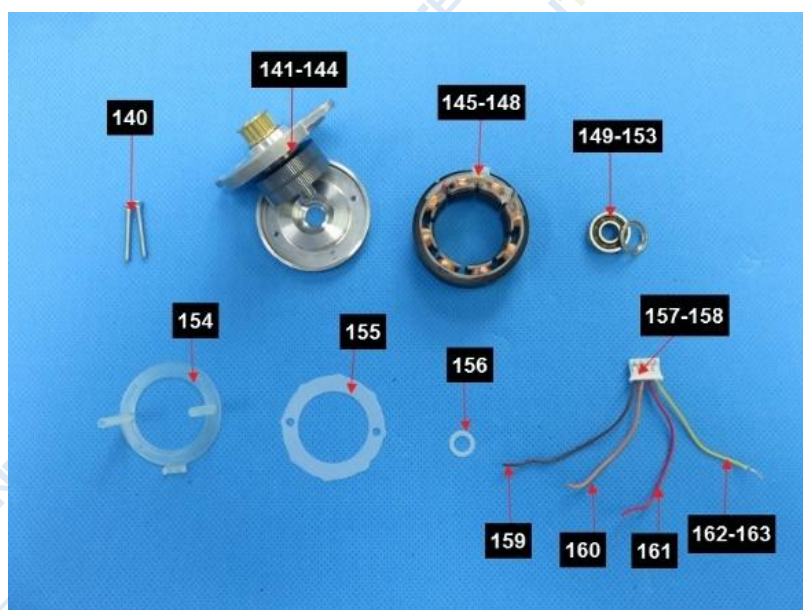


Fig.23

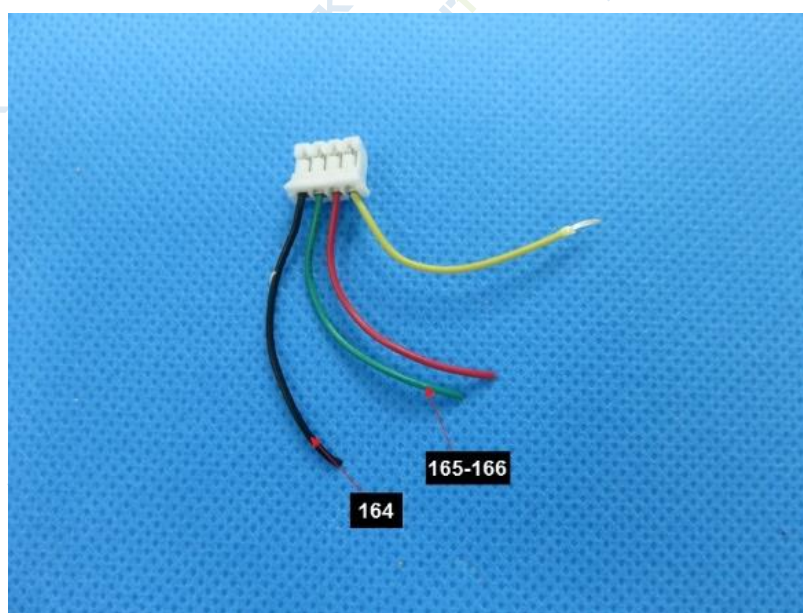


Fig.24

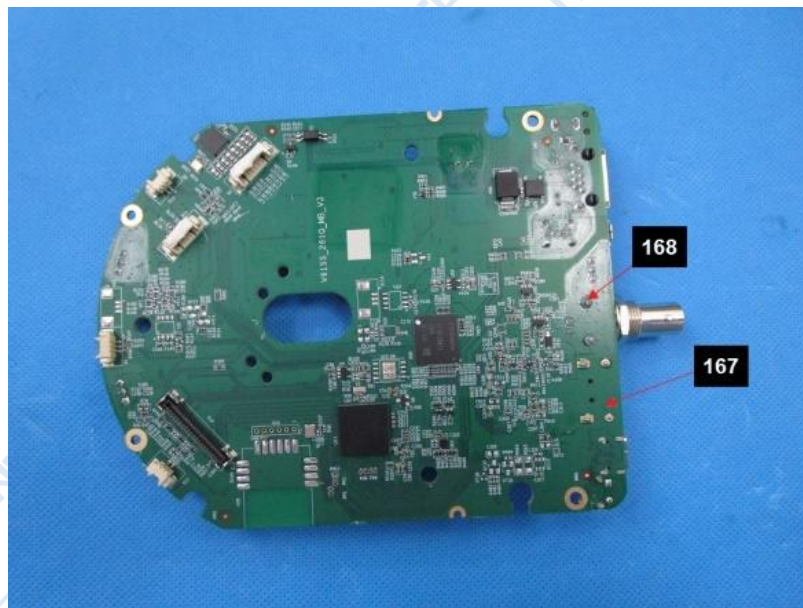


Fig.25

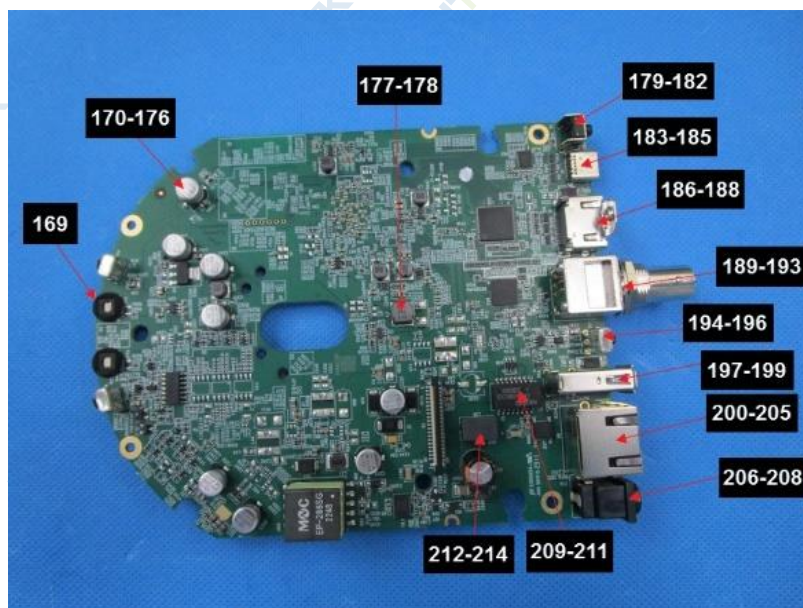


Fig.26



Fig.27



Fig.28

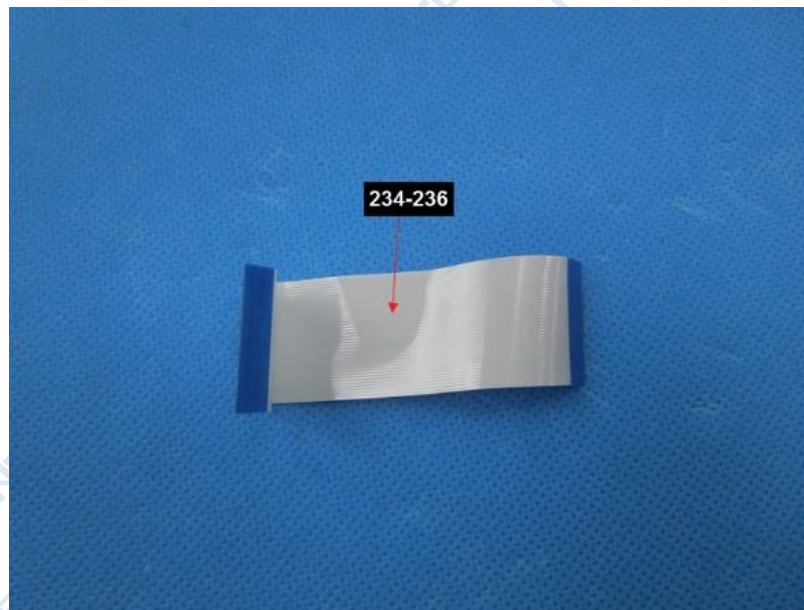


Fig.29

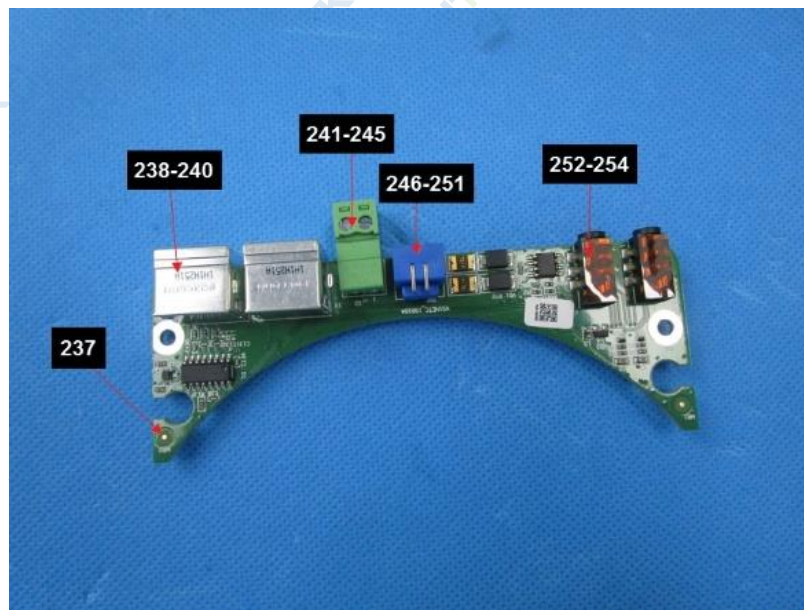


Fig.30

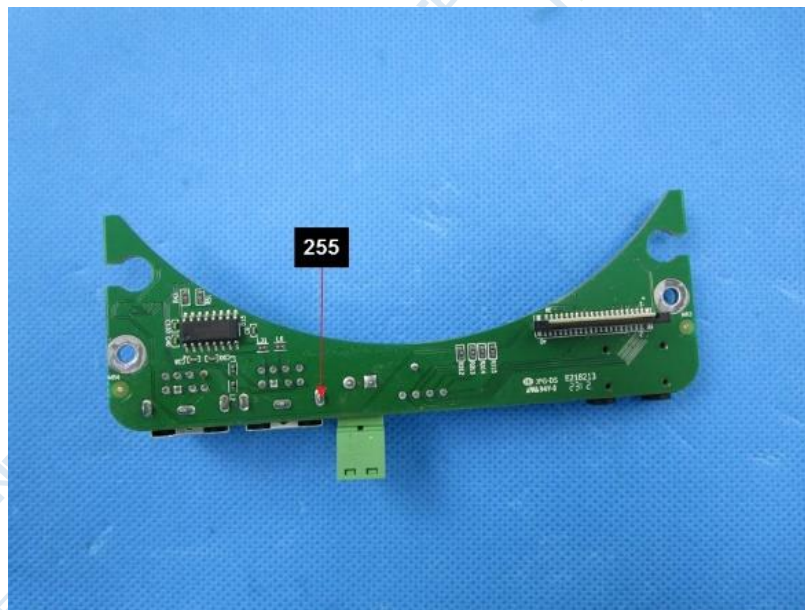


Fig.31



Fig.32

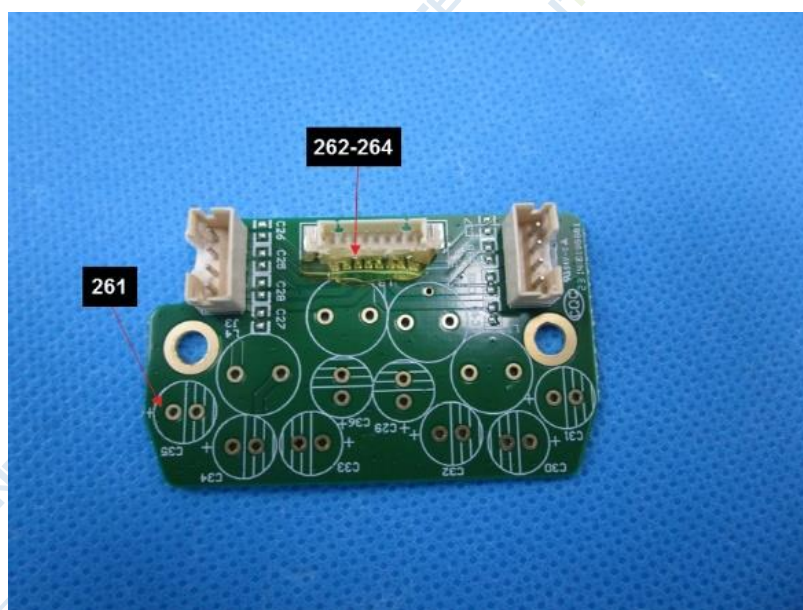


Fig.33

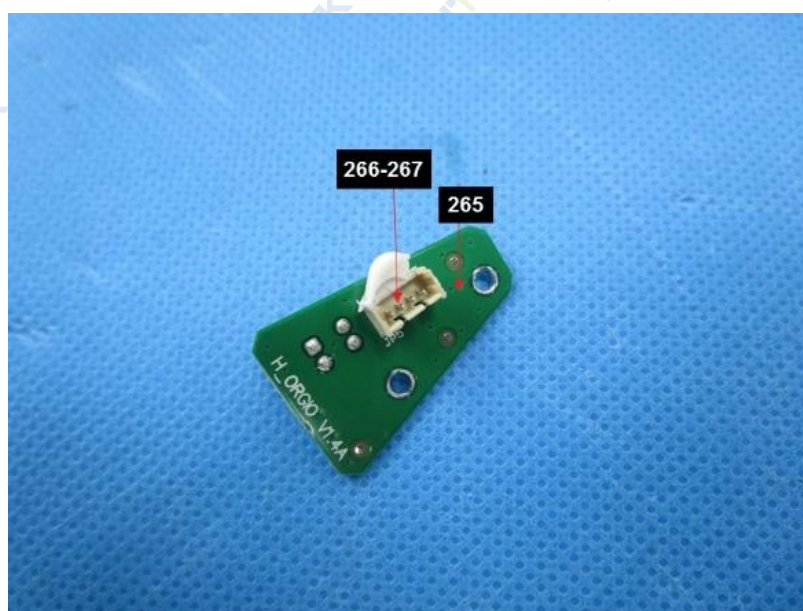


Fig.34

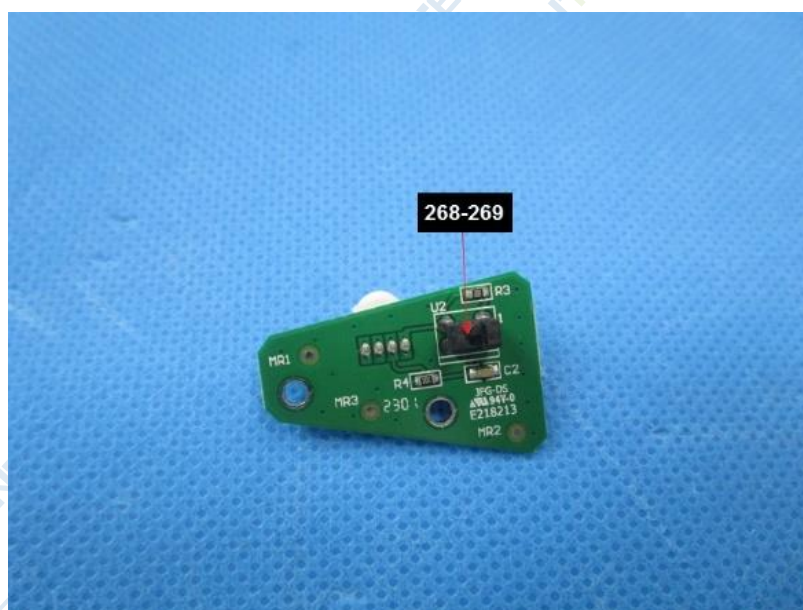


Fig.35



Fig.36

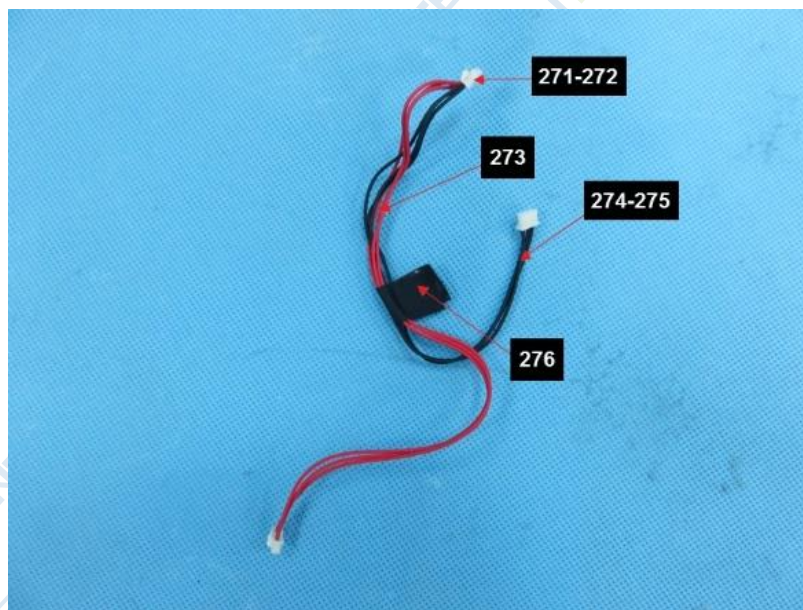


Fig.37



Fig.38

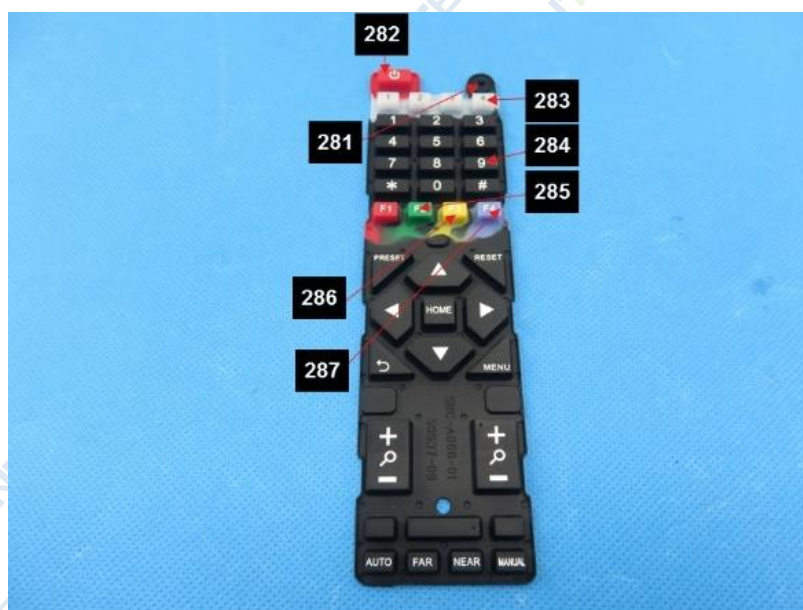


Fig.39

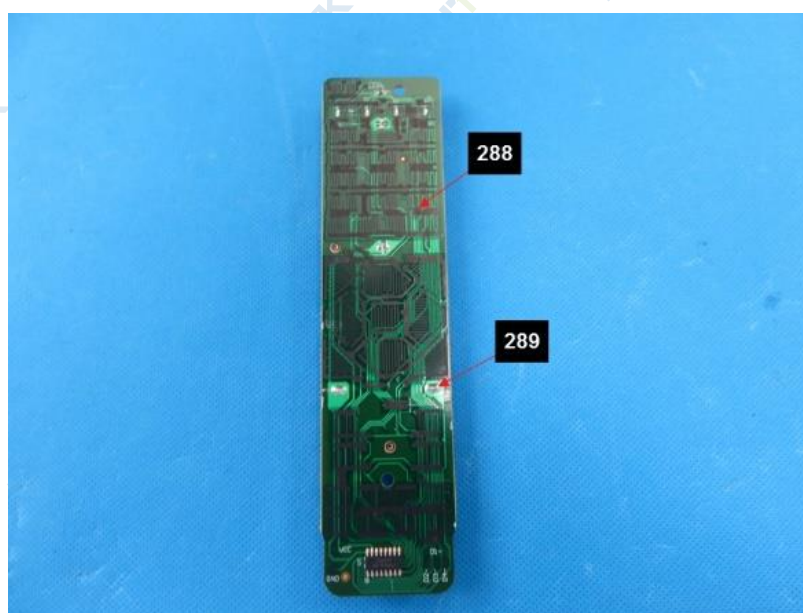


Fig.40

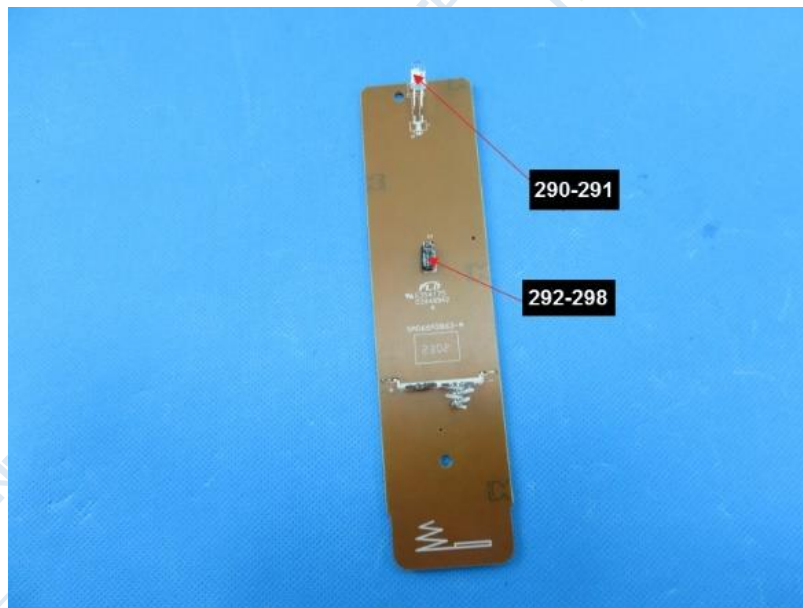


Fig.41



Fig.42



Fig.43

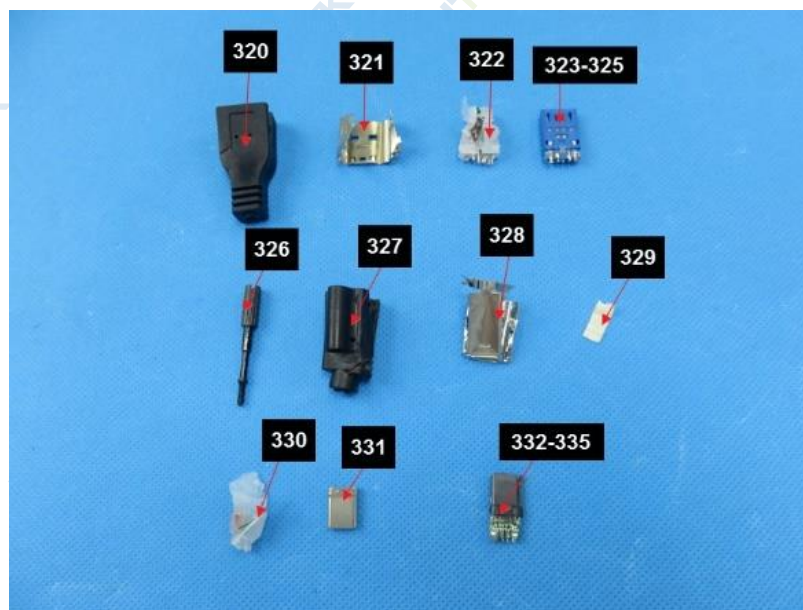


Fig.44



Fig.45

****End of Report****

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