TEST REPORT

LAB NO. : (6624)267-1533
DATE : January 21, 2025

Applicant:
SOLAR X POWER NET WORK TECHNOLOGY (ZHEJIANG) CO., LTD.
NO.278, SHIZHU ROAD, CHENGNAN SUB-DSITRICT, TONGLU COUNTY, HANGZHOU, ZHEJIANG, CHINA

Date of Submission: 2024-9-23/2024-12-25/2025-1-15
Test Period: 2024-9-23 to 2025-1-21
Sample Mode: Sample Presentation
BV EE Ref. No.: SXP-ESH-Q24091001-A0

Sample Description:	Sample(s) received is(are) stated to be: Components of SMART EV CHARGER		
Manufacturer:	/	Buyer:	/
Style No(s):	X3-HAC-22P-L-4G	PO No.:	/
Country of Origin:	/	Country of Destination:	Oversea Country

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH	PASS
The 2 Substances Specified by Client - The Additional Dangerous Substances of Decree No. 2021-1285	PASS

Note: Testing as sample submitted by client, this test report is only responsible for the conformity of the tested items. The client is responsible for the representative and authenticity of the submitted samples.
The tested part of the sample was specified by client.
The test conclusion was given based on the results of tested part.

REMARK
If there are questions or concerns on this report, please contact the following persons:

General enquiry and invoicing: Mr. Speed Yu/ Ms. Cabell Chen
(021) 24166888*6832/6850
Speed.yu @bureauveritas.com/ Cabell.chen@bureauveritas.com

Technical enquiry: Mr. Gorden Yu/ Ken He
(021) 24166888*6852/6859
Gorden.yu @bureauveritas.com/ Kenny.he@bureauveritas.com

BUREAU VERITAS
CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)

Laboratory Test Location:
No.368,Guangzhong Road, Zhuanqiao Town, Minhang, Shanghai
No.168,Guanghua Road, Zhuanqiao Town, Minhang, Shanghai

PREPARED BY : ROXY YU

Connie Ye
Analytical Technical Specialist

Bureau Veritas
Consumer Products Services Division (Shanghai)
No.168, Guanghua Road , Zhuanqiao Town, Minhang, Shanghai, China.
Post Code: 201108
Tel: 86-21-24166888 Fax: 86-21-64890042
Email: bvcps_sh_info@cn.bureauveritas.com
Http: www. bureauveritas.com/cps

This report is governed by, and incorporates by reference, the Conditions of Testing as posted at the date of issuance of this report at http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/ and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. Statements of conformity are based on simple acceptance criteria without taking measurement uncertainty into account, unless otherwise requested in writing. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

Note:

1. The limit of 0.1% (w/w) applies to an article. The results were calculated according to Guidance on requirements for substances in articles Version 4.0 – June 2017,reference to the judgement of the European Court of Justice of 10 September 2015 in case C-106/142 .However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, definition of an article, substance and mixture are:
   - i. Article - An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition
   - ii Substance - A chemical element and its compound in the natural state or obtained by any manufacturing process
   - iii Mixture (Previously known as "Preparation") - A mixture or solution composed of two or more substances
2. In accordance of Article 7 of Regulation (EC) No. 1907/2006 (REACH regulation) – Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meets in criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.
3. In accordance of Article 33 of Regulation (EC) No. 1907/2006 (REACH regulation) – Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in 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. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.
4. If SVHC was detected exceeding 0,1% (w/w) in test group, client is suggested to perform the further separate testing to identify the exact concentration of test items.

Photo of the Submitted Sample



Test Item	Description	Location	Test Group
1	White plastic	Housing	Group 1
2	Silvery plastic		Group 1
3	Black plastic		Group 1
4	Transparent plastic with white coating		Group 1
5	Golden metal	Inside	Group 26
6	Transparent glue		Group 1
7	Black plastic		Group 1
8	Silvery metal screw		Group 30
9	Silvery metal		Group 30
10	Silvery metal		Group 30
11	Silvery metal		Group 30
12	Silvery metal		Group 30
13	Transparent plastic		Group 1
14	White plastic		Group 1
15	Black plastic		Group 1
16	Black glue		Group 1
17	Transparent plastic with black coating		Group 2
18	Black plastic		Group 2
19	Black plastic		Group 2
20	Coppery metal with silvery plating		Group 30
21	Silvery metal		Group 30
22	Black plastic	Wire	Group 2
23	Black plastic		Group 10
24	Black plastic		Group 2
25	Black plastic		Group 10
26	Black plastic		Group 10
27	Black plastic		Group 2
28	Black plastic		Group 10
29	Black plastic		Group 2
30	Silvery metal screw		Group 30
31	Black plastic		Group 10
32	Golden metal with silvery plating		Group 30
33	Golden metal with silvery plating		Group 30
34	Silvery metal		Group 31
35	Golden metal with grey plating		Group 27
36	Black plastic		Group 2
37	Black plastic		Group 2
38	Black plastic		Group 11
39	Black plastic		Group 11
40	Black plastic		Group 11
41	Black plastic cable jacket		Group 11
42	White fabric		Group 2
43	White fabric		Group 3
44	Yellow and green plastic wire jacket		Group 12
45	Grey plastic wire jacket		Group 12
46	Brown plastic wire jacket		Group 12
47	Blue plastic wire jacket		Group 12
48	Black plastic wire jacket		Group 12
49	Black plastic wire jacket	Wire	Group 13

Test Item	Description	Location	Test Group
50	White plastic wire jacket		Group 13
51	Orange plastic wire jacket		Group 13
52	Blue resistor		Group 24
53	Silvery metal solder		NA
54	Black plastic wire jacket		Group 13
55	Coppery metal		Group 31
56	Black plastic		Group 11
57	Coppery metal with silvery plating		Group 31
58	White fabric		Group 3
59	White plastic		Group 13
60	White plastic		Group 3
61	Coppery metal with silvery plating		Group 31
62	Green plastic wire jacket		Group 14
63	Yellow plastic wire jacket		Group 14
64	Grey plastic wire jacket		Group 14
65	Purple plastic wire jacket		Group 14
66	Red plastic wire jacket		Group 14
67	Grey plastic wire jacket		Group 15
68	Black plastic wire jacket		Group 15
69	Blue plastic wire jacket		Group 15
70	Black plastic wire jacket		Group 15
71	Brown plastic wire jacket		Group 15
72	White plastic wire jacket		Group 16
73	Yellow plastic wire jacket		Group 16
74	Green plastic wire jacket		Group 16
75	Blue plastic wire jacket		Group 16
76	Orange plastic wire jacket		Group 16
77	Red plastic wire jacket		Group 17
78	Brown plastic		Group 17
79	Gey plastic wire jacket		Group 17
80	Black plastic		Group 3
81	Black plastic		Group 17
82	Yellow plastic		Group 3
83	Red plastic		Group 3
84	White plastic		Group 3
85	Silvery metal screw		Group 31
86	Silvery metal		Group 31
87	Silvery metal spring		Group 31
88	Black plastic		Group 17
89	Translucent plastic		Group 18
90	Translucent plastic		Group 18
91	Silvery metal		Group 31
92	Blue plastic		Group 3
93	White plastic		Group 3
94	Blue plastic		Group 3
95	Golden metal		Group 31
96	Silvery metal solder		NA
97	White plastic wire jacket		Group 18
98	Black plastic wire jacket		Group 18

Test Item	Description	Location	Test Group
99	Red plastic wire jacket	Wire	Group 18
100	Golden metal with silvery plating		Group 31
101	Coppery metal contact point with golden plating		Group 32
102	Silvery metal spring		Group 32
103	Silvery metal spring		Group 32
104	White plastic	PCB	Group 4
105	Beige plastic		Group 4
106	Golden metal with silvery plating		Group 32
107	Black plastic		Group 4
108	Golden metal		Group 32
109	Green PCB		Group 24
110	Silvery metal solder		NA
111	Silvery metal solder		NA
112	Golden metal with silvery plating		Group 32
113	Blue plastic		Group 4
114	Black glue		Group 4
115	Black plastic		Group 4
116	Yellow plastic		Group 4
117	Golden metal with silvery plating		Group 32
118	Coppery metal		Group 32
119	Golden metal		Group 32
120	Coppery metal		Group 32
121	Coppery metal contact point with silvery plating		Group 33
122	Black plastic		Group 4
123	Silvery metal solder		NA
124	Silvery metal		Group 33
125	Silvery metal		Group 33
126	Coppery metal		Group 33
127	Black plastic		Group 4
128	Coppery metal		Group 33
129	Coppery metal contact point with silvery plating		Group 33
130	Coppery metal		Group 33
131	Coppery metal		Group 33
132	Coppery metal contact point with silvery plating		Group 33
133	Silvery metal		Group 33
134	Silvery metal		Group 34
135	White plastic		Group 4
136	White ceramic		Group 25
137	White glue		Group 5
138	Blue capacitor		Group 24
139	Black plastic		Group 5
140	Coppery metal with silvery plating		Group 34
141	Silvery metal		Group 34
142	Black magnet		Group 25
143	Black plastic		Group 5
144	Coppery metal		Group 34

Test Item	Description	Location	Test Group
145	Brown plastic		Group 5
146	Brown glue		Group 5
147	Green magnet		Group 25
148	Grey plastic		Group 5
149	Black glue	PCB	Group 5
150	Silvery metal		Group 34
151	Silvery metal solder		NA
152	Blue plastic		Group 5
153	Black plastic		Group 5
154	Golden metal		Group 34
155	Brown chip capacitor		Group 24
156	Black chip resistor		Group 24
157	Black EC		Group 24
158	Black plastic		Group 5
159	Black plastic		Group 6
160	Red plastic		Group 6
161	Black plastic		Group 6
162	Silvery metal solder		NA
163	White plastic		Group 6
164	Silvery metal		Group 34
165	Black plastic		Group 6
166	White plastic		Group 6
167	Black plastic		Group 6
168	White plastic		Group 6
169	Silvery metal solder		NA
170	Silvery metal solder		NA
171	Silvery metal solder		NA
172	Coppery metal contact point with silvery plating		Group 34
173	Coppery metal contact point with golden plating		Group 34
174	Silvery metal		Group 34
175	Black plastic		Group 19
176	Black plastic		Group 6
177	Silvery metal		Group 35
178	Silvery metal		Group 35
179	Silvery metal		Group 35
180	White paper		Group 6
181	Silvery metal solder		NA
182	Black plastic		Group 7
183	Golden metal		Group 28
184	Silvery metal solder		NA
185	Black plastic		Group 7
186	Black glue		Group 7
187	Black magnet		Group 25
188	Silvery metal		Group 35
189	Silvery metal		Group 35
190	Coppery metal		Group 35
191	Silvery metal solder		NA

Test Item	Description	Location	Test Group
192	White LED		Group 24
193	Black EC		Group 24
194	Silvery metal solder		NA
195	Silvery metal solder		NA
196	Silvery metal		Group 35
197	Silvery metal		Group 35
198	White plastic		Group 7
199	White plastic	PCB	Group 7
200	Transparent plastic		Group 7
201	White plastic		Group 7
202	Silvery plastic		Group 7
203	Translucent plastic		Group 7
204	Brown PCB		Group 24
205	Silvery metal solder		NA
206	Grey glass		Group 25
207	Grey plastic		Group 7
208	Black plastic	Housing	Group 8
209	Black plastic		Group 19
210	Red plastic		Group 19
211	Black plastic		Group 19
212	Black plastic		Group 8
213	Black plastic		Group 19
214	Black plastic		Group 20
215	Black plastic		Group 20
216	Black plastic		Group 8
217	White plastic		Group 8
218	Coppery metal with silvery plating		Group 35
219	Black plastic		Group 8
220	Golden metal		Group 29
221	White plastic		Group 8
222	Silvery metal screw		Group 35
223	Coppery metal with silvery plating		Group 36
224	Silvery metal screw		Group 36
225	Red plastic		Group 20
226	Black coating		Group 8
227	Silvery metal		Group 36
228	Black plastic		Group 8
229	Black plastic		Group 8
230	Silvery metal solder		NA
231	Black plastic		Group 8
232	Transparent plastic		Group 9
233	Golden metal with silvery plating		Group 36
234	Black plastic		Group 9
235	Black plastic		Group 9
236	Golden metal with silvery plating		Group 36
237	Silvery metal solder		NA
238	White plastic		Group 9
239	Grey magnet		Group 25
240	Silvery metal		Group 36

Test Item	Description	Location	Test Group
241	Silvery metal solder		NA
242	Transparent plastic		Group 20
243	Black plastic		Group 20
244	Coppery metal		Group 36
245	Yellow plastic wire jacket		Group 21
246	Yellow plastic wire jacket		Group 21
247	Blue plastic wire jacket		Group 21
248	Red plastic wire jacket		Group 21
249	Black plastic wire jacket		Group 21
250	Brown plastic wire jacket		Group 22
251	Green plastic wire jacket		Group 22
252	Green plastic wire jacket		Group 22
253	Red plastic wire jacket		Group 22
254	Black plastic		Group 23
255	Black plastic cable jacket		Group 23
256	Black plastic	Housing	Group 23
257	White plastic		Group 9
258	Silvery metal solder		NA
259	White plastic with colorful printing		Group 9
260	Golden metal		Group 36
261	Black PCB		Group 24
262	Silvery metal solder		NA
263	Black plastic wire jacket		Group 22

TEST RESULT

Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH

Method: Analysis is based on GC, LC, IC, ICP and UV, with various detection techniques.

Maximum Allowable Limit:	0.1% (Each of listed)

Test Group 1:	Hard plastic group	Test Item:	1+2+3+4+6+7+13+14 +15+16

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 2:	Hard plastic group	Test Item:	17+18+19+22+24+27+ 29+36+37+42

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 3:	Hard plastic group	Test Item:	43+58+60+80+82+83 +84+92+93+94

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 4:	Hard plastic group	Test Item:	104+105+107+113+114+ 115+116+122+127+135

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 5:	Hard plastic group	Test Item:	137+139+143+145+146+148+149+152+153+158

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 6:	Hard plastic group	Test Item:	159+160+161+163+165+166+167+168+176+180

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 7:	Hard plastic group	Test Item:	182+185+186+198+199+200+201+202+203

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
Bumetrizole	0.008	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Separate testing on the test item(s) has been performed, details are as following.

Separate test data list			
Test Item	Description	Detected Substances (%)	
		2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	Bumetrizole
182	Hard plastic	< 0.005	< 0.005
185	Hard plastic	< 0.005	< 0.005
186	Hard plastic	< 0.005	< 0.005
198	Hard plastic	< 0.005	< 0.005
199	Hard plastic	< 0.005	< 0.005
200	Hard plastic	< 0.005	< 0.005
201	Hard plastic	< 0.005	< 0.005
202	Hard plastic	< 0.005	< 0.005
203	Hard plastic	< 0.005	< 0.005

Test Group 8:	Hard plastic group	Test Item:	208+212+216+217+219+221+226+228+229+231

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 9:	Hard plastic group	Test Item:	232+234+235+238+257+259

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 10:	Soft plastic group	Test Item:	23+25+26+28+31

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 11:	Soft plastic group	Test Item:	38+39+40+41+56

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 12:	Soft plastic group	Test Item:	44+45+46+47+48

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 13:	Soft plastic group	Test Item:	49+50+51+54+59

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 14:	Soft plastic group	Test Item:	62+63+64+65+66

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 15:	Soft plastic group	Test Item:	67+68+69+70+71

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 16:	Hard plastic group	Test Item:	72+ 73+74+75+76

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 17:	Soft plastic group	Test Item:	77+78+79+81+88

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
Dibutyl phthalate (DBP)	0.012	PASS

Test Group 18:	Soft plastic group	Test Item:	89+90+97+98+99

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 19:	Soft plastic group	Test Item:	175+209+210 [R1]+211 [R1]+ 213

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 20:	Soft plastic group	Test Item:	214+215+225+242+243

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 21:	Soft plastic group	Test Item:	245+246+247+248+249

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 22:	Soft plastic group	Test Item:	250+251+252+253+263

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 23:	Soft plastic group	Test Item:	254+255+256

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 24:	PCB/EC group	Test Item:	52+109+138+155+156+ 157+192+193+204+261

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Barium diboron tetraoxide* have not been added in the production process.

Test Group 25:	Ceramic group	Test Item:	136+142+147+187+206+ 239

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

- The client declared the Boric acid* / Disodium tetraborate, anhydrous* / Tetraboron disodium heptaoxide, hydrate* / Disodium octaborate*/ Orthoboric acid, sodium salt*Barium diboron tetraoxide* have not been added in the production process.

Test Group 26:	Golden metal	Test Item:	5[R1]

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 27:	Golden metal with grey plating	Test Item:	35 [R1]

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 28:	Golden metal	Test Item:	183 [R1]

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 29:	Golden metal	Test Item:	220 [R1]

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 30:	Metal group	Test Item:	8+9+10+11+12+20+21+ 30+32+33

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 31:	Metal group	Test Item:	34+55+57+61+85+86 +87+91+95+100

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 32:	Metal group	Test Item:	101+102+103+106+108+ 112+117+118+119+120

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 33:	Metal group	Test Item:	121+124+125+126+128+129+130+131+132+133

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 34:	Metal group	Test Item:	134+140+141+144+150+154+164+172+173+174

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 35:	Metal group	Test Item:	177+178+179+188+189+190+196+197+218+222

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 36:	Metal group	Test Item:	223+224 R2+227+233+236+240+244+260

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Remark:

ND = Not Detected Conc. = Concentration
mg/kg = milligram per kilogram % = percentage 1 mg/kg = 0.0001%
Detection Limit (%): See Appendix.
The detected SVHC and its value will be shown in above table, the else SVHC not shown in the table will be regarded as ND. When all SVHC for test are not detected, it will be shown ND.
R1=2024-12-25 second submission
R2=2025-1-15 third submission

TEST RESULT

The 2 Substances Specified by Client - The Additional Dangerous Substances of Decree No. 2021-1285

Method: Analysis is based on GC, LC, IC, ICP and UV, with various detection techniques.

Maximum Allowable Limit:	**0.1% (Each of listed)**

Test Group 1:	Hard plastic group	**Test Item:**	1+2+3+4+6+7+13+14 +15+16

Result		**Conclusion**
Detected Analyte(s)	**Conc. (%)**	
ND	ND	PASS

Test Group 2:	Hard plastic group	**Test Item:**	17+18+19+22+24+27+ 29+36+37+42

Result		**Conclusion**
Detected Analyte(s)	**Conc. (%)**	
ND	ND	PASS

Test Group 3:	Hard plastic group	**Test Item:**	43+58+60+80+82+83 +84+92+93+94

Result		**Conclusion**
Detected Analyte(s)	**Conc. (%)**	
ND	ND	PASS

Test Group 4:	Hard plastic group	**Test Item:**	104+105+107+113+114+ 115+116+122+127+135

Result		**Conclusion**
Detected Analyte(s)	**Conc. (%)**	
ND	ND	PASS

Test Group 5:	Hard plastic group	**Test Item:**	137+139+143+145+146+ 148+149+152+153+158

Result		**Conclusion**
Detected Analyte(s)	**Conc. (%)**	
ND	ND	PASS

Test Group 6:	Hard plastic group	Test Item:	159+160+161+163+165+166+167+168+176+180

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 7:	Hard plastic group	Test Item:	182+185+186+198+199+200+201+202+203

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 8:	Hard plastic group	Test Item:	208+212+216+217+219+221+226+228+229+231

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 9:	Hard plastic group	Test Item:	232+234+235+238+257+259

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 10:	Soft plastic group	Test Item:	23+25+26+28+31

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 11:	Soft plastic group	Test Item:	38+39+40+41+56

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 12:	Soft plastic group	Test Item:	44+45+46+47+48

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 13:	Soft plastic group	Test Item:	49+50+51+54+59

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 14:	Soft plastic group	Test Item:	62+63+64+65+66

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 15:	Soft plastic group	Test Item:	67+68+69+70+71

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 16:	Hard plastic group	Test Item:	72+ 73+74+75+76

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 17:	Soft plastic group	Test Item:	77+78+79+81+88

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 18:	Soft plastic group	Test Item:	89+90+97+98+99

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 19:	Soft plastic group	Test Item:	175+209+210 R1+211 R1+213

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 20:	Soft plastic group	Test Item:	214+215+225+242+243

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 21:	Soft plastic group	Test Item:	245+246+247+248+249

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 22:	Soft plastic group	Test Item:	250+251+252+253+263

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 23:	Soft plastic group	Test Item:	254+255+256

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 24:	PCB/EC group	Test Item:	52+109+138+155+156+157+192+193+204+261

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 25:	Ceramic group	Test Item:	136+142+147+187+206+239

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 26:	Golden metal	Test Item:	5 R1

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 27:	Golden metal with grey plating	Test Item:	35 R1

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 28:	Golden metal	Test Item:	183 R1

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 29:	Golden metal	Test Item:	220 R1

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 30:	Metal group	Test Item:	8+9+10+11+12+20+21+ 30+32+33

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 31:	Metal group	Test Item:	34+55+57+61+85+86 +87+91+95+100

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 32:	Metal group	Test Item:	101+102+103+106+108+ 112+117+118+119+120

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 33:	Metal group	Test Item:	121+124+125+126+128+129+130+131+132+133

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 34:	Metal group	Test Item:	134+140+141+144+150+154+164+172+173+174

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 35:	Metal group	Test Item:	177+178+179+188+189+190+196+197+218+222

Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

Test Group 36:	Metal group	Test Item:	223+224 R2+227+233+236+240+244+260

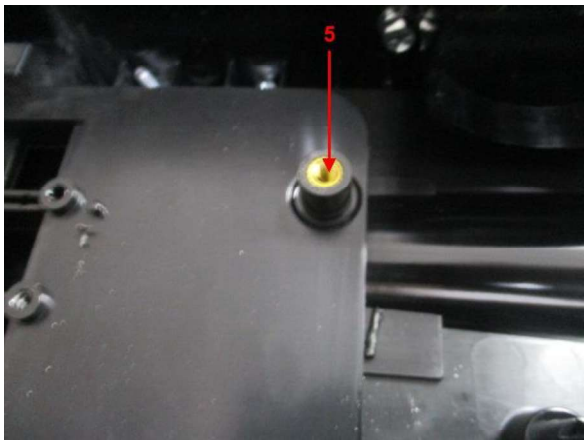
Result		Conclusion
Detected Analyte(s)	Conc. (%)	
ND	ND	PASS

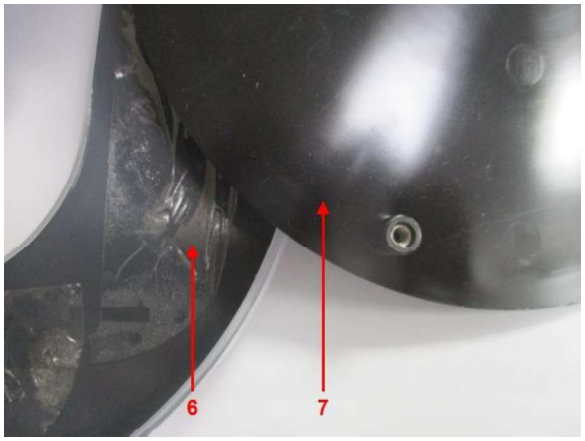
Remark:

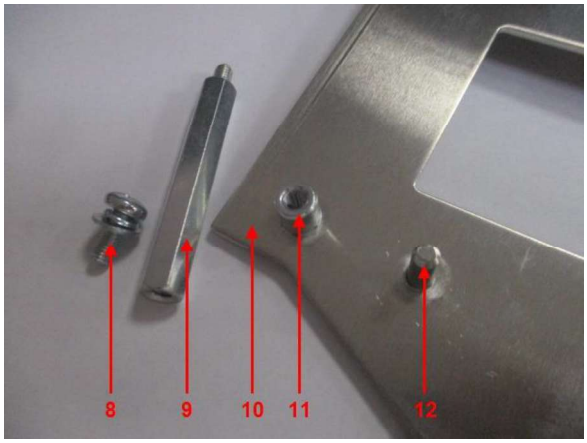
ND = Not Detected Conc. = Concentration
mg/kg = milligram per kilogram % = percentage 1 mg/kg = 0.0001%
Detection Limit (%): See Appendix.
The detected SVHC and its value will be shown in above table, the else SVHC not shown in the table will be regarded as ND. When all SVHC for test are not detected, it will be shown ND.
R1=2024-12-25 second submission
R2=2025-1-15 third submission

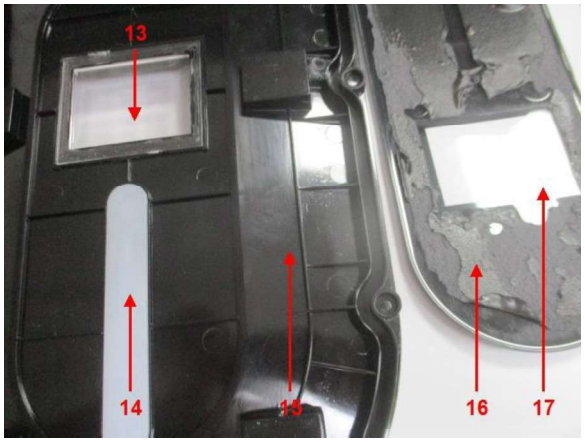
Photograph depicting Test Item(s)

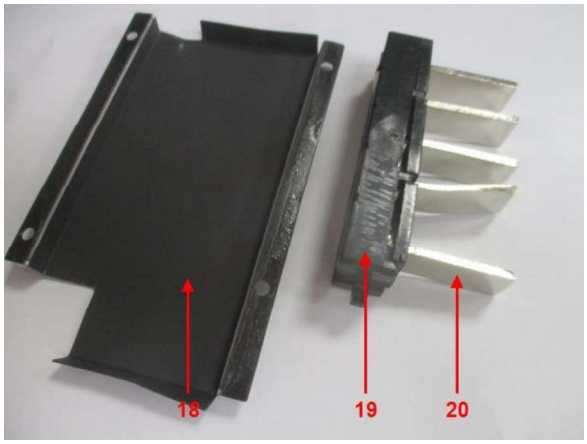


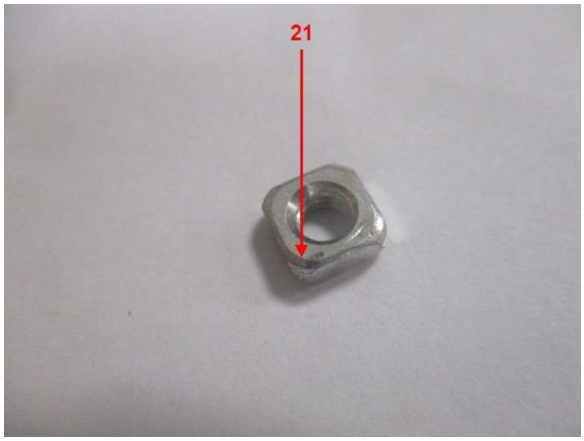










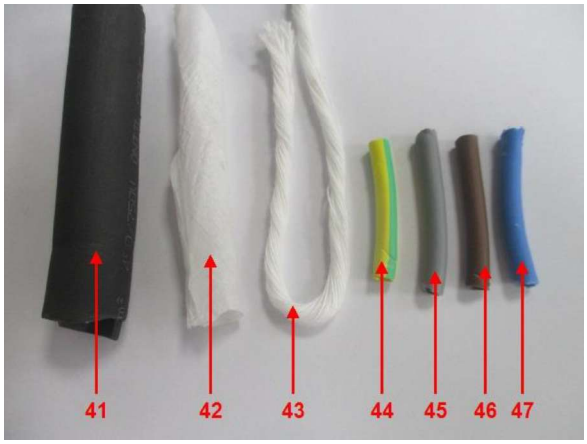

21

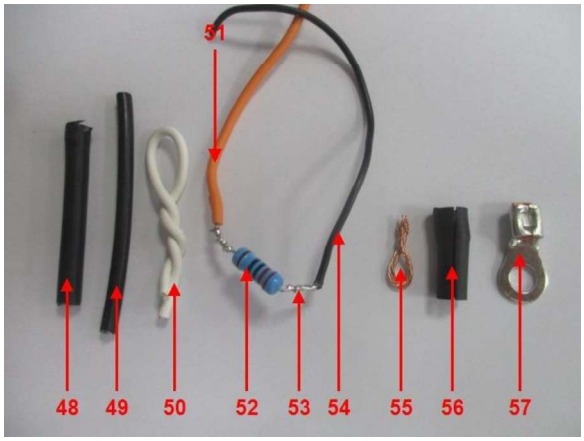

22
23
24
25
26
27
28

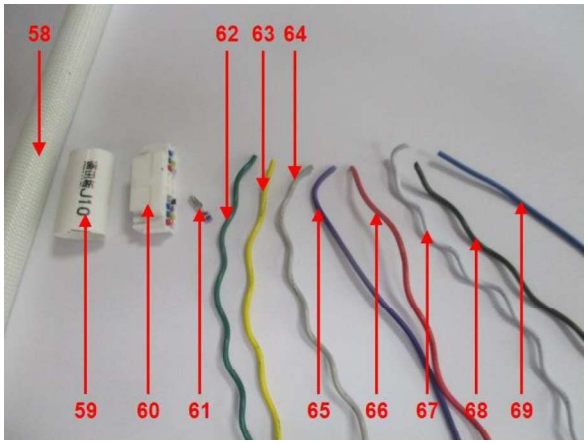

29
30
31
32
33
34
35

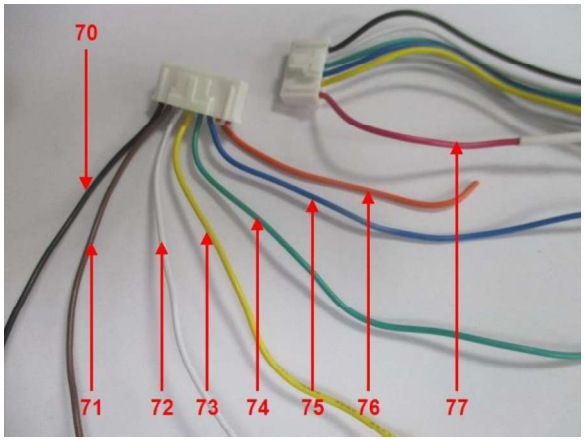

36
37
38
39

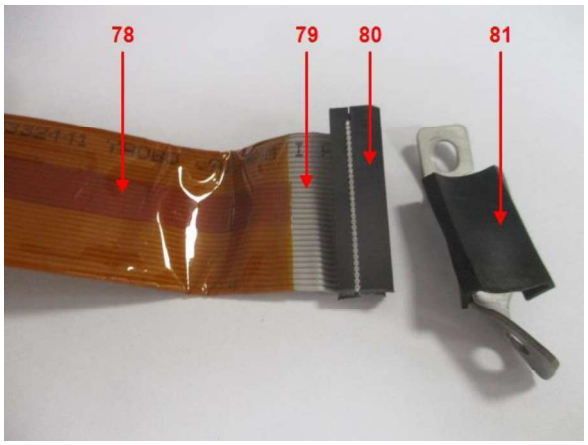

40

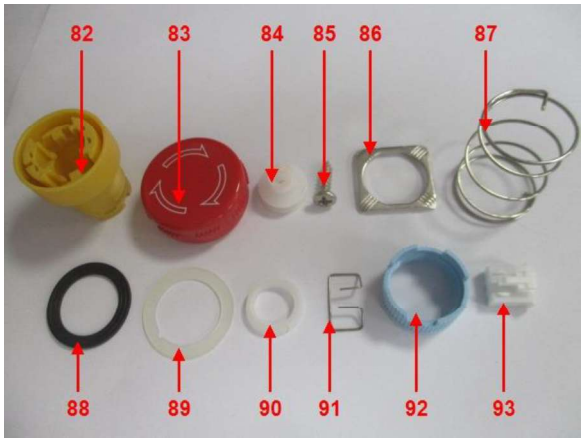

41
42
43
44
45
46
47

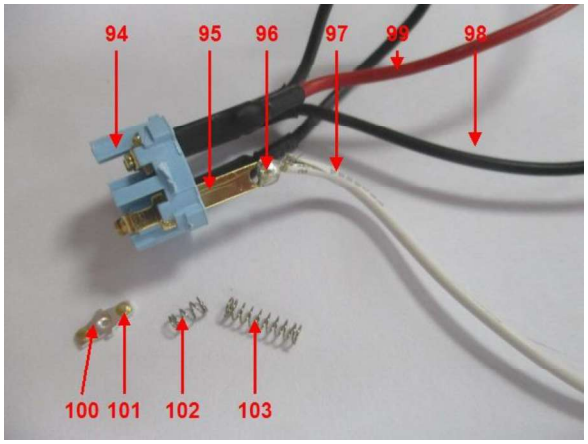

51
48
49
50
52
53
54
55
56
57

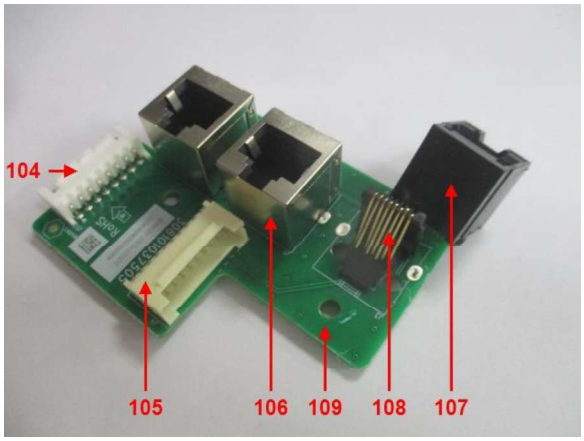

58
62
63
64
59
60
61
65
66
67
68
69

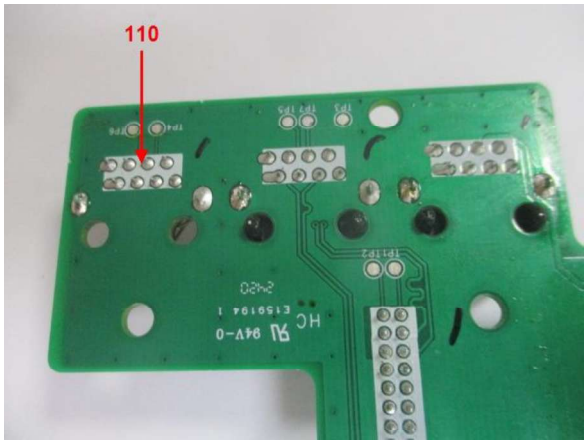

70
71
72
73
74
75
76
77

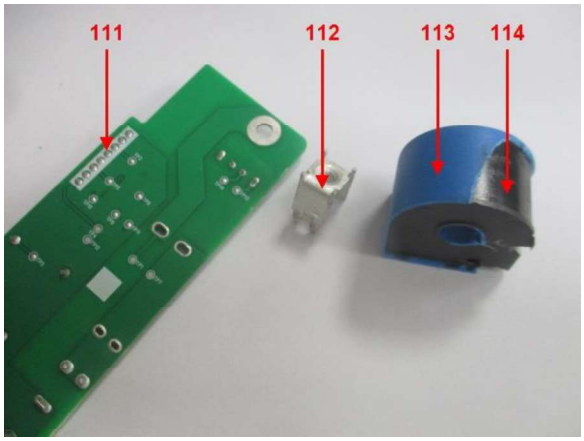

78
79
80
81

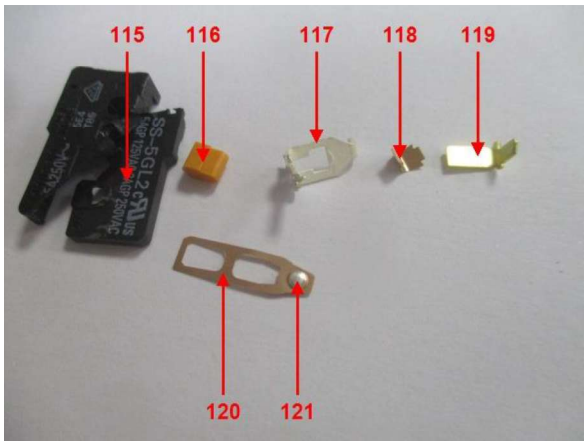

82
83
84
85
86
87
88
89
90
91
92
93


94
95
96
97
98
100
101
102
103

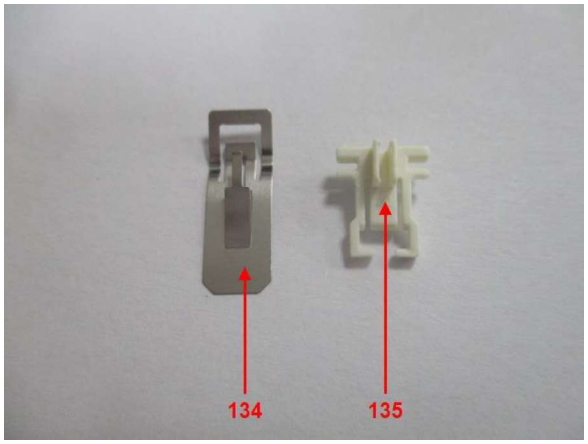

104
105
106
109
108
107

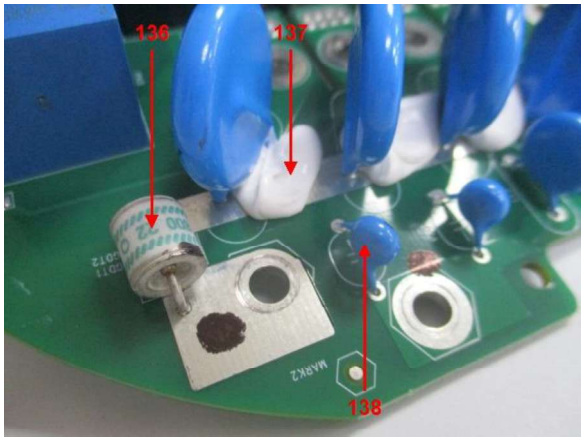

110

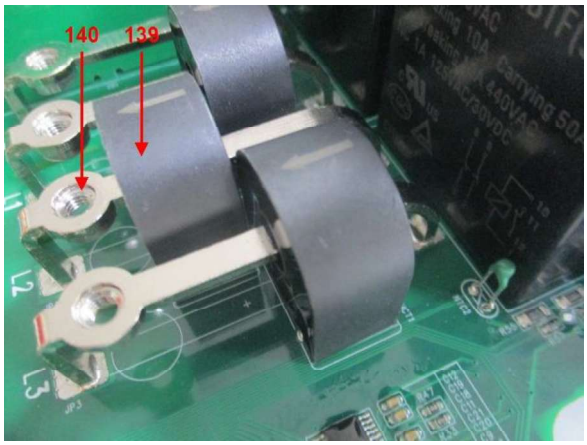

111
112
113
114

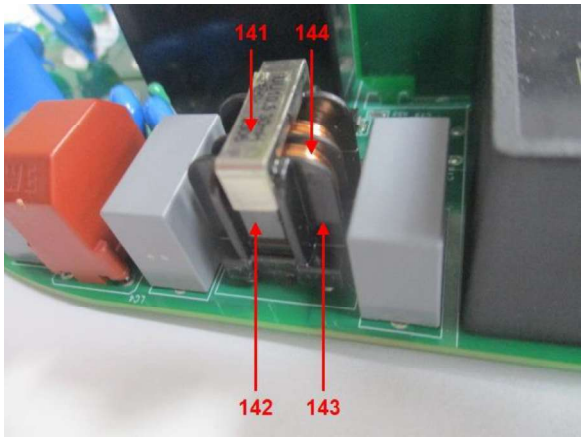

115
116
117
118
119
120
121

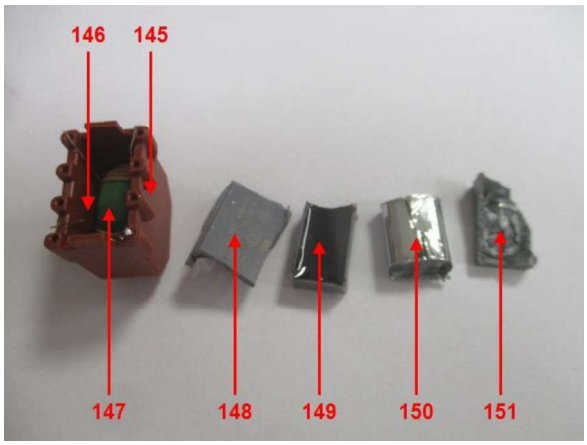

122
123
124
125
126
127
128
129
130
131
132
133

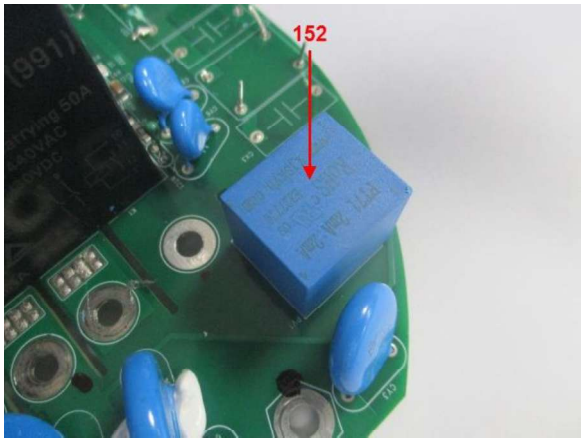

134
135

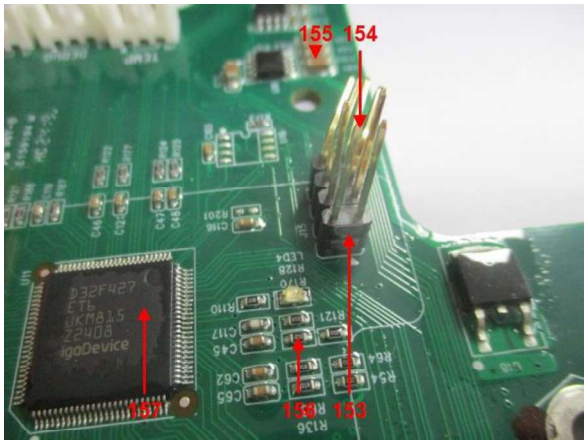

136
137
138

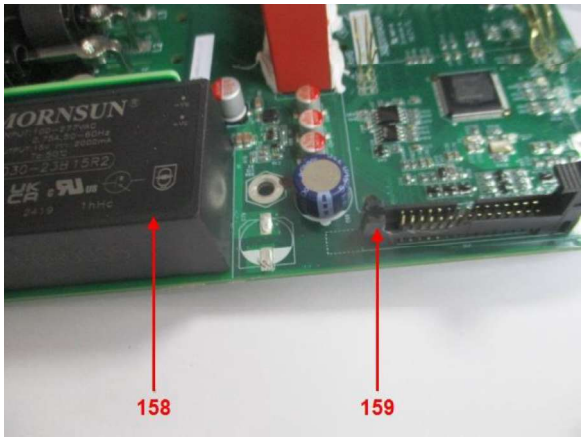

140
139

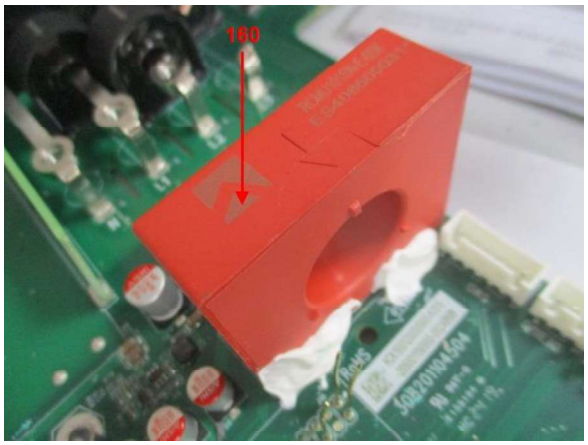

141
144
142
143

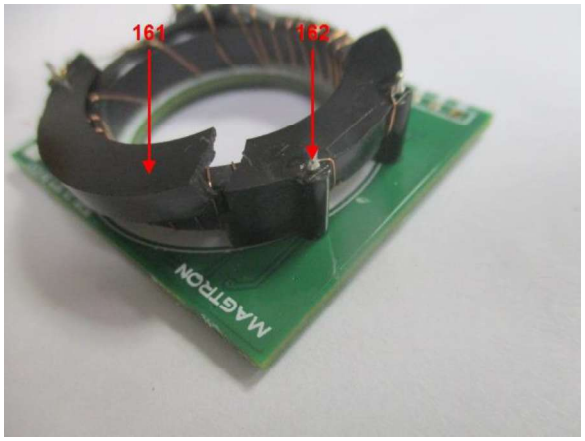

146
145
147
148
149
150
151

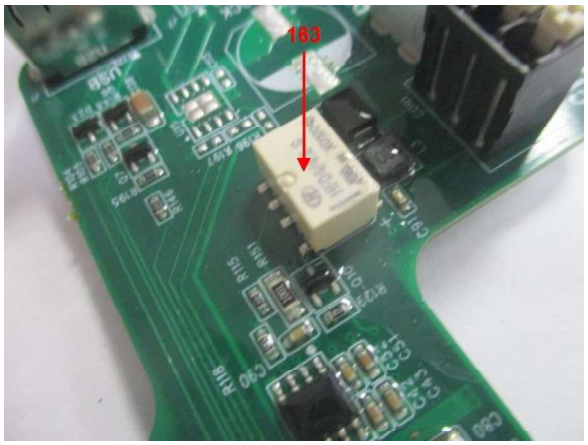

152

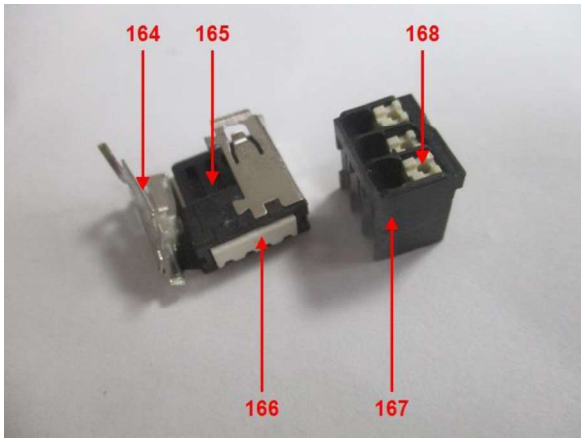

155
154
153

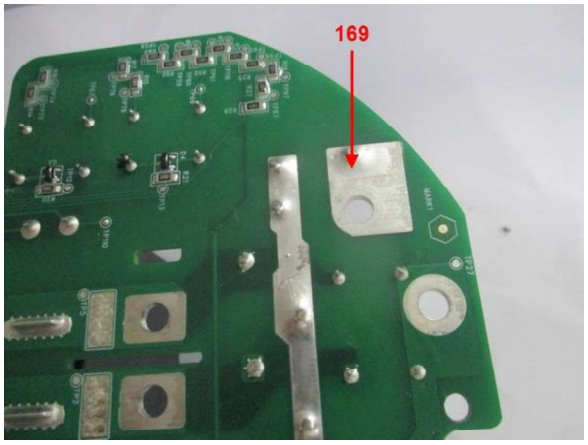

158
159

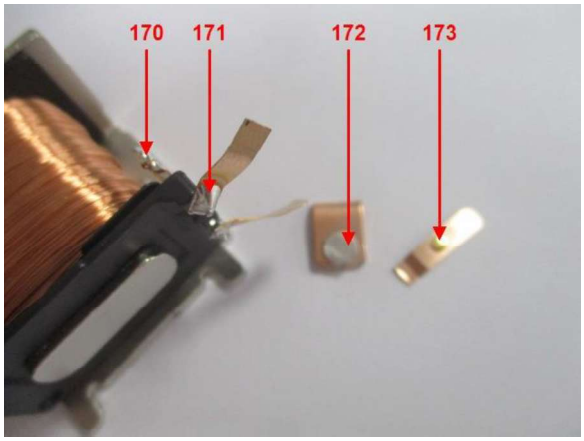

160


161
162

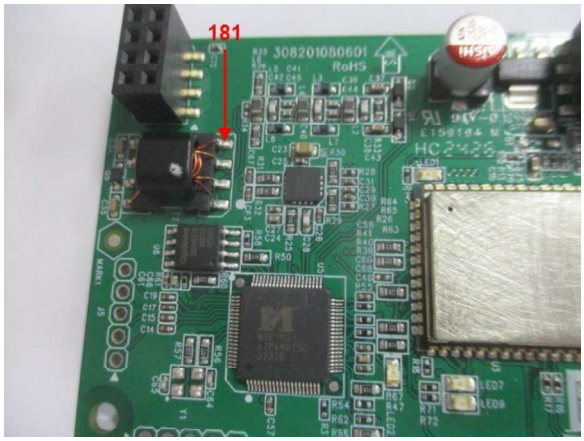

163

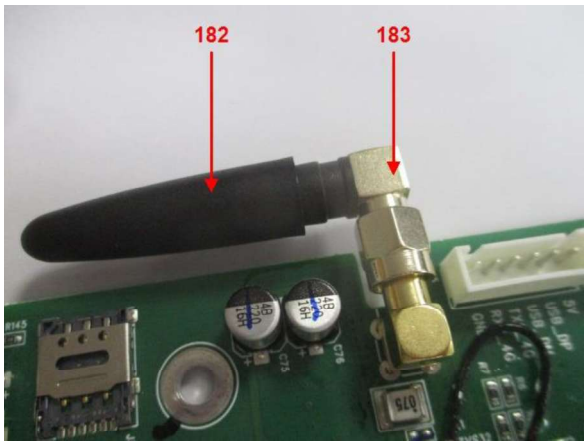

164
165
168
166
167

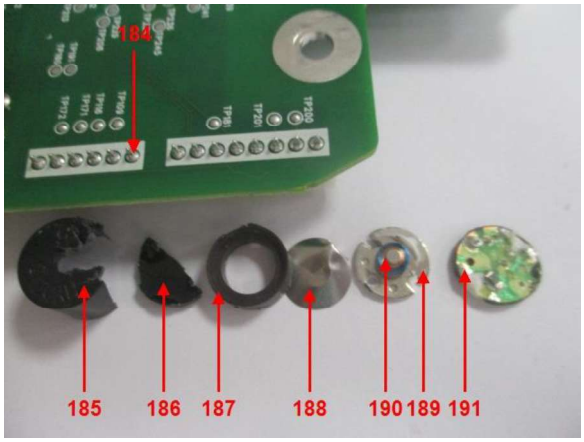

169

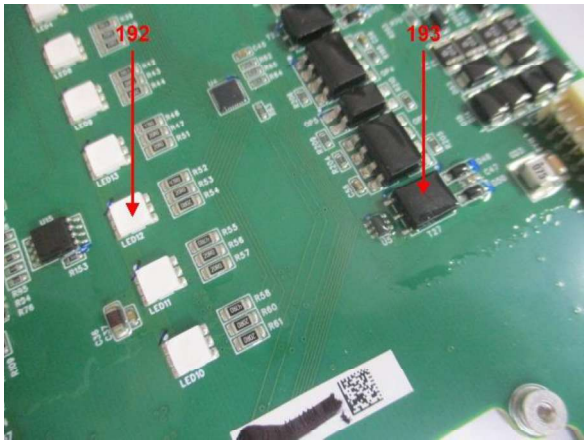

170
171
172
173

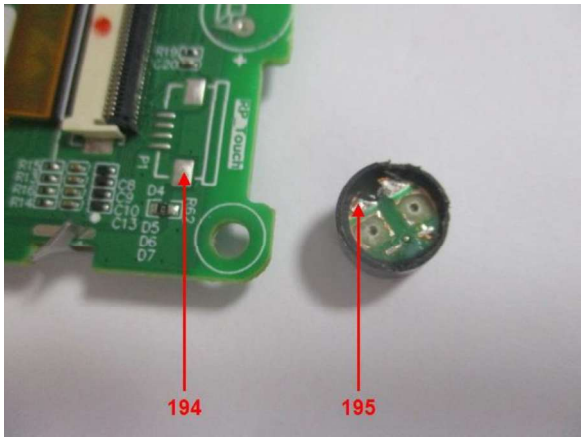

174
175
176
177
178
179
180

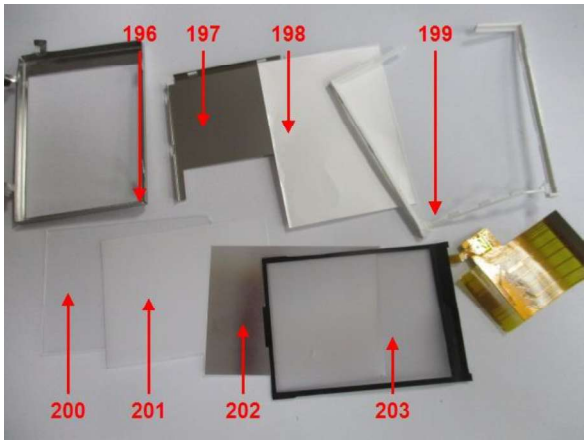

181

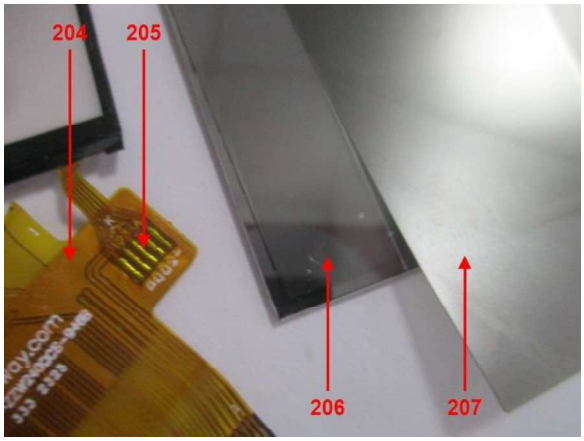

182
183


184
185
186
187
188
190
189
191

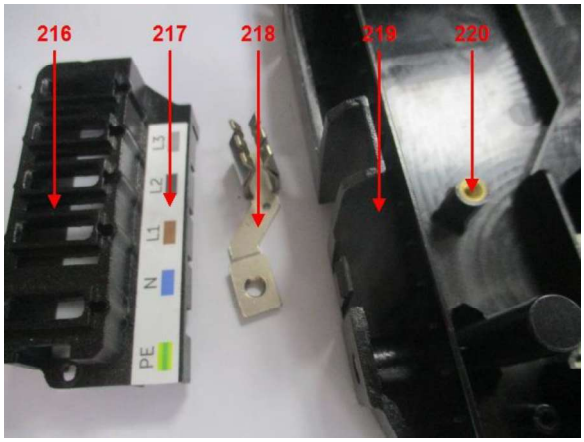

192
193

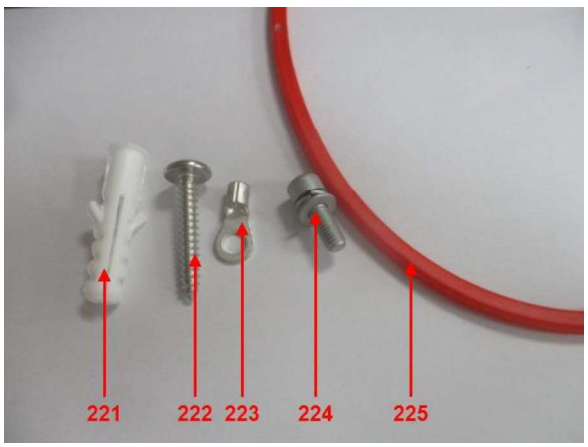

194
195

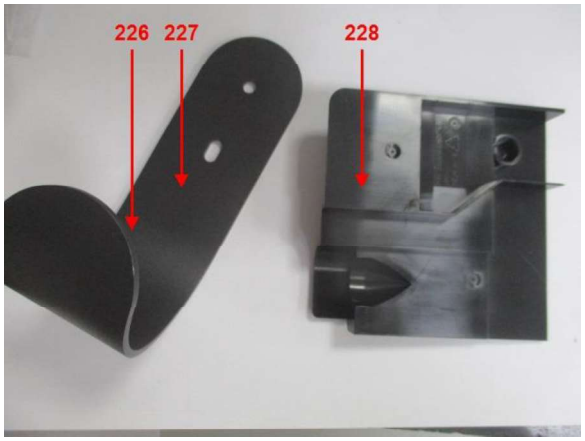

196
197
198
199
200
201
202
203

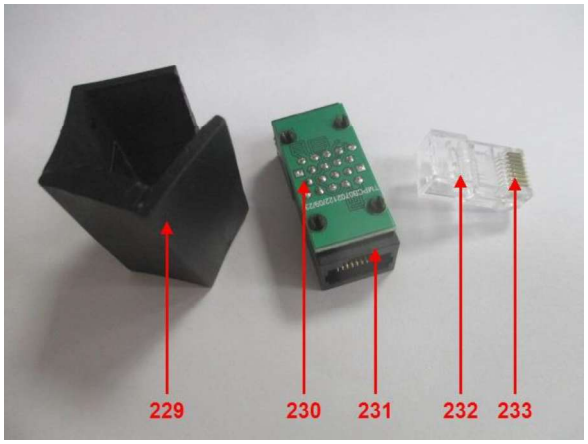

204
205
206
207

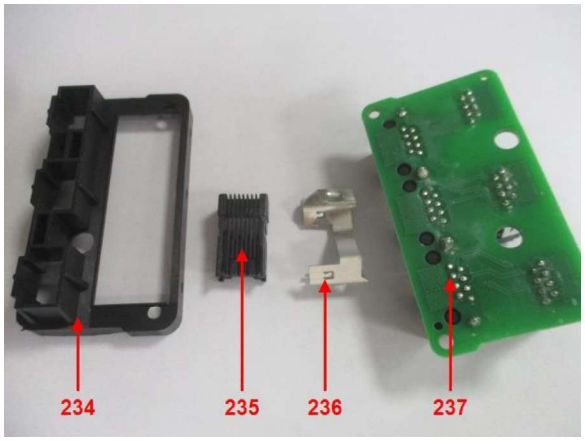

208
209
210
211
212
213
214
215

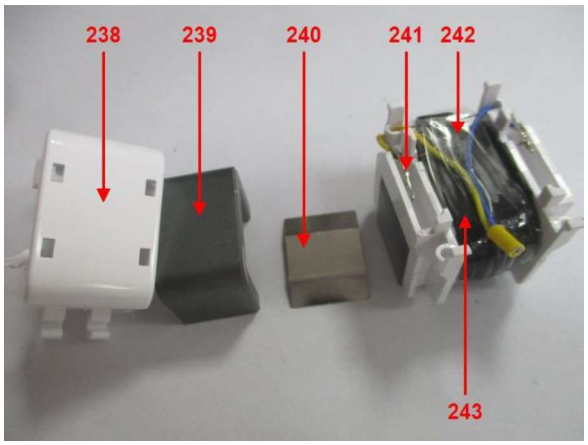

216
217
218
219
220
L3
L2
L1
N
PE

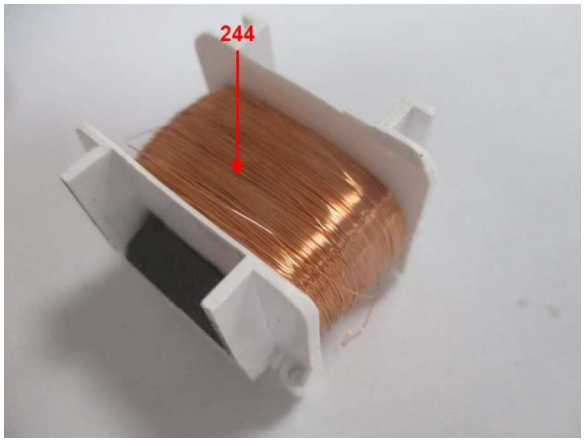

221
222
223
224
225

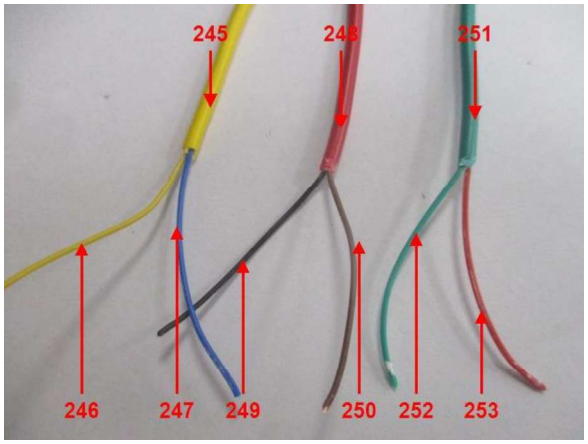

226
227
228

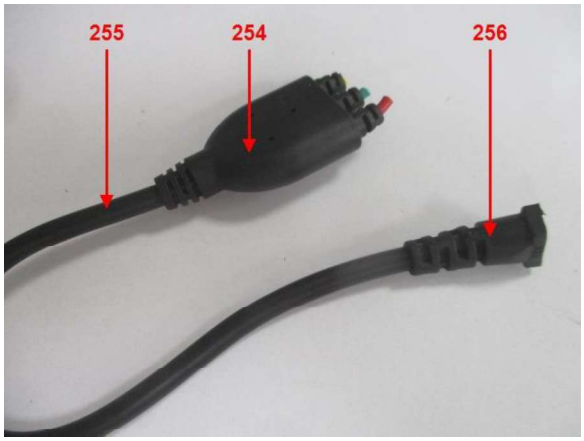

229
230
231
232
233

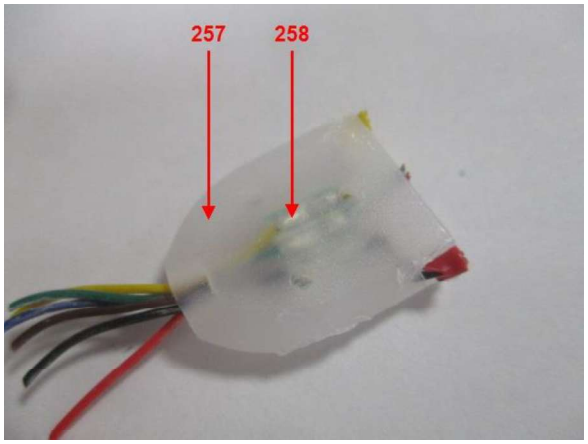

234
235
236
237


238
239
240
241
242
243

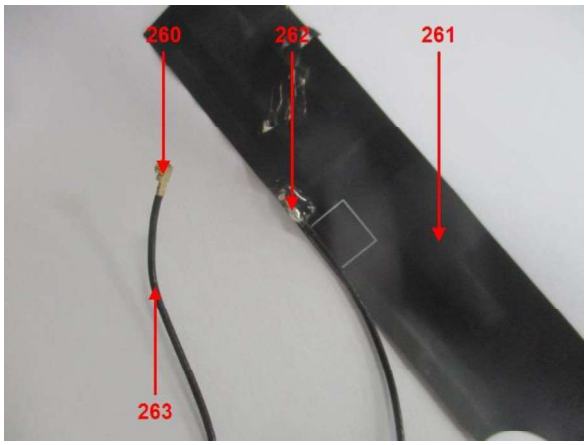

244


245
248
251
246
247
249
250
252
253


255
254
256


257
258


259
SOLAX
POWER


260
262
261
263

APPENDIX

Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
1	Triethyl arsenate*	15606-95-8	427-700-2	0.01	Carcinogenic
2	Anthracene	120-12-7	204-371-1	0.005	PBT
3	4,4'-Diaminodiphenyl methane (MDA)	101-77-9	202-974-4	0.005	Carcinogenic
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005	Toxic for reproduction Endocrine disrupting properties
5	Cobalt dichloride*	7646-79-9	231-589-4	0.01	Carcinogenic
6	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.01	Carcinogenic
7	Diarsenic trioxide*	1327-53-3	215-481-4	0.01	Carcinogenic
8	Sodium dichromate*	7789-12-0(1), 10588-01-9(2)	234-190-3	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005	vPvB
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.005	Toxic for reproduction
11	Hexabromo cyclododecane (HBCDD) and all major diastereoisomers identified: α - HBCDD β - HBCDD γ - HBCDD	3194-55-6(3), 25637-99-4(4) 134237-50-6 134237-51-7 134237-52-8	247-148-4, 221-695-9	0.005	PBT
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.01	PBT, vPvB
13	Bis(tributyltin)oxide (TBTO)**	56-35-9	200-268-0	0.005	PBT
14	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.01	Carcinogenic; Toxic for reproduction
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005	Toxic for reproduction
16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.005	Carcinogenic
17	Anthracene oil	90640-80-5	292-602-7	0.01	Carcinogenic, PBT, vPvB
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.01	Carcinogenic; Mutagenic, PBT, vPvB
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.01	Carcinogenic; Mutagenic, PBT, vPvB
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.01	Carcinogenic; Mutagenic, PBT, vPvB
21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.01	Carcinogenic; Mutagenic, PBT, vPvB
22	Diisobutyl phthalate	84-69-5	201-553-2	0.005	Toxic for reproduction
23	Aluminosilicate, Refractory Ceramic Fibres*a	Index no. 650-017-00-8		0.01	Carcinogenic
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres*b	Index no. 650-017-00-8		0.01	Carcinogenic
25	Lead chromate*	7758-97-6	231-846-0	0.01	Carcinogenic; Toxic for reproduction
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	0.01	Carcinogenic; Toxic for reproduction
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	0.01	Carcinogenic; Toxic for reproduction
28	Tris(2-chloroethyl) phosphate (TCEP)	115-96-8	204-118-5	0.005	Toxic for reproduction
29	Coal tar pitch, high temperature	65996-93-2	266-028-2	0.01	Carcinogenic, PBT, vPvB
30	Acrylamide	79-06-1	201-173-7	0.005	Carcinogenic; Mutagenic
31	Trichloroethylene	79-01-6	201-167-4	0.005	Carcinogenic

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
32	Boric acid*	10043-35-3, 11113-50-1	233-139-2 / 234-343-4	0.01	Toxic for reproduction
33	Disodium tetraborate, anhydrous*	1330-43-3(5), 12179-04-3(6), 1303-96-4(7)	215-540-4	0.01	Toxic for reproduction
34	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.01	Toxic for reproduction
35	Sodium chromate*	7775-11-3	231-889-5	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
36	Potassium chromate*	7789-00-6	232-140-5	0.01	Carcinogenic; Mutagenic
37	Ammonium dichromate*	7789-09-5	232-143-1	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
38	Potassium dichromate*	7778-50-9	231-906-6	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
39	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.01	Carcinogenic; Toxic for reproduction
40	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01	Carcinogenic; Toxic for reproduction
41	Cobalt(II) carbonate*	513-79-1	208-169-4	0.01	Carcinogenic; Toxic for reproduction
42	Cobalt(II) diacetate*	71-48-7	200-755-8	0.01	Carcinogenic; Toxic for reproduction
43	2-Methoxyethanol	109-86-4	203-713-7	0.005	Toxic for reproduction
44	2-Ethoxyethanol	110-80-5	203-804-1	0.005	Toxic for reproduction
45	Chromium trioxide*	1333-82-0	215-607-8	0.01	Carcinogenic; Mutagenic
46	Acid 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 -	0.01	Carcinogenic
47	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.005	Toxic for reproduction
48	Strontium Chromate*	7789-06-2	232-142-6	0.01	Carcinogenic
49	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester	68515-42-4	271-084-6	0.005	Toxic for reproduction
50	Hydrazine	302-01-2 7803-57-8	206-114-9	0.005	Carcinogenic
51	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.005	Toxic for reproduction
52	1,2,3-trichloropropane	96-18-4	202-486-1	0.005	Toxic for reproduction
53	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	276-158-1	0.005	Toxic for reproduction
54	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01	Carcinogenic
55	Potassium hydroxyoctaoxodizincatedi-chromate*	11103-86-9	234-329-8	0.01	Carcinogenic
56	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.01	Carcinogenic
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.005	Carcinogenic
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005	Toxic for reproduction
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005	Carcinogenic
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.005	Equivalent level of concern
61	1,2-Dichloroethane	107-06-2	203-458-1	0.005	Carcinogenic
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
63	Arsenic acid*	7778-39-4	231-901-9	0.01	Carcinogenic
64	Calcium arsenate*	7778-44-1	231-904-5	0.01	Carcinogenic
65	Trilead diarsenate*	3687-31-8	222-979-5	0.01	Carcinogenic; Toxic for reproduction
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005	Toxic for reproduction
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005	Carcinogenic
68	Phenolphthalein	77-09-8	201-004-7	0.005	Carcinogenic
69	Lead azide, Lead diazide*	13424-46-9	236-542-1	0.01	Toxic for reproduction
70	Lead styphnate*	15245-44-0	239-290-0	0.01	Toxic for reproduction
71	Lead dipicrate*	6477-64-1	229-335-2	0.01	Toxic for reproduction
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.005	Toxic for reproduction
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.005	Toxic for reproduction
74	Diboron trioxide*	1303-86-2	215-125-8	0.01	Toxic for reproduction
75	Formamide	75-12-7	200-842-0	0.01	Toxic for reproduction
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01	Toxic for reproduction
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) §	2451-62-9	219-514-3	0.005	Mutagenic
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	0.005	Mutagenic
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	0.005	Carcinogenic
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.005	Carcinogenic
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	0.005	Carcinogenic
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino) phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.005	Carcinogenic
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01	Carcinogenic
84	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol	561-41-1	209-218-2	0.005	Carcinogenic
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.005	Persistent, bioaccumulative and toxic; very persistent and very bioaccumulative
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.005	Toxic for reproduction
87	Methoxy acetic acid	625-45-6	210-894-6	0.005	Toxic for reproduction ; equivalent level of concern
88	Dibutyltin dichloride (DBT)*	683-18-1	211-670-0	0.01	Toxic for reproduction
89	1,2-Diethoxyethane	629-14-1	211-076-1	0.005	Toxic for reproduction
90	Hexahydro-2-benzofuran-1,3-dione (HHPA), 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	0.01	Equivalent level of concern having probable serious effects to human health
91	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic 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	0.01	Equivalent level of concern having probable serious effects to human health

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
92	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	-	-	0.005	Equivalent level of concern having probable serious effects to human health
93	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.005	Very persistent and very bioaccumulative
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear+	84777-06-0	284-032-2	0.005	Toxic for reproduction
95	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.005	Very persistent and very bioaccumulative
96	N-pentyl-isopentylphtalate (iPnPP)+	776297-69-9	-	0.005	Toxic for reproduction
97	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.005	Very persistent and very bioaccumulative
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	0.005	Equivalent level of concern
99	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.005	Very persistent and very bioaccumulative
100	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.01	Toxic for reproduction
101	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.01	Toxic for reproduction
102	Diethyl sulphate	64-67-5	200-589-6	0.005	Carcinogenic; Mutagenic
103	Dinoseb	88-85-7	201-861-7	0.005	Toxic for reproduction
104	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.01	Toxic for reproduction
105	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.01	Toxic for reproduction
106	Furan	110-00-9	203-727-3	0.01	Carcinogenic
107	N-methylacetamide	79-16-3	201-182-6	0.005	Toxic for reproduction
108	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.005	Carcinogenic
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.01	Toxic for reproduction
110	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.005	Carcinogenic; Mutagenic
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*	69011-06-9	273-688-5	0.01	Toxic for reproduction
112	Lead titanium trioxide*	12060-00-3	235-038-9	0.01	Toxic for reproduction
113	Lead oxide sulphate*	12036-76-9	234-853-7	0.01	Toxic for reproduction
114	Lead dinitrate*	10099-74-8	233-245-9	0.01	Toxic for reproduction
115	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.005	Carcinogenic
116	Lead cyanamidate*	20837-86-9	244-073-9	0.01	Toxic for reproduction
117	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.01	Toxic for reproduction
118	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.005	Carcinogenic
119	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.01	Toxic for reproduction
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	0.01	Toxic for reproduction
121	Dimethyl sulphate	77-78-1	201-058-1	0.005	Carcinogenic
122	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.01	Toxic for reproduction
123	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.01	Toxic for reproduction
124	Biphenyl-4-ylamine	92-67-1	202-177-1	0.005	Carcinogenic
125	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.01	Toxic for reproduction
126	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.01	Toxic for reproduction
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.01	Carcinogenic; Mutagenic

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
128	Silicic acid, lead salt*	11120-22-2	234-363-3	0.01	Toxic for reproduction
129	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.01	Toxic for reproduction
130	o-aminoazotoluene	97-56-3	202-591-2	0.005	Carcinogenic
131	1-bromopropane	106-94-5	203-445-0	0.01	Toxic for reproduction
132	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.005	Carcinogenic
133	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.005	Carcinogenic
134	Tetraethyllead*	78-00-2	201-075-4	0.01	Toxic for reproduction
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01	Toxic for reproduction
136	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01	Toxic for reproduction
137	Diisopentylphthalate+	605-50-5	210-088-4	0.005	Toxic for reproduction
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.01	Equivalent level of concern having probable serious effects to human health
139	Cadmium	7440-43-9	231-152-8	0.01	Carcinogenic; Equivalent level of concern
140	Cadmium oxide*	1306-19-0	215-146-2	0.01	Carcinogenic; Equivalent level of concern
141	Dipentyl phthalate (DPP) +	131-18-0	205-017-9	0.005	Toxic for reproduction
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]	-	-	0.005	Equivalent level of concern
143	Ammonium pentadecafluorooctanoate (APFO) ≠	3825-26-1	223-320-4	0.005	Toxic for reproduction; PBT
144	Pentadecafluorooctanoic acid (PFOA) ≠	335-67-1	206-397-9	0.005	Toxic for reproduction; PBT
145	Cadmium sulphide	1306-23-6	215-147-8	0.01	Carcinogenic; Equivalent level of concern
146	Dihexyl phthalate	84-75-3	201-559-5	0.005	Toxic for reproduction
147	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	0.005	Carcinogenic
148	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	0.005	Carcinogenic
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.005	Toxic for reproduction
150	Lead diacetate*	301-04-2	206-104-4	0.01	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	246-677-8	0.005	Toxic for reproduction
152	Cadmium chloride*	10108-64-2	233-296-7	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear++	68515-50-4	271-093-5	0.005	Toxic for reproduction
154	Sodium peroxometaborate*	7632-04-4	231-556-4	0.01	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	-	239-172-9; 234-390-0	0.01	Toxic for reproduction
156	Cadmium fluoride *	7790-79-6	232-222-0	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
157	Cadmium sulphate *	10124-36-4; 31119-53-6	233-331-6	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.005	PBT; vPvB
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.005	PBT; vPvB
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) +++	15571-58-1	239-622-4	0.01	Toxic for Reproduction
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) +++	-	-	0.01	Toxic for Reproduction
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1	271-094-0; 272-013-1	0.01	Toxic for reproduction
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 isomers of [1] and [2] or any combination thereof]	-	-	0.01	Very persistent and very bioaccumulative
164	1,3-propanesultone	1120-71-4	214-317-9	0.01	Carcinogenic
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.005	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.005	vPvB
167	Nitrobenzene	98-95-3	202-716-0	0.01	Toxic for reproduction
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.01	Toxic for reproduction; PBT
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.005	Carcinogenic; Mutagenic; Toxic for Reproduction; PBT; vPvB
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.005	Toxic for reproduction Endocrine disrupting properties-environment & human health
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts/	-	-	0.005	Toxic for reproduction; PBT
172	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	0.005	Equivalent level of concern having probable serious effects to the environment
173	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.005	Equivalent level of concern having probable serious effects to the environment
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.005	vPvB

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
175	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(4-HPbl)]	-	-	0.01	Endocrine disrupting properties-environment
176	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	0.01	vPvB
177	Chrysene	218-01-9 1719-03-5	205-923-4	0.005	Carcinogenic; PBT; vPvB
178	Cadmium nitrate*	10022-68-1 10325-94-7	233-710-6	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
179	Cadmium hydroxide*	21041-95-2	244-168-5	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
180	Cadmium carbonate*	513-78-0	208-168-9	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
181	Benz[a]anthracene	56-55-3 1718-53-2	200-280-6	0.005	Carcinogenic; PBT; vPvB
182	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.005	vPvB
183	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	0.005	PBT; vPvB
184	Lead	7439-92-1	231-100-4	0.01	Toxic for reproduction
185	Ethylenediamine (EDA)	107-15-3	203-468-6	0.005	Respiratory sensitising properties
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.005	PBT; vPvB
187	Disodium octaborate*	12008-41-2	234-541-0	0.005	Toxic for reproduction
188	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.005	Toxic for reproduction; Endocrine disrupting properties
189	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.005	PBT; vPvB
190	Benzo[ghi]perylene	191-24-2	205-883-8	0.005	PBT; vPvB
191	Benzene-1,2,4- tricarboxylic acid 1,2 anhydride (TMA)	552-30-7	209-008-0	0.005	Respiratory sensitising properties
192	Pyrene	129-00-0 1718-52-1	204-927-3	0.005	PBT; vPvB
193	Phenanthrene	85-01-8	201-581-5	0.005	vPvB
194	Fluoranthene	206-44-0 93951-69-0	205-912-4	0.005	PBT; vPvB
195	Benzo[k]fluoranthene	207-08-9	205-916-6	0.005	Carcinogenic; PBT; vPvB
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.005	Toxic for reproduction
197	1,7,7-trimethyl-3-(phenylmethylene)-Bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	0.005	Endocrine disrupting properties
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	0.01	Equivalent level of concern having probable serious effects to human health Equivalent level of concern having probable serious effects to the environment
199	2-methoxyethyl acetate	110-49-6	203-772-9	0.01	Toxic for reproduction
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ⩾ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01	Endocrine disrupting properties
201	4-tert-butylphenol	98-54-4	202-679-0	0.005	Endocrine disrupting properties

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.005	Toxic for reproduction
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.005	Toxic for reproduction
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.005	Toxic for reproduction
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.005	Equivalent level of concern having probable serious effects on the environment and human health
206	1-vinylimidazole	1072-63-5	214-012-0	0.005	Toxic for reproduction
207	2-methylimidazole	693-98-1	211-765-7	0.005	Toxic for reproduction
208	Dibutylbis(pentane-2,4-dionato-O,O')tin +++	22673-19-4	245-152-0	0.01	Toxic for reproduction
209	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.005	Equivalent level of concern having probable serious effects on the human health - Endocrine disrupting properties
210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.01	Toxic for reproduction
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	-	-	0.01	Toxic for reproduction
212	1,4-dioxane	123-91-1	204-661-8	0.01	Equivalent level of concern having probable serious effects on the environment and human health
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	0.01	Carcinogenic
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	0.01	Toxic for reproduction
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1	0.01	Endocrine disrupting properties - environment and human health
216	Glutaral	111-30-8	203-856-5	0.01	Respiratory sensitising properties - human health
217	Medium-chain chlorinated paraffins [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17] (MCCP)	-	-	0.01	PBT; vPvB
218	Orthoboric acid, sodium salt*	13840-56-7	237-560-2	0.01	Toxic for reproduction
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)	-	-	0.01	Toxic for reproduction; Endocrine disrupting properties-environment & human health
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)	-	-	0.01	Equivalent level of concern having probable serious effects on human health
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
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	0.01	PBT
223	Tris(2-methoxyethoxy) vinylsilane	1067-53-4	213-934-0	0.01	Toxic for reproduction
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.01	Carcinogenic; Mutagenic
225	1,1'-[ethane-1,2-diylbisoxy]bis|2.4,6-tribromobenzenel	37853-59-1	253-692-3	0.01	vPvB
226	2.2' 6.6'-tetrabromo-4 4'.isopropylidenediphenol	79-94-7	201-236-9	0.01	Carcinogenic
227	4,4'-sulphonyldiphenol	80-09-1	201-250-5	0.01	Toxic for reproduction Endocrine disrupting properties-environment & human health
228	Barium diboron tetraoxide*	13701-59-2	237-222-4	0.01	Toxic for reproduction
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.01	vPvB
230	Isobutyl4-hydroxybenzoate	4247-02-3	224-208-8	0.01	Endocrine disrupting properties-human health
231	Melamine	108-78-1	203-615-4	0.01	Equivalent level of concern having probable serious effects on the environment and human health
232	Perfluoroheptanoic acid and its salts	-	-	0.01	Toxic for reproduction PBT vPvB Equivalent level of concern having probable serious effects on the environment and human health
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-y)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropy])morpholine	-	473-390-7	0.01	vPvB
234	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	0.01	vPvB
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	0.01	Toxic for reproduction
236	2,4,6-tri-tert-butylphenol	732-26-3	211-989-5	0.005	Toxic for reproduction PBT vPvB
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9	221-573-5	0.005	vPvB
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	438-340-0	0.005	Toxic for reproduction
239	Bumetrizole	3896-11-5	223-445-4	0.005	vPvB
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	700-960-7	0.005	vPvB
241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	201-279-3	0.005	Toxic for reproduction

The 2 Substances Specified by Client - The Additional Dangerous Substances of Decree No. 2021-1285

No.	Substance name	CAS No.	EC No.	Detection Limit, %	Basis for identification as a SVHC
The Additional Dangerous Substances of Decree No. 2021-1285					
242	1,3-Benzenediol (Resorcinol)	108-46-3	/	0.005	/
243	Diisooctyl Phthalate (DIOP)	27554-26-3	/	0.005	/

(1) CAS no. 7789-12-0 refers to sodium dichromate dihydrate

(2) CAS no. 10588-01-9 refers to anhydrous sodium dichromate

(3) CAS no. 3194-55-6 refers to a specific HBCDD - 1,2,5,6,9,10-hexabromocyclododecane

(4) CAS no. 25637-99-4 refers to unspecific HBCDD isomer composition

(5) CAS no. 1330-43-4 refers to disodium tetraborate, anhydrous

(6) CAS no. 12179-04-3 refers to sodium tetraborate, pentahydrate

(7) CAS no. 1303-96-4 refers to sodium tetraborate, decahydrate

Remark:

1. PBT = Persistent, bio accumulative and toxic as defined in Regulation (EC) No 1907/2006
2. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
3. ND = Not Detected
4. *Result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
5. **Result is identified by tributyltin (TBT). Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
6. §TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) and β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are reported as a mixture.
7. [a]Refer to Aluminosilicate, Refractory Ceramic Fibres fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
8. [b]Refer to Zirconia Aluminosilicate, Refractory Ceramic Fibres fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
9. [+][1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of phthalates contains DPP, DIPP and N-pentyl-isopentylphtalate.
10. [#]PFOA and APFO are reported together. The result is based on PFOA concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
11. [++][1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear] is a mixture of phthalates contains dihexyl phthalate.
12. [+++]Result is based on the tin metal concentration, and further confirmation for checking DBT, DOTE & MOTE concentration.

END

Annex

The client declared that the materials used of below Styles are same as tested style.

X1-HAC-4P, X1-HAC-4P-B, X1-HAC-4P-L, X1-HAC-4P-L-B, X1-HAC-7P, X1-HAC-7P-B, X1-HAC-7P-L, X1-HAC-7P-L-B, X1-HAC-7P-E, X1-HAC-7P-B4G, X1-HAC-7P-L-4G, X1- HAC-7S, X1-HAC-7S-E, X1-HAC-7S-B, X1-HAC-7S-B4G, X1-HAC-7S-L, X1-HAC-7S-L-4G, X1-HAC-7S-L-B, X3-HAC-11P, X3-HAC-11P-B, X3-HAC-11P-L, X3-HAC-11P-L-B, X3-HAC-11P-E, X3- HAC-11P-B4G, X3-HAC-11P-L-4G, X3-HAC-11S, X3-HAC-11S-E, X3-HAC-11S-B, X3-HAC-11S-B4G, X3-HAC-11S-L, X3-HAC-11S-L-4G, X3-HAC-11S-L-B, X3-HAC-22P, X3-HAC-22P-B, X3-HAC-22P-L, X3-HAC-22P-L-B, X3-HAC-22P-E, X3-HAC-22P-B4G, X3- HAC-22S, X3-HAC-22S-E, X3-HAC-22S-B, X3-HAC-22S-B4G, X3-HAC-22S-L, X3-HAC-22S-L-4G, X3-HAC-22S-L-B

Remark:
Since the client was not able to provide the sample of additional Style, above additional Style(s) hasn't been tested, but only based on the guarantee letter provided by the client. Bureau Veritas-CPS takes no responsibility for any mistakes and the problems of product consistency caused by inaccurate and/or invalid information submitted by the client. The client will take the responsibility of all discrepancy and risk.