Test Report

Applicant: Global Tax Refund Holdings Company Limited

Contact information: 6/F MANULIFE PLACE 348 KWUN TONG ROAD KL

The following sample(s) was (were) submitted and identified by client as:

Sample Name	:	Balcony Power Station
Model No.	:	B215
Trade mark	:	SunLit
Received Date	:	Jul. 11, 2023
Testing Period	:	From Jul. 11, 2023 to Jul. 14, 2023
Test Request	:	Please refer to next page(s).
Test Result(s)	:	Please refer to next page(s).

Shen Zhen UONE Test Co., LTD.

Prepared by	Checked by	Approved by
Max	Thea	Hedy
Max Wu	Thea Ye	Hedy Xu

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Summary of Test Results :

TEST REQUEST	CONCLUSION
RoHS Directive 2011/65/EU and its subsequent amendments Directive (EU) 2015/863	
(1) To determine Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs) content by screening test and chemical test	**PASS**
(2) To determine Phthalates (DBP, BBP, DEHP, DIBP) content by chemical test	**PASS**

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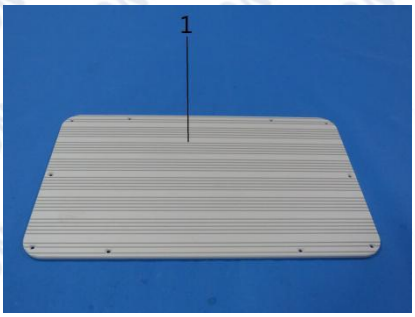
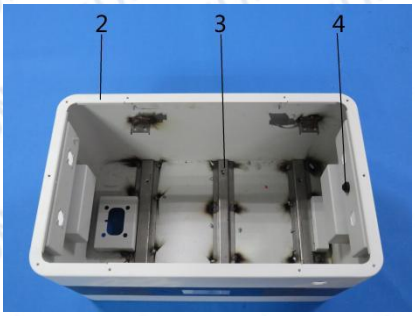
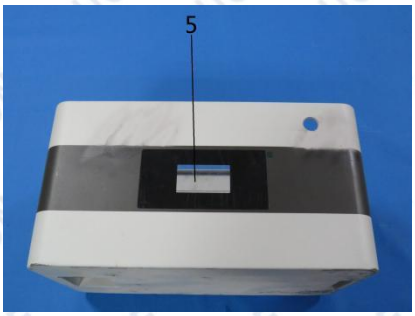
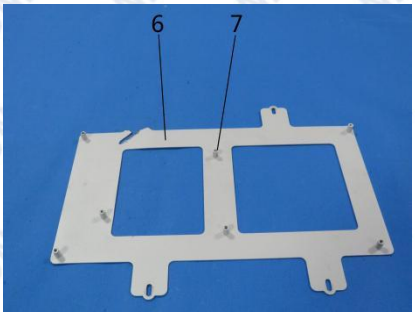
Test Material List

Material No.	Description (Location)	Photo(s) of tested materials
1	Silvery metal(cover)	
2	Silvery metal with white coating(shell)	
3	Silvery metal(plate)	
4	Black plastic	
5	Transparent plastic(lens)	
6	Silvery metal(sheet)	
7	Silvery metal(rivet)	

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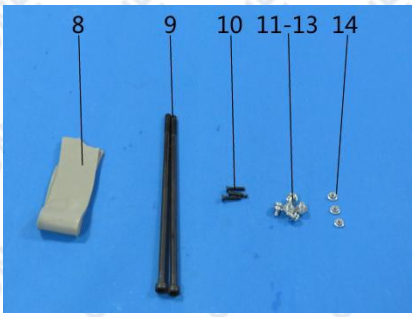
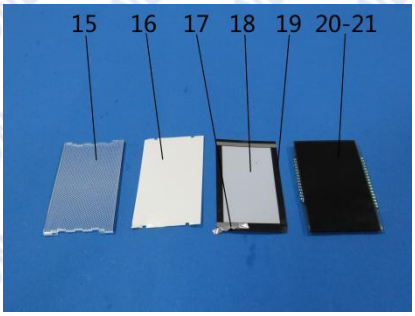
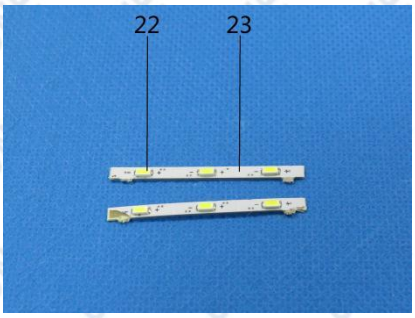
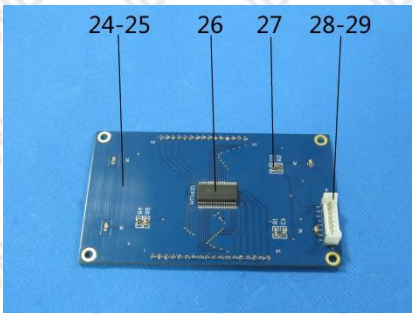
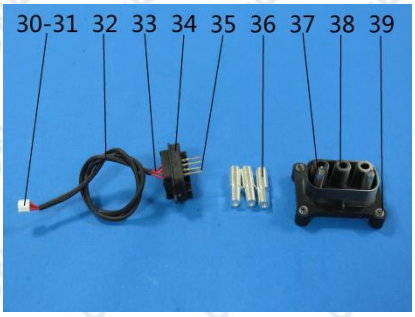
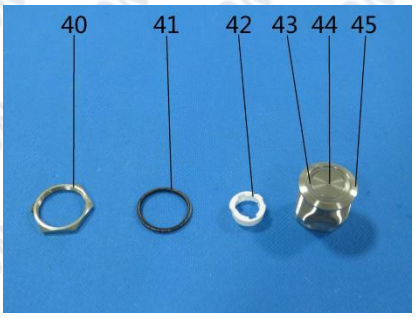
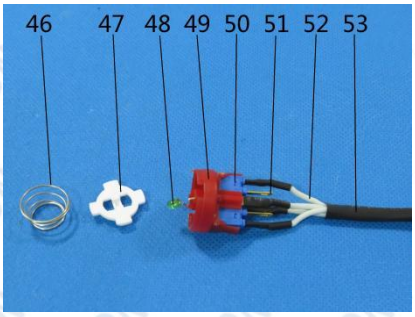
Material No.	Description (Location)	Photo(s) of tested materials
8	Gray silicone	
9	Silvery metal with black coating(long screw)	
10	Silvery metal with black coating(screw)	
11	Silvery metal(screw)	
12	Silvery metal(gasket)	
13	Silvery metal(ring)	
14	Silvery metal(nut)	
15	Transparent plastic(sheet, screen)	
16	White plastic(film)	
17	Silvery adhesive plastic(tape)	
18	Beige white plastic(film)	
19	Black adhesive plastic(tape)	
20	Transparent glass(lens)	
21	Transparent black plastic(film)	
22	Yellow body(LED, PCB)	
23	White PCB	
24	Blue PCB	
25	Silvery metal(solder, PCB)	
26	Black body(IC, PCB)	
27	Black body(resistor, PCB)	
28	White plastic(socket)	
29	Silvery metal(pin, socket)	

Material No.	Description (Location)	Photo(s) of tested materials
30	White plastic(terminal holder)	
31	Silvery metal(terminal)	
32	Black soft plastic(sleeve)	
33	Red soft plastic(wire jacket)	
34	Black plastic(pin holder)	
35	Golden metal(pin)	
36	Silvery metal(connector)	
37	Silvery metal	
38	Black plastic	
39	Silvery metal(nut)	
40	Silvery metal(nut)	
41	Black soft plastic(gasket)	
42	White plastic	
43	Transparent plastic	
44	Silvery metal(button)	
45	Silvery metal(shell)	
46	Silvery metal(spring)	
47	White plastic	
48	Transparent green body(LED)	
49	Red plastic	
50	Blue plastic(pin holder)	
51	Golden metal(pin)	
52	White soft plastic(wire jacket)	
53	Black soft plastic(sleeve)	

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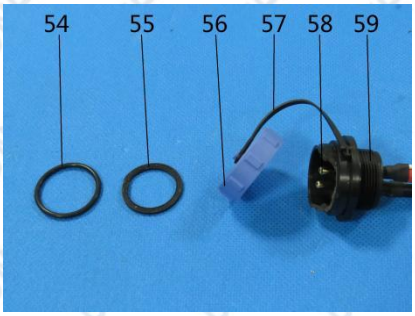
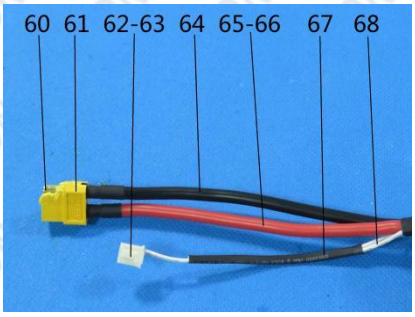
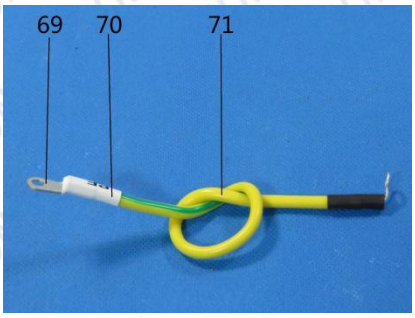
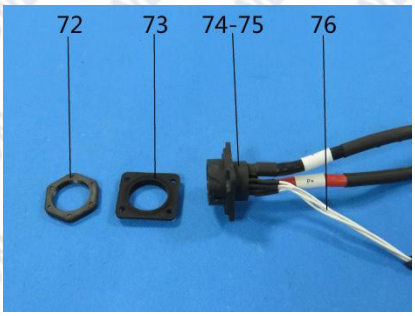
Material No.	Description (Location)	Photo(s) of tested materials
54	Black soft plastic(gasket)	
55	Black soft plastic(gasket)	
56	Blue plastic(cap)	
57	Black soft plastic	
58	Golden metal(pin)	
59	Black plastic	
60	Golden metal(connector)	
61	Yellow plastic(shell)	
62	White plastic(terminal holder)	
63	Silvery metal(terminal)	
64	Black soft plastic(wire jacket)	
65	Red soft plastic(wire jacket)	
66	Silvery metal(wire)	
67	Black soft plastic(sleeve)	
68	White soft plastic(wire jacket)	
69	Silvery metal(connector)	
70	White soft plastic(sleeve)	
71	Yellow-green soft plastic(wire jacket)	
72	Black plastic(nut)	
73	Black soft plastic(gasket)	
74	Black plastic(pin holder)	
75	Golden metal(pin)	
76	White soft plastic(wire jacket)	

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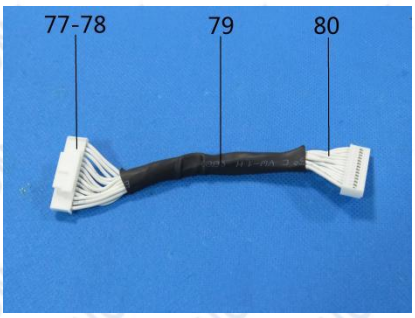
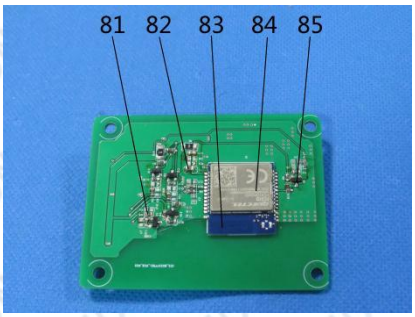
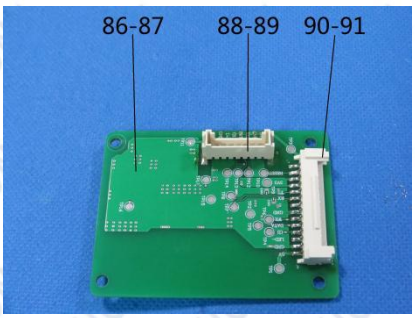
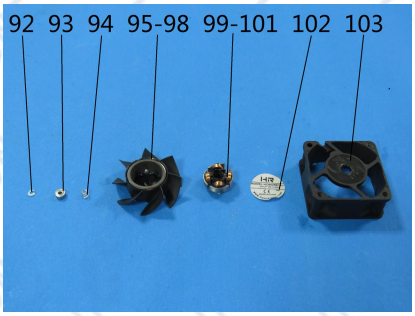
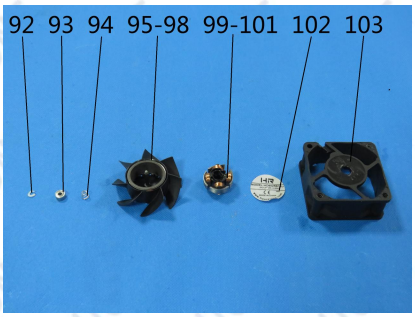
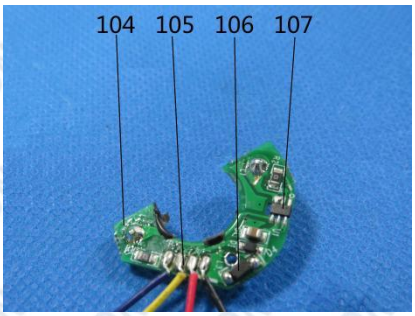
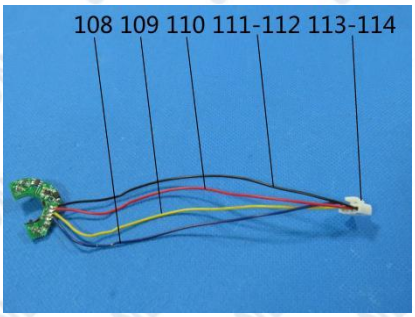
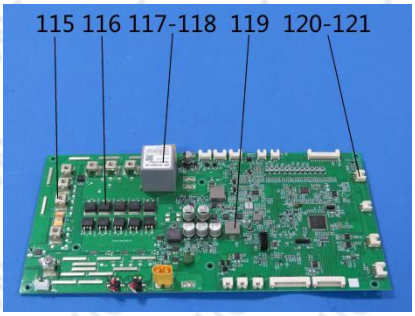
Material No.	Description (Location)	Photo(s) of tested materials
77	White plastic(terminal holder)	
78	Silvery metal(terminal)	
79	Black soft plastic(sleeve)	
80	White soft plastic(wire jacket)	
81	Black body(resistor, PCB)	
82	Brown body(capacitor, PCB)	
83	Blue PCB	
84	Silvery metal(cover)	
85	Black body(triode, PCB)	
86	Green PCB	
87	Silvery metal(solder, PCB)	
88	White plastic(socket)	
89	Silvery metal(pin, socket)	
90	White plastic(socket)	
91	Silvery metal(pin, socket)	
92	White plastic(gasket, fan)	
93	Silvery metal(bearing)	
94	Silvery metal(spring)	
95	Black plastic(blade)	
96	Silvery metal(shaft)	
97	Gray black magnet(core)	
98	Silvery metal(core holder)	

Material No.	Description (Location)	Photo(s) of tested materials
99	Coppery metal(coil)	
100	Black plastic(insulator)	
101	Silvery metal(plate)	
102	Silvery adhesive plastic with black printing(label)	
103	Black plastic(frame)	
104	Green PCB	
105	Silvery metal(solder, PCB)	
106	Black body(diode, PCB)	
107	Black body(IC, PCB)	
108	Blue soft plastic(wire jacket)	
109	Yellow soft plastic(wire jacket)	
110	Red soft plastic(wire jacket)	
111	Black soft plastic(wire jacket)	
112	Silvery metal(wire)	
113	White plastic(terminal holder)	
114	Silvery metal(terminal)	
115	Silvery metal(connector)	
116	Black body(IC, PCB)	
117	White adhesive paper with black printing(label)	
118	Gray body(EC, PCB)	
119	Gray body(inductor, PCB)	
120	White plastic(socket)	
121	Silvery metal(pin, socket)	

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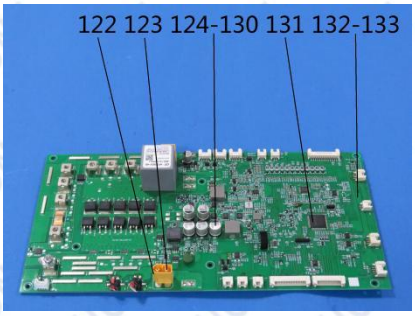
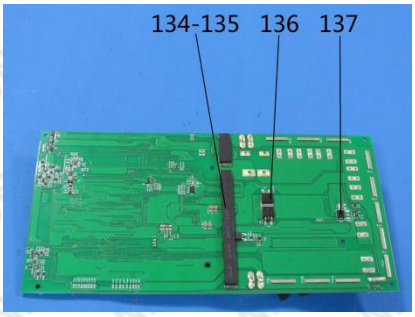
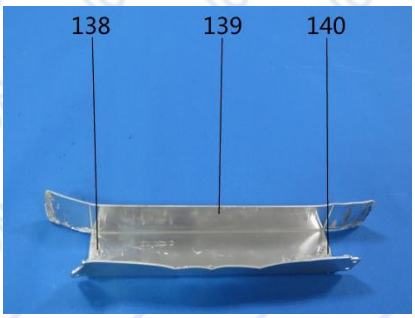
Material No.	Description (Location)	Photo(s) of tested materials
122	Yellow plastic(shell)	
123	Golden metal(pin)	
124	Silvery metal(shell, capacitor)	
125	Black soft rubber(base, capacitor)	
126	Brown paper with liquid(film, capacitor)	
127	Silvery metal(foil, capacitor)	
128	Dull silvery metal(foil, capacitor)	
129	Silvery metal(pin, capacitor)	
130	Black plastic(base, capacitor)	
131	Black body(IC, PCB)	
132	Green PCB	
133	Silvery metal(solder, PCB)	
134	Black soft plastic(sleeve)	
135	Silvery metal(connector)	
136	Black body(IC, PCB)	
137	Black body(diode, PCB)	
138	Beige plastic(pipe)	
139	Silvery metal(frame)	
140	Gray glue	

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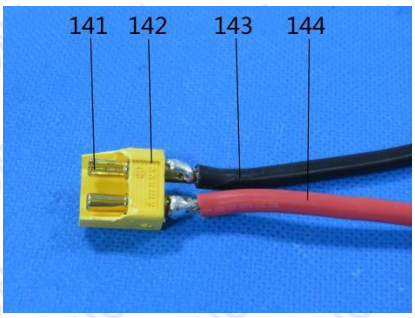
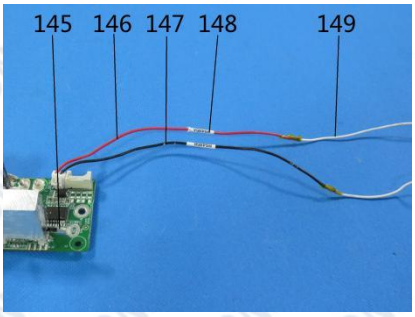
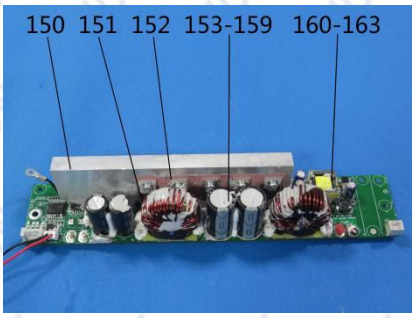
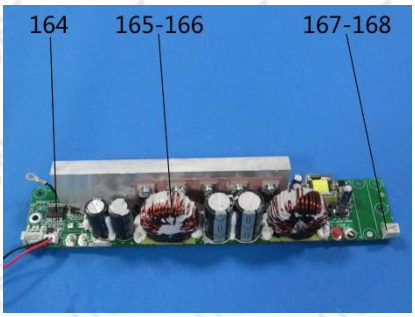
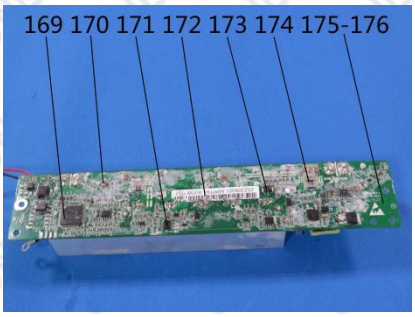
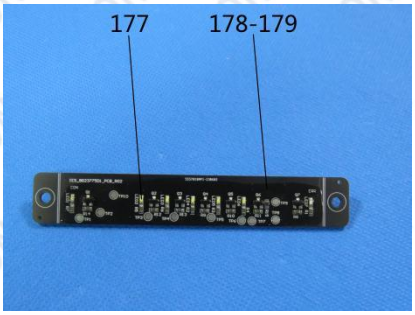
Material No.	Description (Location)	Photo(s) of tested materials
141	Golden metal(pin, plug)	
142	Yellow plastic(shell, plug)	
143	Black soft plastic(wire jacket)	
144	Red soft plastic(wire jacket)	
145	Black body(temperature sensor)	
146	Red soft plastic(wire jacket)	
147	Black soft plastic(wire jacket)	
148	White soft plastic(sleeve)	
149	White soft plastic(wire jacket)	
150	Silvery metal(radiator)	
151	Black body(triode, PCB)	
152	Pink silicone	
153	Black plastic with white printing(sleeve, capacitor)	
154	Silvery metal(shell, capacitor)	
155	Black soft rubber(base, capacitor)	
156	Brown paper with liquid(film, capacitor)	
157	Silvery metal(foil, capacitor)	
158	Dull silvery metal(foil, capacitor)	
159	Silvery metal(pin, capacitor)	
160	Yellow adhesive plastic(tape, inductor)	
161	Black plastic(bobbin, inductor)	
162	Black magnet(core, inductor)	
163	Coppery metal(coil, inductor)	

Material No.	Description (Location)	Photo(s) of tested materials
164	Black body(IC, PCB)	
165	Red metal(coil, inductor)	
166	Black magnet(core, inductor)	
167	White plastic(socket)	
168	Silvery metal(pin, socket)	
169	Black body(IC, PCB)	
170	Brown body(capacitor, PCB)	
171	Black body(IC, PCB)	
172	White adhesive paper with black printing(label)	
173	Black body(diode, PCB)	
174	Black body(resistor, PCB)	
175	Green PCB	
176	Silvery metal(solder, PCB)	
177	Yellow body(LED, PCB)	
178	Black PCB	
179	Silvery metal(solder, PCB)	

Test Result(s):

(1) Lead (Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls (PBBs) and Polybrominated DiphenylEthers (PBDEs)

Test Method: IEC62321-3-1: 2013, IEC62321-4: 2013+A1:2017, IEC62321-5: 2013, IEC62321-6: 2015,IEC 62321-7-1:2015, IEC 62321-7-2: 2017, analyzed by EDXRF & ICP-OES & GC-MS & UV-Vis.

No.	EDXRF Result (1)					Chemical Result (2) (mg/kg)	Remark(3)	Conclusion
	Pb	Cd	Hg	Cr	Br			
1	BL	BL	BL	BL	NA	—	—	PASS
2	BL	BL	BL	BL	NA	—	—	PASS
3	BL	BL	BL	BL	NA	—	—	PASS
4	BL	BL	BL	BL	BL	—	—	PASS
5	BL	BL	BL	BL	BL	—	—	PASS
6	BL	BL	BL	BL	NA	—	—	PASS
7	BL	BL	BL	BL	NA	—	—	PASS
8	BL	BL	BL	BL	BL	—	—	PASS
9	BL	BL	BL	BL	NA	—	—	PASS
10	BL	BL	BL	BL	NA	—	—	PASS
11	BL	BL	BL	BL	NA	—	—	PASS
12	BL	BL	BL	BL	NA	—	—	PASS
13	BL	BL	BL	BL	NA	—	—	PASS
14	BL	BL	BL	BL	NA	—	—	PASS
15	BL	BL	BL	BL	BL	—	—	PASS
16	BL	BL	BL	BL	BL	—	—	PASS
17	BL	BL	BL	BL	BL	—	—	PASS
18	BL	BL	BL	BL	BL	—	—	PASS
19	BL	BL	BL	BL	BL	—	—	PASS
20	BL	BL	BL	BL	BL	—	—	PASS
21	BL	BL	BL	BL	BL	—	—	PASS
22	BL	BL	BL	BL	BL	—	—	PASS
23	BL	BL	BL	BL	BL	—	—	PASS

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No.	EDXRF Result (1)					Chemical Result (2) (mg/kg)	Remark(3)	Conclusion
	Pb	Cd	Hg	Cr	Br			
24	BL	BL	BL	BL	BL	—	—	PASS
25	BL	BL	BL	BL	NA	—	—	PASS
26	BL	BL	BL	BL	BL	—	—	PASS
27	BL	BL	BL	BL	BL	—	—	PASS
28	BL	BL	BL	BL	BL	—	—	PASS
29	BL	BL	BL	BL	NA	—	—	PASS
30	BL	BL	BL	BL	BL	—	—	PASS
31	BL	BL	BL	BL	NA	—	—	PASS
32	BL	BL	BL	BL	BL	—	—	PASS
33	BL	BL	BL	BL	BL	—	—	PASS
34	BL	BL	BL	BL	BL	—	—	PASS
35	BL	BL	BL	BL	NA	—	—	PASS
36	BL	BL	BL	BL	NA	—	—	PASS
37	BL	BL	BL	BL	NA	—	—	PASS
38	BL	BL	BL	BL	BL	—	—	PASS
39	BL	BL	BL	BL	NA	—	—	PASS
40	OL	X	BL	BL	NA	Pb: 24200# Cd: 52	Copper alloy	PASS
41	BL	BL	BL	BL	BL	—	—	PASS
42	BL	BL	BL	BL	BL	—	—	PASS
43	BL	BL	BL	BL	BL	—	—	PASS
44	BL	BL	BL	BL	NA	—	—	PASS
45	BL	BL	BL	BL	NA	—	—	PASS
46	BL	BL	BL	BL	NA	—	—	PASS
47	BL	BL	BL	BL	BL	—	—	PASS
48	BL	BL	BL	BL	BL	—	—	PASS
49	BL	BL	BL	BL	BL	—	—	PASS

No.	EDXRF Result (1)					Chemical Result (2) (mg/kg)	Remark(3)	Conclusion
	Pb	Cd	Hg	Cr	Br			
50	BL	BL	BL	BL	BL	—	—	PASS
51	BL	BL	BL	BL	NA	—	—	PASS
52	BL	BL	BL	BL	BL	—	—	PASS
53	BL	BL	BL	BL	BL	—	—	PASS
54	BL	BL	BL	BL	BL	—	—	PASS
55	BL	BL	BL	BL	BL	—	—	PASS
56	BL	BL	BL	BL	BL	—	—	PASS
57	BL	BL	BL	BL	BL	—	—	PASS
58	OL	BL	BL	BL	NA	Pb: 26800#	Copper alloy	PASS
59	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
60	OL	BL	BL	BL	NA	Pb: 25180#	Copper alloy	PASS
61	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
62	BL	BL	BL	BL	BL	—	—	PASS
63	BL	BL	BL	BL	NA	—	—	PASS
64	BL	BL	BL	BL	BL	—	—	PASS
65	BL	BL	BL	BL	BL	—	—	PASS
66	BL	BL	BL	BL	NA	—	—	PASS
67	BL	BL	BL	BL	BL	—	—	PASS
68	BL	BL	BL	BL	BL	—	—	PASS
69	BL	BL	BL	BL	NA	—	—	PASS
70	BL	BL	BL	BL	BL	—	—	PASS
71	BL	BL	BL	BL	BL	—	—	PASS
72	BL	BL	BL	BL	BL	—	—	PASS
73	BL	BL	BL	BL	BL	—	—	PASS
74	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
75	OL	BL	BL	BL	NA	Pb: 20180#	Copper alloy	PASS

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No.	EDXRF Result (1)					Chemical Result (2) (mg/kg)	Remark(3)	Conclusion
	Pb	Cd	Hg	Cr	Br			
76	BL	BL	BL	BL	BL	—	—	PASS
77	BL	BL	BL	BL	BL	—	—	PASS
78	BL	BL	BL	BL	NA	—	—	PASS
79	BL	BL	BL	BL	BL	—	—	PASS
80	BL	BL	BL	BL	BL	—	—	PASS
81	BL	BL	BL	BL	BL	—	—	PASS
82	BL	BL	BL	BL	BL	—	—	PASS
83	BL	BL	BL	BL	BL	—	—	PASS
84	BL	BL	BL	BL	NA	—	—	PASS
85	BL	BL	BL	BL	BL	—	—	PASS
86	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
87	BL	BL	BL	BL	NA	—	—	PASS
88	BL	BL	BL	BL	BL	—	—	PASS
89	BL	BL	BL	BL	NA	—	—	PASS
90	BL	BL	BL	BL	BL	—	—	PASS
91	BL	BL	BL	BL	NA	—	—	PASS
92	BL	BL	BL	BL	BL	—	—	PASS
93	BL	BL	BL	BL	NA	—	—	PASS
94	BL	BL	BL	BL	NA	—	—	PASS
95	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
96	BL	BL	BL	BL	NA	—	—	PASS
97	BL	BL	BL	BL	NA	—	—	PASS
98	BL	BL	BL	BL	NA	—	—	PASS
99	BL	BL	BL	BL	NA	—	—	PASS
100	BL	BL	BL	BL	BL	—	—	PASS
101	BL	BL	BL	BL	NA	—	—	PASS

No.	EDXRF Result (1)					Chemical Result (2) (mg/kg)	Remark(3)	Conclusion
	Pb	Cd	Hg	Cr	Br			
102	BL	BL	BL	BL	BL	—	—	PASS
103	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
104	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
105	BL	BL	BL	BL	NA	—	—	PASS
106	BL	BL	BL	BL	BL	—	—	PASS
107	BL	BL	BL	BL	BL	—	—	PASS
108	BL	BL	BL	BL	BL	—	—	PASS
109	BL	BL	BL	BL	BL	—	—	PASS
110	BL	BL	BL	BL	BL	—	—	PASS
111	BL	BL	BL	BL	BL	—	—	PASS
112	BL	BL	BL	BL	NA	—	—	PASS
113	BL	BL	BL	BL	BL	—	—	PASS
114	BL	BL	BL	BL	NA	—	—	PASS
115	BL	BL	BL	BL	NA	—	—	PASS
116	BL	BL	BL	BL	BL	—	—	PASS
117	BL	BL	BL	BL	BL	—	—	PASS
118	BL	BL	BL	BL	BL	—	—	PASS
119	BL	BL	BL	BL	BL	—	—	PASS
120	BL	BL	BL	BL	BL	—	—	PASS
121	BL	BL	BL	BL	NA	—	—	PASS
122	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
123	OL	BL	BL	BL	NA	Pb: 15060#	Copper alloy	PASS
124	BL	BL	BL	BL	NA	—	—	PASS
125	BL	BL	BL	BL	BL	—	—	PASS
126	BL	BL	BL	BL	BL	—	—	PASS
127	BL	BL	BL	BL	NA	—	—	PASS

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No.	EDXRF Result (1)					Chemical Result (2) (mg/kg)	Remark(3)	Conclusion
	Pb	Cd	Hg	Cr	Br			
128	BL	BL	BL	BL	NA	—	—	PASS
129	BL	BL	BL	BL	NA	—	—	PASS
130	BL	BL	BL	BL	BL	—	—	PASS
131	BL	BL	BL	BL	BL	—	—	PASS
132	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
133	BL	BL	BL	BL	NA	—	—	PASS
134	BL	BL	BL	BL	BL	—	—	PASS
135	BL	BL	BL	BL	NA	—	—	PASS
136	BL	BL	BL	BL	BL	—	—	PASS
137	BL	BL	BL	BL	BL	—	—	PASS
138	BL	BL	BL	BL	BL	—	—	PASS
139	BL	BL	BL	BL	NA	—	—	PASS
140	BL	BL	BL	BL	BL	—	—	PASS
141	OL	BL	BL	BL	NA	Pb: 15230#	Copper alloy	PASS
142	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
143	BL	BL	BL	BL	BL	—	—	PASS
144	BL	BL	BL	BL	BL	—	—	PASS
145	BL	BL	BL	BL	BL	—	—	PASS
146	BL	BL	BL	BL	BL	—	—	PASS
147	BL	BL	BL	BL	BL	—	—	PASS
148	BL	BL	BL	BL	BL	—	—	PASS
149	BL	BL	BL	BL	BL	—	—	PASS
150	BL	BL	BL	BL	NA	—	—	PASS
151	BL	BL	BL	BL	BL	—	—	PASS
152	BL	BL	BL	BL	BL	—	—	PASS
153	BL	BL	BL	BL	BL	—	—	PASS

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No.	EDXRF Result (1)					Chemical Result (2) (mg/kg)	Remark(3)	Conclusion
	Pb	Cd	Hg	Cr	Br			
154	BL	BL	BL	BL	NA	—	—	PASS
155	BL	BL	BL	BL	BL	—	—	PASS
156	BL	BL	BL	BL	BL	—	—	PASS
157	BL	BL	BL	BL	NA	—	—	PASS
158	BL	BL	BL	BL	NA	—	—	PASS
159	BL	BL	BL	BL	NA	—	—	PASS
160	BL	BL	BL	BL	BL	—	—	PASS
161	BL	BL	BL	BL	BL	—	—	PASS
162	BL	BL	BL	BL	NA	—	—	PASS
163	BL	BL	BL	BL	NA	—	—	PASS
164	BL	BL	BL	BL	BL	—	—	PASS
165	BL	BL	BL	BL	NA	—	—	PASS
166	BL	BL	BL	BL	NA	—	—	PASS
167	BL	BL	BL	BL	BL	—	—	PASS
168	BL	BL	BL	BL	NA	—	—	PASS
169	BL	BL	BL	BL	BL	—	—	PASS
170	BL	BL	BL	BL	BL	—	—	PASS
171	BL	BL	BL	BL	BL	—	—	PASS
172	BL	BL	BL	BL	BL	—	—	PASS
173	BL	BL	BL	BL	BL	—	—	PASS
174	BL	BL	BL	BL	BL	—	—	PASS
175	BL	BL	BL	BL	X	PBBs: N.D. PBDEs: N.D.	—	PASS
176	BL	BL	BL	BL	NA	—	—	PASS
177	BL	BL	BL	BL	BL	—	—	PASS
178	BL	BL	BL	BL	BL	—	—	PASS
179	BL	BL	BL	BL	NA	—	—	PASS

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Remark:

(1) ①Results are obtained by EDXRF for primary screening, and further wet chemical testing by ICP-OES (for Cd, Pb, Hg), UV-VIS (for Cr(VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if an inconclusive result was found (as "X" in below table) (unit: mg/kg).

②OL = Over Limit, BL = Below Limit, X = Inconclusive, NA = Not Applicable.

③The EDXRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

Element	Polymer	Metal	Composite Materials
Cd	BL ≤(70-3σ)< X <(130+3σ)≤ OL	BL ≤(70-3σ)< X <(130+3σ)≤ OL	LOD < X <(150+3σ)≤ OL
Pb	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(500-3σ)< X <(1500+3σ)≤ OL
Hg	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(500-3σ)< X <(1500+3σ)≤ OL
Br	BL ≤ (300-3σ)< X	NA	BL ≤ (250-3σ)< X
Cr	BL ≤ (700-3σ)< X	BL ≤ (700-3σ)< X	BL ≤ (500-3σ)< X

Units and limits in EU RoHS Directive 2011/65/EU:

Element	Pb	Cd	Hg	Cr(VI)	PBBs(single)	PBDEs(single)
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Limit	1000	100	1000	1000	1000	1000

(2) ① mg/kg = ppm = 0.0001%, N.D. = Not Detected (Less than MDL).

②Unit and MDL (Method detection limit) in wet chemical test.

Element	Pb	Cd	Hg	Cr(VI)	PBBs(single)	PBDEs(single)
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	2	2	2	8	5	5

③According to IEC 62321-7-1:2015, result on Cr(VI) for metal sample is shown as Positive/Negative.
Negative = Absence of Cr(VI) coating, Positive = Presence of Cr(VI) coating.
Storage condition and production date of the tested sample are unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.

④ According to IEC 62321-3-1:2013, this column represents the results of wet chem test.

(3) This column represents the exempted decoration of material or other related testing sample's information. According to the declaration from the client, Lead in specimen(s) is exempted by EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863 base on:

Copper alloy containing up to 4 % lead by weight.

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(2) Phthalates (DBP, BBP, DEHP, DIBP) content

Test Method: IEC 62321-8: 2017, analyzed by gas chromatographic- mass spectrometer (GC-MS).

Substances	DBP	BBP	DEHP	DIBP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit (mg/kg)	1000	1000	1000	1000	
MDL (mg/kg)	20	20	20	20	
Material No.	Result (mg/kg)				
4	N.D.	N.D.	N.D.	N.D.	PASS
5	N.D.	N.D.	N.D.	N.D.	PASS
8	N.D.	N.D.	N.D.	N.D.	PASS
15	N.D.	N.D.	N.D.	N.D.	PASS
16	N.D.	N.D.	N.D.	N.D.	PASS
17	N.D.	N.D.	N.D.	N.D.	PASS
18	N.D.	N.D.	N.D.	N.D.	PASS
19	N.D.	N.D.	N.D.	N.D.	PASS
20	N.D.	N.D.	N.D.	N.D.	PASS
21	N.D.	N.D.	N.D.	N.D.	PASS
22	N.D.	N.D.	N.D.	N.D.	PASS
23	N.D.	N.D.	N.D.	N.D.	PASS
24	N.D.	N.D.	N.D.	N.D.	PASS
26	N.D.	N.D.	N.D.	N.D.	PASS
27	N.D.	N.D.	N.D.	N.D.	PASS
28	N.D.	N.D.	N.D.	N.D.	PASS
30	N.D.	N.D.	N.D.	N.D.	PASS
32	N.D.	N.D.	N.D.	N.D.	PASS
33	N.D.	N.D.	N.D.	N.D.	PASS
34	N.D.	N.D.	N.D.	N.D.	PASS
38	N.D.	N.D.	N.D.	N.D.	PASS

Substances	DBP	BBP	DEHP	DIBP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit (mg/kg)	1000	1000	1000	1000	
MDL (mg/kg)	20	20	20	20	
Material No.	Result (mg/kg)				
41	N.D.	N.D.	N.D.	N.D.	PASS
42	N.D.	N.D.	N.D.	N.D.	PASS
43	N.D.	N.D.	N.D.	N.D.	PASS
47	N.D.	N.D.	N.D.	N.D.	PASS
48	N.D.	N.D.	N.D.	N.D.	PASS
49	N.D.	N.D.	N.D.	N.D.	PASS
50	N.D.	N.D.	N.D.	N.D.	PASS
52	N.D.	N.D.	N.D.	N.D.	PASS
53	N.D.	N.D.	N.D.	N.D.	PASS
54	N.D.	N.D.	N.D.	N.D.	PASS
55	N.D.	N.D.	N.D.	N.D.	PASS
56	N.D.	N.D.	N.D.	N.D.	PASS
57	N.D.	N.D.	N.D.	N.D.	PASS
59	N.D.	N.D.	N.D.	N.D.	PASS
61	N.D.	N.D.	N.D.	N.D.	PASS
62	N.D.	N.D.	N.D.	N.D.	PASS
64	N.D.	N.D.	N.D.	N.D.	PASS
65	N.D.	N.D.	N.D.	N.D.	PASS
67	N.D.	N.D.	N.D.	N.D.	PASS
68	N.D.	N.D.	N.D.	N.D.	PASS
70	N.D.	N.D.	N.D.	N.D.	PASS
71	N.D.	N.D.	N.D.	N.D.	PASS
72	N.D.	N.D.	N.D.	N.D.	PASS
73	N.D.	N.D.	N.D.	N.D.	PASS

Substances	DBP	BBP	DEHP	DIBP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit (mg/kg)	1000	1000	1000	1000	
MDL (mg/kg)	20	20	20	20	
Material No.	Result (mg/kg)				
74	N.D.	N.D.	N.D.	N.D.	PASS
76	N.D.	N.D.	N.D.	N.D.	PASS
77	N.D.	N.D.	N.D.	N.D.	PASS
79	N.D.	N.D.	N.D.	N.D.	PASS
80	N.D.	N.D.	N.D.	N.D.	PASS
81	N.D.	N.D.	N.D.	N.D.	PASS
82	N.D.	N.D.	N.D.	N.D.	PASS
83	N.D.	N.D.	N.D.	N.D.	PASS
85	N.D.	N.D.	N.D.	N.D.	PASS
86	N.D.	N.D.	N.D.	N.D.	PASS
88	N.D.	N.D.	N.D.	N.D.	PASS
90	N.D.	N.D.	N.D.	N.D.	PASS
92	N.D.	N.D.	N.D.	N.D.	PASS
95	N.D.	N.D.	N.D.	N.D.	PASS
100	N.D.	N.D.	N.D.	N.D.	PASS
102	N.D.	N.D.	N.D.	N.D.	PASS
103	N.D.	N.D.	N.D.	N.D.	PASS
104	N.D.	N.D.	N.D.	N.D.	PASS
106	N.D.	N.D.	N.D.	N.D.	PASS
107	N.D.	N.D.	N.D.	N.D.	PASS
108	N.D.	N.D.	N.D.	N.D.	PASS
109	N.D.	N.D.	N.D.	N.D.	PASS
110	N.D.	N.D.	N.D.	N.D.	PASS
111	N.D.	N.D.	N.D.	N.D.	PASS

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Substances	DBP	BBP	DEHP	DIBP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit (mg/kg)	1000	1000	1000	1000	
MDL (mg/kg)	20	20	20	20	
Material No.	Result (mg/kg)				
113	N.D.	N.D.	N.D.	N.D.	PASS
116	N.D.	N.D.	N.D.	N.D.	PASS
117	N.D.	N.D.	N.D.	N.D.	PASS
118	N.D.	N.D.	N.D.	N.D.	PASS
119	N.D.	N.D.	N.D.	N.D.	PASS
120	N.D.	N.D.	N.D.	N.D.	PASS
122	N.D.	N.D.	N.D.	N.D.	PASS
125	N.D.	N.D.	N.D.	N.D.	PASS
126	N.D.	N.D.	N.D.	N.D.	PASS
130	N.D.	N.D.	N.D.	N.D.	PASS
131	N.D.	N.D.	N.D.	N.D.	PASS
132	N.D.	N.D.	N.D.	N.D.	PASS
134	N.D.	N.D.	N.D.	N.D.	PASS
136	N.D.	N.D.	N.D.	N.D.	PASS
137	N.D.	N.D.	N.D.	N.D.	PASS
138	N.D.	N.D.	N.D.	N.D.	PASS
140	N.D.	N.D.	N.D.	N.D.	PASS
142	N.D.	N.D.	N.D.	N.D.	PASS
143	N.D.	N.D.	N.D.	N.D.	PASS
144	N.D.	N.D.	N.D.	N.D.	PASS
145	N.D.	N.D.	N.D.	N.D.	PASS
146	N.D.	N.D.	N.D.	N.D.	PASS
147	N.D.	N.D.	N.D.	N.D.	PASS
148	N.D.	N.D.	N.D.	N.D.	PASS

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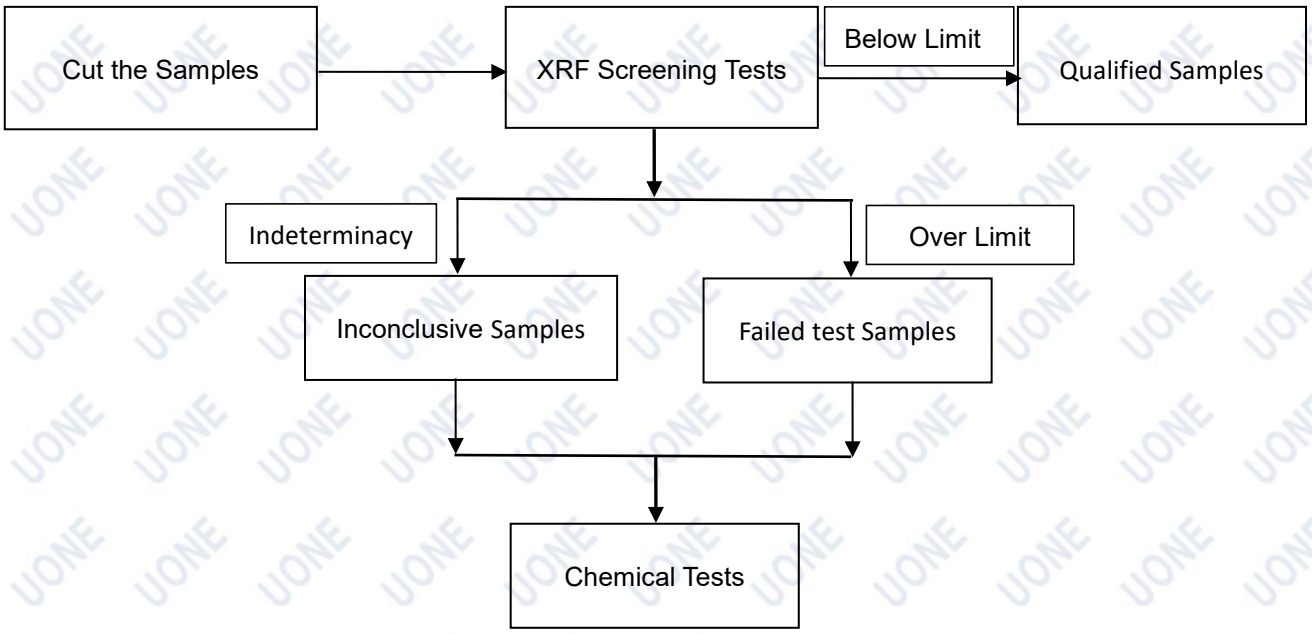
Substances	DBP	BBP	DEHP	DIBP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	84-69-5	
Limit (mg/kg)	1000	1000	1000	1000	
MDL (mg/kg)	20	20	20	20	
Material No.	Result (mg/kg)				
149	N.D.	N.D.	N.D.	N.D.	PASS
151	N.D.	N.D.	N.D.	N.D.	PASS
152	N.D.	N.D.	N.D.	N.D.	PASS
153	N.D.	N.D.	N.D.	N.D.	PASS
155	N.D.	N.D.	N.D.	N.D.	PASS
156	N.D.	N.D.	N.D.	N.D.	PASS
160	N.D.	N.D.	N.D.	N.D.	PASS
161	N.D.	N.D.	N.D.	N.D.	PASS
164	N.D.	N.D.	N.D.	N.D.	PASS
167	N.D.	N.D.	N.D.	N.D.	PASS
169	N.D.	N.D.	N.D.	N.D.	PASS
170	N.D.	N.D.	N.D.	N.D.	PASS
171	N.D.	N.D.	N.D.	N.D.	PASS
172	N.D.	N.D.	N.D.	N.D.	PASS
173	N.D.	N.D.	N.D.	N.D.	PASS
174	N.D.	N.D.	N.D.	N.D.	PASS
175	N.D.	N.D.	N.D.	N.D.	PASS
177	N.D.	N.D.	N.D.	N.D.	PASS
178	N.D.	N.D.	N.D.	N.D.	PASS

Note:
1. mg/kg = milligram per kilogram (ppm).
2. MDL= method detection limit.
3. N.D.=not detected(less than MDL).

Test Process Flow

1. XRF scan



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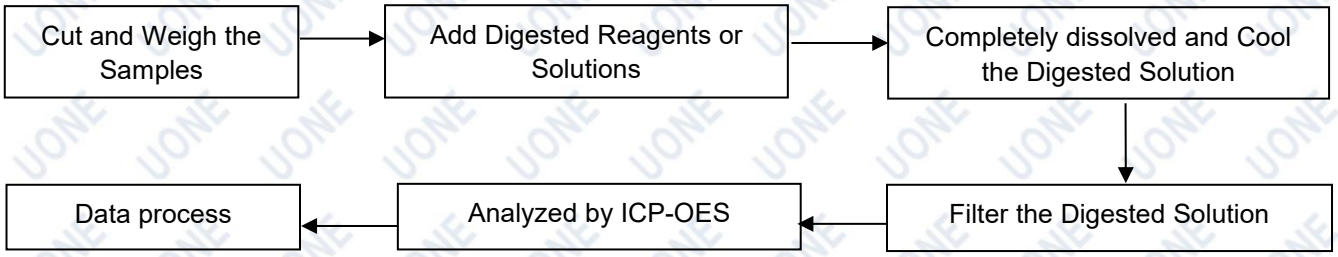
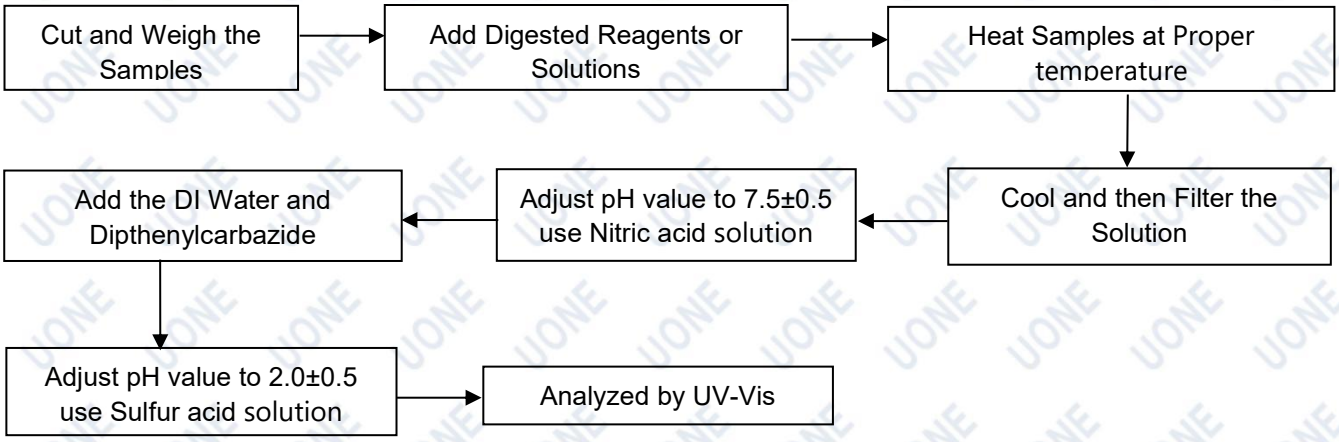
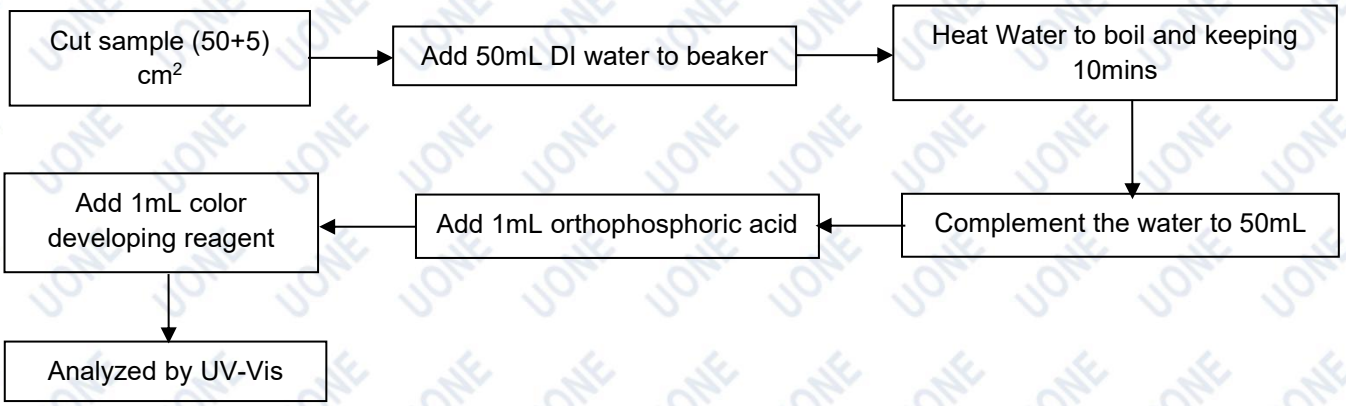
2. Lead, Cadmium, Mercury



3. Hexavalent Chromium (Non-metal)



Hexavalent Chromium (Metal)



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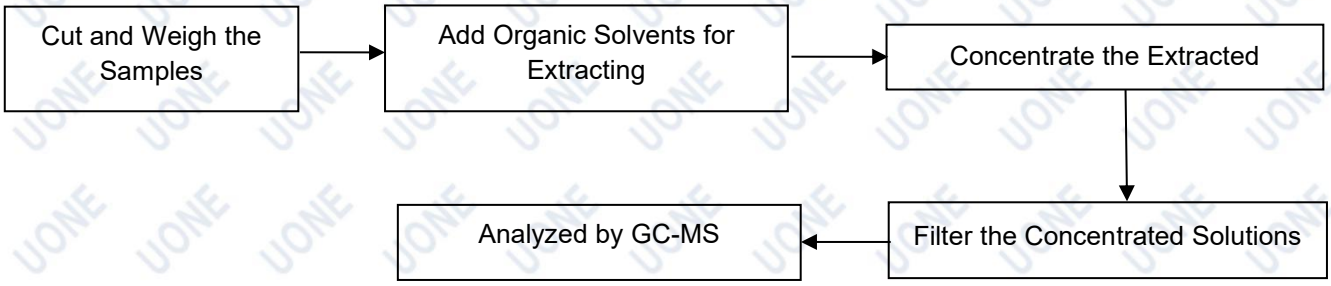
4. PBBs & PBDEs, Phthalates



Remark: The test result(s) is(are) copied from the test report No. U00901230711610-5E, dated Jul. 14, 2023.

Photo(s) of Sample:

The following photo(s) is(are) provided by the customer:

End of Report

Statement

1. The information as listed on the first page of this test report was all provided by the client except the received date, testing period, test result(s) and test request. The client shall be responsible for the representativeness of sample and authenticity of materials, for which UONE shall bear no responsibilities.

2. Unless otherwise stated the results shown in this report refer only the sample(s) tested and does not bear other joint and several liabilities.

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