

TEST REPORT

REPORT No.: R1SC121026F0678E

Date: November 29, 2012

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Hangzhou Huatai Optic Tech. Co., Ltd
Zhejiang Guangtai Optic Tech. Co., Ltd
2-2-4/F, 224 Tianmushan Road, Hangzhou 310012, P.R. China

Report on the submitted samples said to be:

Sample Name : Optical Transmitter

Tested Style/ Item No. : HES-55

Additional Style/Item No. HES-26、HT3510

Sample Receiving Date : October 26, 2012

Lately Re-submit Date : November 26, 2012

Testing Period : From October 26, 2012 to November 29, 2012

Results : Please refer to next page(s).

Remark : As claimed by the material declaration submitted by the client, the material of Additional Style/ Item No. are the same as the tested Style/ Item No. HES-55. But the results only for the tested sample. And the applicant will undertake all differences and risk.

Summary of Test Results:

TEST REQUEST

CONCLUSION

A EU RoHS Directive 2011/65/EU -XRF and Chemical test(Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs content)

Pass

Signed for and on behalf of
BACL



Checked by: _____
Amy Li
Technical Supervisor



Approved by: _____
Christy Wang
Laboratory Vice Manager

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Bay Area Compliance Laboratories Corp. (Shenzhen)

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Results:

A. EU RoHS Directive 2011/65/EU on XRF

Test method: With reference to IEC 62321 Ed 1.0:2008, Screening by X-ray Fluorescence Spectroscopy (XRF)

Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
1	Silvery metal(screw, radiator)	BL	BL	BL	BL	----
2*	Silvery metal(holder, radiator)	BL	BL	BL	X	----
3	Red/black printed gold plastic(sticker, radiator)	BL	BL	BL	BL	BL
4	White plastic(holder, plug, radiation)	BL	BL	BL	BL	BL
5* ³	Silvery metal(contact plate, plug, radiator)	OL	BL	BL	BL	----
6	Red PVC(wire jacket, radiator)	BL	BL	BL	BL	BL
7	Black PVC(wire jacket, radiator)	BL	BL	BL	BL	BL
8	Silvery plated coppery metal(wire, radiator)	BL	BL	BL	BL	----
9	Black plastic with glue(sticker, radiator)	BL	BL	BL	BL	BL
10*	Black plastic(case, radiator)	BL	BL	BL	BL	X
11	Off white plastic(ring, PCB, radiator)	BL	BL	BL	BL	BL
12*	Black body(EC,PCB, radiator)	BL	BL	BL	BL	X
13	Silvery solder(PCB, radiator)	BL	BL	BL	BL	----
14*	Green printed brown fiber with coppery metal(PCB, radiator)	BL	BL	BL	BL	X
15	Orange plastic(ring, motor, radiator)	BL	BL	BL	BL	BL
16	Coppery metal(wire, motor, radiator)	BL	BL	BL	BL	----
17*	Black plastic(core, motor, radiator)	BL	BL	BL	BL	X
18	Silvery metal(core, motor, radiator)	BL	BL	BL	BL	----
19	Coppery metal(ring, motor, radiator)	BL	BL	BL	BL	----
20	Black magnet(motor, radiator)	BL	BL	BL	BL	----
21	Silvery metal(holder, motor, radiator)	BL	BL	BL	BL	----
22*	Silvery metal(shaft, motor, radiator)	BL	BL	BL	X	----
23	Silvery metal(screw, fiber output)	BL	BL	BL	BL	----

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
24	Silvery metal(small screw, fiber output)	BL	BL	BL	BL	----
25	Silvery metal(cover, fiber output)	BL	BL	BL	BL	----
26	White glass(fiber output)	BL	BL	BL	BL	----
27* ³	Silvery metal(core, fiber output)	OL	BL	BL	BL	----
28* ³	Silvery metal(case, fiber output)	OL	BL	BL	BL	----
29	Green plastic(fiber, output)	BL	BL	BL	BL	BL
30	Silvery metal(screw, upper, transmitter)	BL	BL	BL	BL	----
31	Silvery metal(screw, side, transmitter)	BL	BL	BL	BL	----
32	Black printed yellow paper with glue(sticker, case, transmitter)	BL	BL	BL	BL	BL
33*	Silvery metal(holder, input power)	BL	BL	BL	X	----
34	White plastic(holder, plug, input power)	BL	BL	BL	BL	BL
35	Silvery plated gold metal(contact plate, plug, input power)	BL	BL	BL	BL	----
36	Black plastic(wire holder, input power)	BL	BL	BL	BL	BL
37	Blue plastic(wirer jacket, input power)	BL	BL	BL	BL	BL
38	Tan plastic(wire jacket, input power)	BL	BL	BL	BL	BL
39	Black plastic(wire jacket, input power)	BL	BL	BL	BL	BL
40	Silvery plated coppery metal(wire, input power)	BL	BL	BL	BL	----
41	Silvery solder(wire, input power)	BL	BL	BL	BL	----
42	Black printed silvery plastic(sticker, input power)	BL	BL	BL	BL	BL
43	Silvery metal(case, input power)	BL	BL	BL	BL	----
44	Black plastic(case, input power)	BL	BL	BL	BL	BL
45	Silvery plated coppery metal(pin, input power)	BL	BL	BL	BL	----
46	White plastic(holder, capacitor, input power)	BL	BL	BL	BL	BL
47	White glue(holder, capacitor, input power)	BL	BL	BL	BL	BL
48	Coppery metal(wire, inductor, input power)	BL	BL	BL	BL	----
49	Green coated black magnet(inductor, input power)	BL	BL	BL	BL	----

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
50*	Yellow plastic(case, capacitor, input power)	BL	BL	BL	BL	X
51*	Yellow glue(capacitor, input power)	BL	BL	BL	BL	X
52	Silvery plastic(film, capacitor, input power)	BL	BL	BL	BL	BL
53	Silvery metal with solder(pin, capacitor, input power)	BL	BL	BL	BL	----
54	Silvery plated coppery metal(cap, resistor, input power)	BL	BL	BL	BL	----
55	Grey ceramic(resistor, input power)	BL	BL	BL	BL	BL
56	Black plastic(wire jacket, input power)	BL	BL	BL	BL	BL
57	Silvery metal(wire, input power)	BL	BL	BL	BL	----
58	Black plastic(button, input power)	BL	BL	BL	BL	BL
59	Silvery metal(spring, input power)	BL	BL	BL	BL	----
60	Silvery metal(holder, spring, input power)	BL	BL	BL	BL	----
61	Coppery metal(contact plate, input power)	BL	BL	BL	BL	----
62	Silvery metal(case, transmitter)	BL	BL	BL	BL	----
63	Silvery metal(control plate, transmitter)	BL	BL	BL	BL	----
64	Metallic black plated silvery metal(holder, transmitter)	BL	BL	BL	BL	----
65	Silvery metal(screw, PCB"01")	BL	BL	BL	BL	----
66	Silvery metal(screw, PCB"03")	BL	BL	BL	BL	----
67* ³	Coppery metal(nut, transmitter)	OL	BL	BL	BL	----
68	Black plastic(case, switch)	BL	BL	BL	BL	BL
69*	Black plastic(core, switch)	BL	BL	BL	BL	X
70	Grey plastic(core, switch)	BL	BL	BL	BL	BL
71*	Silvery metal(shaft, switch)	BL	BL	BL	X	----
72	Metallic black plated silvery metal(spring, switch)	BL	BL	BL	BL	----
73	Silvery plated golden metal(contact plate, switch)	BL	BL	BL	BL	----
74	Silvery metal(pin, switch)	BL	BL	BL	BL	----
75*	Transparent green plastic(LED"DD1", PCB"01")	BL	BL	BL	BL	X

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		Pb	Cd	Hg	Cr	Br
76	Silvery plated coppery metal(pin, LED"DD1", PCB"01")	BL	BL	BL	BL	----
77	White plastic(case, LED"1",PCB"01")	BL	BL	BL	BL	BL
78	Transparent plastic(LED"1",PCB"01")	BL	BL	BL	BL	BL
79	Silvery metal with solder(LED"1",PCB"01")	BL	BL	BL	BL	----
80*	Black plastic(holder, socket, PCB"01")	BL	BL	BL	BL	X
81	Silvery plated gold metal(contact plate, socket, PCB"01")	BL	BL	BL	BL	----
82	Blue plastic(case, EC"VR1",PCB"01")	BL	BL	BL	BL	BL
83	Brown plastic(gear, EC"VR1",PCB"01")	BL	BL	BL	BL	BL
84* ³	Coppery plastic(screw, EC"VR1",PCB"01")	OL	BL	BL	BL	----
85* ²	White ceramic(EC"VR1",PCB"01")	OL	BL	BL	BL	----
86*	Black body(EC"U2",PCB"01")	BL	BL	BL	BL	X
87*	Yellow body(capacitor"C1",PCB"01")	BL	BL	BL	BL	X
88	White printed black body(SMD resistor, PCB"01")	BL	BL	BL	BL	BL
89	Silvery solder(PCB"01")	BL	BL	BL	BL	----
90*	Green printed white fiber with coppery metal(PCB"01")	BL	BL	BL	BL	X
91	Silvery metal(screw, PCB"03")	BL	BL	BL	BL	----
92	Transparent plastic(film, screen, PCB"03")	BL	BL	BL	BL	BL
93	Metallic black plated silvery metal(holder, screen, PCB"03")	BL	BL	BL	BL	----
94	White plastic(film, screen, PCB"03")	BL	BL	BL	BL	BL
95	Grey/black plastic(screen, PCB"03")	BL	BL	BL	BL	BL
96	White soft plastic(screen, PCB"03")	BL	BL	BL	BL	BL
97	Transparent plastic(screen, PCB"03")	BL	BL	BL	BL	BL
98	Silvery plastic with glue(sticker, screen, PCB"03")	BL	BL	BL	BL	BL
99	Grey plastic with glue(film, screen, PCB"03")	BL	BL	BL	BL	BL
100	Transparent glass(screen, PCB"03")	BL	BL	BL	BL	----
101*	Black plastic(holder, socket"J304", PCB"03")	BL	BL	BL	BL	X

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		Pb	Cd	Hg	Cr	Br
102	Golden metal(contact plate, socket"J304", PCB"03")	BL	BL	BL	BL	----
103	White body(SMD LED, screen, PCB"03")	BL	BL	BL	BL	BL
104*	White fiber(screen, PCB"03")	BL	BL	BL	BL	X
105	Translucent plastic(LED"D1",PCB"03")	BL	BL	BL	BL	BL
106	Silvery metal(LED"D1",PCB"03")	BL	BL	BL	BL	----
107	Silvery body(crystal, PCB"03")	BL	BL	BL	BL	BL
108	Black body(SMD transistor, PCB"03")	BL	BL	BL	BL	BL
109* ³	Silvery body(EC"Y3",PCB"03")	OL	BL	BL	BL	----
110*	Yellow body(EC"1",PCB"03")	BL	BL	BL	BL	X
111	Black body(EC"U2",PCB"03")	BL	BL	BL	BL	BL
112	White printed black body(SMD resistor, PCB"03")	BL	BL	BL	BL	BL
113	Brown body(SMD capacitor, PCB"03")	BL	BL	BL	BL	BL
114	Black body(EC"U9",PCB"03")	BL	BL	BL	BL	BL
115	Silvery solder(PCB"03")	BL	BL	BL	BL	----
116*	Green printed white fiber with coppery metal(PCB"03")	BL	BL	BL	BL	X
117	Grey plastic(wire jacket, PCB"03")	BL	BL	BL	BL	BL
118	Silvery plated coppery metal(wire, PCB"03")	BL	BL	BL	BL	----
119	Silvery metal(screw, socket"RS232")	BL	BL	BL	BL	----
120	Silvery metal(nut, socket"RS232")	BL	BL	BL	BL	----
121	White plastic(holder, plug, socket"RS232")	BL	BL	BL	BL	BL
122	Silvery metal(contact plate, plug, socket"RS232")	BL	BL	BL	BL	----
123	Red PVC(wire jacket, socket"RS232")	BL	BL	BL	BL	BL
124	Orange PVC(wire jacket, socket"RS232")	BL	BL	BL	BL	BL
125	Grey PVC(wire jacket, socket"RS232")	BL	BL	BL	BL	BL
126	Coppery metal(wire jacket, socket"RS232")	BL	BL	BL	BL	----
127	Silvery metal(case, socket"RS232")	BL	BL	BL	BL	----

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
128*	Blue plastic(holder, socket"RS232")	BL	BL	BL	BL	X
129	Silvery metal(contact plate, socket"RS232")	BL	BL	BL	BL	----
130	Silvery metal(screw, PCB"06")	BL	BL	BL	BL	----
131	White plastic(spacer, PCB"06")	BL	BL	BL	BL	BL
132	Red plastic(spacer, PCB"06")	BL	BL	BL	BL	BL
133	Bright blue plastic(film, transistor, PCB"06")	BL	BL	BL	BL	BL
134	Silvery plated coppery metal with solder(transistor, PCB"06")	BL	BL	BL	BL	----
135*	Black plastic(transistor, PCB"06")	BL	BL	BL	BL	X
136	Black printed white paper with glue(sticker, PCB"06")	BL	BL	BL	BL	BL
137*	Black plastic(holder, socket, PCB"06")	BL	BL	BL	BL	X
138	Silvery metal(contact plate, socket, PCB"06")	BL	BL	BL	BL	----
139	Translucent plastic(holder, socket"1J1", PCB"06")	BL	BL	BL	BL	BL
140	Silvery metal(contact plate, socket"1J1", PCB"06")	BL	BL	BL	BL	----
141	Silvery plated gold metal(case, socket"J11", PCB"06")	BL	BL	BL	BL	----
142*	Black plastic(holder, socket"J11", PCB"06")	BL	BL	BL	BL	X
143*	Yellow plastic(yellow LED, socket"J11", PCB"06")	BL	BL	BL	BL	X
144	Silvery metal(yellow LED, socket"J11", PCB"06")	BL	BL	BL	BL	----
145*	Green plastic(green LED, socket"J11", PCB"06")	BL	BL	BL	BL	X
146	Silvery plastic(green LED, socket"J11", PCB"06")	BL	BL	BL	BL	BL
147	Golden plastic(contact plate, socket"J11", PCB"06")	BL	BL	BL	BL	----
148	White printed black plastic(sleeve, capacitor, PCB"06")	BL	BL	BL	BL	----
149	Silvery metal(case, capacitor, PCB"06")	BL	BL	BL	BL	BL
150	Black plastic(base, capacitor, PCB"06")	BL	BL	BL	BL	----
151	Brown paper(film, capacitor, PCB"06")	BL	BL	BL	BL	BL
152	Grey metal(film, capacitor, PCB"06")	BL	BL	BL	BL	----
153	Silvery metal(pin, capacitor, PCB"06")	BL	BL	BL	BL	----

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		Pb	Cd	Hg	Cr	Br
154*	Grey printed black metal(diode"1D6", PCB"06")	BL	BL	BL	BL	X
155* ⁴	Silvery plated coppery metal with solder(diode"1D6", PCB"06")	OL	BL	BL	BL	----
156	Black magnet(diode"1D6", PCB"06")	BL	BL	BL	BL	----
157	Silvery metal(diode"1D6", PCB"06")	BL	BL	BL	BL	----
158	Black plastic(base, inductor, PCB"06")	BL	BL	BL	BL	BL
159	Black magnet(inductor, PCB"06")	BL	BL	BL	BL	----
160	Coppery metal(inductor, PCB"06")	BL	BL	BL	BL	----
161	Blue plastic(case, EC"VAR2", PCB"06")	BL	BL	BL	BL	BL
162	Beige plastic(EC"VAR2", PCB"06")	BL	BL	BL	BL	BL
163	Coppery metal(contact plate, EC"VAR2", PCB"06")	BL	BL	BL	BL	----
164* ³	Silvery metal(screw, EC"VAR2", PCB"06")	OL	BL	BL	BL	----
165* ²	White ceramic(EC"VAR2", PCB"06")	OL	BL	BL	BL	----
166*	Blue body(SMD transistor, PCB"06")	BL	BL	BL	BL	X
167	White printed black body(SMD transistor, PCB"06")	BL	BL	BL	BL	BL
168	Brown body(SMD transistor, PCB"06")	BL	BL	BL	BL	BL
169	Black body(EC"U6", PCB"06")	BL	BL	BL	BL	BL
170	Silvery solder(PCB"06")	BL	BL	BL	BL	----
171*	Green printed white fiber with coppery metal(PCB"06")	BL	BL	BL	BL	X
172*	Silvery metal(cover, PCB"BHT")	BL	BL	BL	X	----
173	Transparent plastic with khaki paper(base, PCB"BHT")	BL	BL	BL	BL	BL
174	White plastic(film, PCB"BHT")	BL	BL	BL	BL	BL
175	White glue(PCB"BHT")	BL	BL	BL	BL	BL
176*	Silvery metal(screw, PCB"BHT")	BL	BL	BL	X	----
177	Silvery metal(plate, PCB"BHT")	BL	BL	BL	BL	----
178	Color intrigue metal(plate, PCB"BHT")	BL	BL	BL	BL	----
179	Grey plastic(sleeve, transistor"Q1", PCB"BHT")	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
180*	Black plastic(transistor"Q1", PCB"BHT")	BL	BL	BL	BL	X
181	Coppery metal with silvery solder(transistor"Q1", PCB"BHT")	BL	BL	BL	BL	----
182	Transparent yellow with glue (sticker, transformer"T1", PCB"BHT")	BL	BL	BL	BL	BL
183	Yellow plastic(film, transformer"T1", PCB"BHT")	BL	BL	BL	BL	BL
184	Bright yellow plastic(film, transformer"T1", PCB"BHT")	BL	BL	BL	BL	BL
185	White plastic with glue(film, transformer"T1", PCB"BHT")	BL	BL	BL	BL	BL
186	Black plastic(holder, transformer"T1", PCB"BHT")	BL	BL	BL	BL	BL
187	Black ,magnet(transformer"T1", PCB"BHT")	BL	BL	BL	BL	----
188	Coppery metal(wire, transformer"T1", PCB"BHT")	BL	BL	BL	BL	----
189	Grey printed black plastic(sleeve, capacitor"CD1", PCB"BHT")	BL	BL	BL	BL	BL
190	Silvery metal(case, capacitor"CD1", PCB"BHT")	BL	BL	BL	BL	----
191	Black plastic(base, capacitor"CD1", PCB"BHT")	BL	BL	BL	BL	BL
192	Silvery metal(pin, capacitor"CD1", PCB"BHT")	BL	BL	BL	BL	----
193	Grey metal(film, capacitor"CD1", PCB"BHT")	BL	BL	BL	BL	----
194	Brown paper(film, capacitor"CD1", PCB"BHT")	BL	BL	BL	BL	BL
195	Transparent plastic with glue(film, capacitor"CD1", PCB"BHT")	BL	BL	BL	BL	BL
196	White printed dark green plastic (sleeve, capacitor"CD4", PCB"BHT")	BL	BL	BL	BL	BL
197	Silvery metal(case, capacitor"CD4", PCB"BHT")	BL	BL	BL	BL	----
198	Black plastic(base, capacitor"CD4", PCB"BHT")	BL	BL	BL	BL	BL
199	Grey metal(film, capacitor"CD4", PCB"BHT")	BL	BL	BL	BL	----
200	Brown paper(film, capacitor"CD4", PCB"BHT")	BL	BL	BL	BL	BL
201	Silvery metal(pin, capacitor"CD4", PCB"BHT")	BL	BL	BL	BL	----
202	White printed green plastic (sleeve, capacitor"CD12", PCB"BHT")	BL	BL	BL	BL	BL
203	Silvery metal(case, capacitor"CD12", PCB"BHT")	BL	BL	BL	BL	----
204	Black plastic(base, capacitor"CD12", PCB"BHT")	BL	BL	BL	BL	BL
205	Grey metal(film, capacitor"CD12", PCB"BHT")	BL	BL	BL	BL	----

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		Pb	Cd	Hg	Cr	Br
206	Brown paper(film, capacitor"CD12", PCB"BHT")	BL	BL	BL	BL	BL
207	Silvery metal(pin, capacitor"CD12", PCB"BHT")	BL	BL	BL	BL	BL
208	Bright yellow plastic(film, transformer"LF1", PCB"BHT")	BL	BL	BL	BL	BL
209	White plastic(holder, transformer"LF1", PCB"BHT")	BL	BL	BL	BL	BL
210	Black magnet(transformer"LF1", PCB"BHT")	BL	BL	BL	BL	----
211	Coppery metal(wire, transformer"LF1", PCB"BHT")	BL	BL	BL	BL	----
212*	Grey printed yellow plastic(case, capacitor"CX2", PCB"BHT")	BL	BL	BL	BL	X
213	Yellow glue(capacitor"CX2", PCB"BHT")	BL	BL	BL	BL	BL
214	Grey plastic(film, capacitor"CX2", PCB"BHT")	BL	BL	BL	BL	BL
215	Silvery metal with solder(capacitor"CX2", PCB"BHT")	BL	BL	BL	BL	----
216*	Blue plastic(case, capacitor"CX1", PCB"BHT")	BL	BL	BL	BL	X
217*	Grey ceramic(core, capacitor"CX1", PCB"BHT")	BL	BL	BL	BL	X
218	Metallic black printed silvery metal (holder, diode"D8", PCB"BHT")	BL	BL	BL	BL	BL
219*	Black plastic(case, diode"D8", PCB"BHT")	BL	BL	BL	BL	X
220	Silvery plated coppery metal with solder (diode"D8", PCB"BHT")	BL	BL	BL	BL	----
221	Silvery plated coppery metal (cap, resistor"R12", PCB"BHT")	BL	BL	BL	BL	BL
222	Grey ceramic(resistor"R12", PCB"BHT")	BL	BL	BL	BL	BL
223	Blue plastic(sleeve, fuse"1", PCB"BHT")	BL	BL	BL	BL	BL
224	Silvery metal(holder, fuse"1", PCB"BHT")	BL	BL	BL	BL	----
225	Transparent glass(fuse"1", PCB"BHT")	BL	BL	BL	BL	----
226	Silvery plated coppery metal with solder (cap, fuse"1", PCB"BHT")	BL	BL	BL	BL	----
227	Silvery plated coppery metal(wire, fuse"1", PCB"BHT")	BL	BL	BL	BL	----
228	Black plastic(sleeve, inductor"L5", PCB"BHT")	BL	BL	BL	BL	BL
229	Black magnet(inductor"L5", PCB"BHT")	BL	BL	BL	BL	----
230	Coppery metal(wire, inductor"L5", PCB"BHT")	BL	BL	BL	BL	----
231*	Grey printed black plastic(case, diode"D17", PCB"BHT")	BL	BL	BL	BL	X

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		Pb	Cd	Hg	Cr	Br
232* ⁴	Silvery plated coppery metal with solder (diode"D17", PCB"BHT")	OL	BL	BL	BL	----
233*	Grey printed black plastic(diode"D4", PCB"BHT")	BL	BL	BL	BL	X
234* ⁴	Silvery plated coppery metal with solder (diode"D4", PCB"BHT")	OL	BL	BL	BL	----
235*	Green plastic(LED, PCB"BHT")	BL	BL	BL	BL	X
236	Silvery metal(LED, PCB"BHT")	BL	BL	BL	BL	----
237* ¹	Black coated transparent glass(glass diode, PCB"BHT")	OL	BL	BL	BL	----
238* ⁴	Silvery plated coppery metal with solder(glass diode, PCB"BHT")	OL	BL	BL	BL	----
239	Black body(EC"U3", PCB"BHT")	BL	BL	BL	BL	BL
240	Dark green plastic(case, capacitor"C7", PCB"BHT")	BL	BL	BL	BL	BL
241	Silvery plastic(film, capacitor"C7", PCB"BHT")	BL	BL	BL	BL	BL
242	Silvery solder(PCB"BHT")	BL	BL	BL	BL	----
243*	Green printed white fiber with coppery metal(PCB"BHT")	BL	BL	BL	BL	X
244	Silvery metal(screw, PCB"MOD-01")	BL	BL	BL	BL	----
245	Silvery metal(cover, PCB"MOD-01")	BL	BL	BL	BL	----
246	Silvery metal(case, PCB"MOD-01")	BL	BL	BL	BL	----
247	Transparent plastic with glue(tube holder, PCB"MOD-01")	BL	BL	BL	BL	BL
248	White plastic(connector, PCB"MOD-01")	BL	BL	BL	BL	BL
249* ³	Silvery plated gold metal(case, connector, PCB"MOD-01")	OL	BL	BL	BL	----
250	Silvery plated gold metal(core, connector, PCB"MOD-01")	BL	BL	BL	BL	----
251*	Green plastic(tube, holder, PCB"MOD-01")	BL	BL	BL	BL	X
252	White plastic(tube, PCB"MOD-01")	BL	BL	BL	BL	BL
253	Transparent plastic(tube, PCB"MOD-01")	BL	BL	BL	BL	BL
254	Black plastic(tube, PCB"MOD-01")	BL	BL	BL	BL	BL
255	Blue plastic(tube, PCB"MOD-01")	BL	BL	BL	BL	BL
256	Black plastic(tube holder, PCB"MOD-01")	BL	BL	BL	BL	BL
257*	Silvery metal(tube holder, PCB"MOD-01")	BL	BL	BL	X	----

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
258	Black plastic(connector"PD1", PCB"MOD-01")	BL	BL	BL	BL	BL
259*	Silvery metal(connector"PD1", PCB"MOD-01")	BL	BL	BL	X	----
260	Coppery metal(connector"PD1", PCB"MOD-01")	BL	BL	BL	BL	----
261*	Black plastic(holder, socket, PCB"MOD-01")	BL	BL	BL	BL	X
262	Silvery metal(contact plate, socket, PCB"MOD-01")	BL	BL	BL	BL	BL
263	Blue plastic(case, EC"VAR3", PCB"MOD-01")	BL	BL	BL	BL	BL
264	Beige plastic(gear, EC"VAR3", PCB"MOD-01")	BL	BL	BL	BL	BL
265* ³	Silvery metal(screw, EC"VAR3", PCB"MOD-01")	OL	BL	BL	BL	----
266* ²	White ceramic(EC"VAR3", PCB"MOD-01")	OL	BL	BL	BL	----
267	Coppery metal(contact plate, EC"VAR3", PCB"MOD-01")	BL	BL	BL	BL	----
268	Golden metal(case, EC"CR2", PCB"MOD-01")	BL	BL	BL	BL	----
269*	Black core(EC"CR2", PCB"MOD-01")	BL	BL	BL	X	----
270*	Yellow body(EC"4", PCB"MOD-01")	BL	BL	BL	BL	X
271	Black body(EC"U4", PCB"MOD-01")	BL	BL	BL	BL	BL
272*	Black body(SMD transistor, PCB"MOD-01")	BL	BL	BL	BL	X
273	White printed black body(SDM resistor, PCB"MOD-01")	BL	BL	BL	BL	BL
274	Brown body(SDM capacitor, PCB"MOD-01")	BL	BL	BL	BL	BL
275	Silvery solder(PCB"MOD-01")	BL	BL	BL	BL	----
276*	Green printed white fiber with coppery metal(PCB"MOD-01")	BL	BL	BL	BL	X
277	Silvery metal(screw, PCB"COVEGA")	BL	BL	BL	BL	----
278*	Silvery printed brown fiber(PCB"COVEGA")	BL	BL	BL	BL	X
279*	Coppery metal(EC, PCB"COVEGA")	BL	BL	BL	X	----
280*	Silvery metal(socket, EC, PCB"COVEGA")	BL	BL	BL	X	----
281*	Silvery metal(screw, EC, PCB"COVEGA")	BL	BL	BL	X	----
282	Silvery metal(screw, transistor"Q6", PCB"02")	BL	BL	BL	BL	----
283	White plastic(spacer, transistor"Q6", PCB"02")	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
284	Bright blue fabric(film, transistor"Q6", PCB"02")	BL	BL	BL	BL	BL
285	Black plastic(transistor"Q6", PCB"02")	BL	BL	BL	BL	BL
286	Silvery plated coppery metal with solder (transistor"Q6", PCB"02")	BL	BL	BL	BL	----
287*	Black plastic(holder, socket, PCB"02")	BL	BL	BL	BL	X
288	Silvery metal(contact plate, socket, PCB"02")	BL	BL	BL	BL	----
289	Blue plastic(case, EC"R911", PCB"02")	BL	BL	BL	BL	BL
290	Beige plastic(gear, EC"R911", PCB"02")	BL	BL	BL	BL	BL
291* ³	Silvery metal(screw, EC"R911", PCB"02")	OL	BL	BL	BL	----
292	Coppery metal(contact plate, EC"R911", PCB"02")	BL	BL	BL	BL	----
293* ²	White ceramic(EC"R911", PCB"02")	OL	BL	BL	BL	----
294	Black magnet(inductor"L1", PCB"02")	BL	BL	BL	BL	----
295	Coppery metal(inductor"L1", PCB"02")	BL	BL	BL	BL	----
296	Black magnet(inductor"2L1", PCB"02")	BL	BL	BL	BL	----
297	Coppery metal(inductor"2L1", PCB"02")	BL	BL	BL	BL	BL
298*	Black body(EC"U5", PCB"02")	BL	BL	BL	BL	X
299*	Black body(SMD transistor, PCB"02")	BL	BL	BL	BL	X
300*	Yellow body(capacitor"C35", PCB"02")	BL	BL	BL	BL	X
301	White printed black body(SMD resistor, PCB"02")	BL	BL	BL	BL	BL
302	Brown body(SMD capacitor, PCB"02")	BL	BL	BL	BL	BL
303* ¹	Black coated transparent glass(glass diode, PCB"02")	OL	BL	BL	BL	----
304* ⁴	Coppery metal with silvery solder(glass diode, PCB"02")	OL	BL	BL	BL	----
305	Silvery solder(PCB"02")	BL	BL	BL	BL	----
306*	Green printed white fiber with coppery metal(PCB"02")	BL	BL	BL	BL	X
307	Yellow/black printed white paper(sticker, core-block)	BL	BL	BL	BL	BL
308	Yellow plated silvery metal(case, core-block)	BL	BL	BL	BL	----
309	Grey plastic(core, core-block)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
310	Black PVC(wire jacket, PCB"06")	BL	BL	BL	BL	BL
311	Yellow PVC(wire jacket, PCB"06")	BL	BL	BL	BL	BL
312	Red PVC(wire jacket, PCB"06")	BL	BL	BL	BL	BL
313	Blue PVC(wire jacket, PCB"06")	BL	BL	BL	BL	BL
314	Green PVC(wire jacket, PCB"06")	BL	BL	BL	BL	BL
315	Purple PVC(wire jacket, PCB"06")	BL	BL	BL	BL	BL
316	Silvery plated coppery metal (wire, PCB"06")	BL	BL	BL	BL	----
317	Red PVC(small wire jacket, PCB"06")	BL	BL	BL	BL	BL
318	Silvery plated coppery metal(small, wire, PCB"06")	BL	BL	BL	BL	----
319	Black plastic(holder, plug, flat cable)	BL	BL	BL	BL	BL
320	Silvery metal(contact plate, plug, flat cable)	BL	BL	BL	BL	----
321	Grey plastic(wire jacket, flat cable)	BL	BL	BL	BL	BL
322	Silvery plated coppery metal(wire, flat cable)	BL	BL	BL	BL	----

- = Not Conducted
- * = Screening by XRF and detected by chemical method. The test results of chemical method please refer to next pages.
- *1 = As claimed by the material declaration submitted by the client, the materials of the sample No. 237, 303 are glass. And according to 2011/65/EU, Lead is exempted in glass of cathode ray tubes, electronic components and fluorescent tubes.
- *2 = As claimed by the material declaration submitted by the client, the materials of the sample No. 85, 165, 266, 293 are ceramic. And according to 2011/65/EU, Lead is exempted in electronic ceramic parts (e.g. piezoelectronic devices).
- *3 = As claimed by the material declaration submitted by the client, the materials of the sample No. 5, 27, 28, 67, 84, 109, 164, 249, 265, 291 are copper alloy. And according to 2011/65/EU, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.
- *4 = As claimed by the material declaration submitted by the client, the materials of the sample No. 155, 232, 234, 238, 304 are high melting temperature type solders. And according to 2011/65/EU, Lead is exempted In high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).

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Remark:

- i Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321 Ed 1.0:2008.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	BL≤50-3σ<X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X
Br	mg/kg	BL≤300-3σ<X	--	BL≤250-3σ<X

Note:

- BL = Below Limit
- OL = Over Limit
- X = Inconclusive

- ii The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
- iii The maximum permissible limit is quoted from the document 2011/65/EU:

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominated diphenylethers (PBDEs)	1000

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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B. The Test Results of Chemical Method:

Test method:

Hexavalent Chromium Content (For metal material):

With reference to IEC 62321 Ed 1.0:2008 Annex B, by boiling-water-extraction and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321 Ed 1.0:2008 Annex A, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

1) The test results of Cr (VI)

Item	MDL	Results						Limit
		2	22	33	71	172	176	
Hexavalent Chromium (Cr (VI))	**	Negative	Negative	Negative	Negative	Negative	Negative	#
Conclusion	/	Pass	Pass	Pass	Pass	Pass	Pass	/

Item	MDL	Results						Limit
		257	259	269	279	280	281	
Hexavalent Chromium (Cr (VI))	**	Negative	Negative	Negative	Negative	Negative	Negative	#
Conclusion	/	Pass	Pass	Pass	Pass	Pass	Pass	/

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Note:

- N.D. = Not Detected or less than MDL
- Negative = Absence of Cr(VI) on the tested areas
- MDL = Method Detection Limit
- mg/kg = ppm
- ** = Spot-test:
Negative = Absence of Cr(VI) coating/ surface layer, Positive = Presence of Cr(VI) coating/ surface layer;
(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed)
Boiling-water-extraction:
Negative = Absence of Cr(VI) coating/ surface layer, Positive = Presence of Cr(VI) coating/ surface layer;
The detected concentration in boiling- water-extraction solution is equal or greater than 0.02 mg/kg with 50cm² sample surface areas.
- # =
Positive indicates the presence of Cr(VI) on the tested areas and result be regarded as conflict with RoHS requirement.
Negative indicates the absence of Cr(VI) on the tested areas and result be regarded as no conflict with RoHS requirement.

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2) The test results of PBBs & PBDEs

Item	Unit	MDL	Results					Limit
			10	12	14	17	50	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	50	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	144	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	194	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			51	69	75	80	86	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Bay Area Compliance Laboratories Corp. (Shenzhen)

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Item	Unit	MDL	Results					Limit
			87	90	101	104	110	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			116	128	135	137	142	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			143	145	154	166	171	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			180	212	216	217	219	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			231	233	235	243	251	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			261	270	272	276	278	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Results					Limit
			287	298	299	300	306	
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)								
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	20	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	39	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	59	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Note:

- N.D. = Not Detected or less than MDL
- mg/kg = ppm
- MDL = Method Detection Limit
- Photo appendix is included.

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TEST REPORT

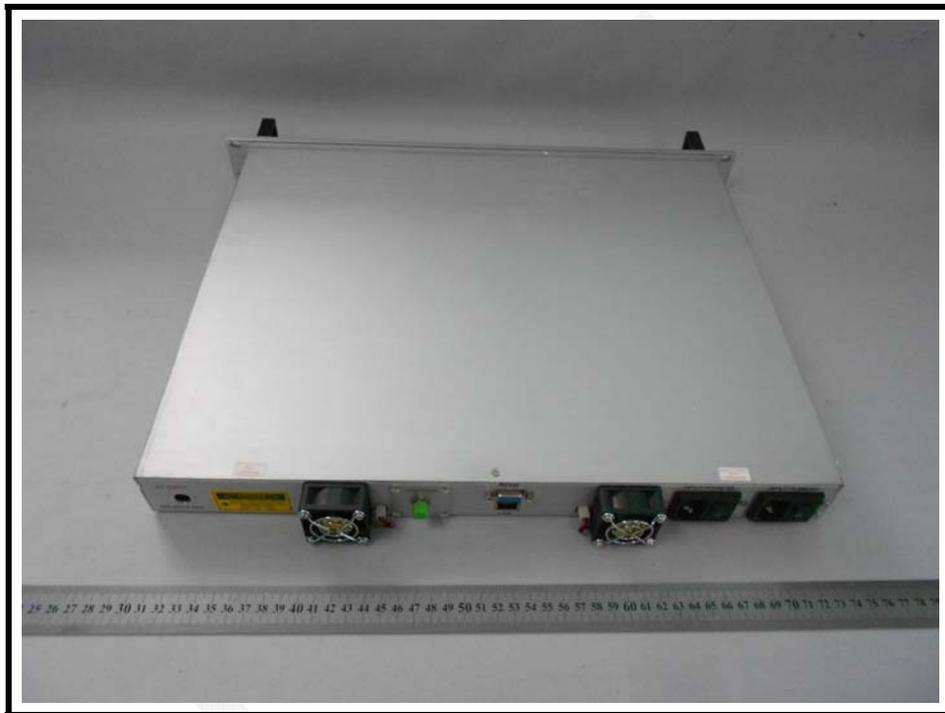
REPORT No.: R1SC121026F0678E

Date: November 29, 2012

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Appendix

Photograph of Sample



BACL authenticate the photo on original report only

*** End of Report ***

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