

# TEST REPORT

REPORT No.: R1SC120516F0220E

Date: July 23, 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. : NGB8527  
Additional Style/Item No. : HT8500, HT8510, HT8800  
Sample Receiving Date : May 16, 2012  
Lately Re-submit Date : July 10, 2012  
Testing Period : From May 16, 2012 to July 23, 2012  
Results : Please refer to next page(s).  
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. NGB8527. But  
Remark : the results only for the tested sample. And the applicant will undertake all differences  
and risk.

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**Summary of Test Results:**

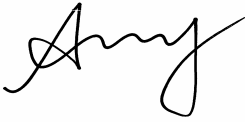
**TEST REQUEST**


**CONCLUSION**

A EU RoHS Directive 2002/95/EC and its amendment directives-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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**Results:**

**A. EU RoHS Directive 2002/95/EC and its amendment directives 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	Black soft plastic(case, plug, power wire)	BL	BL	BL	BL	BL
2*	Black plastic(holder, plug, power wire)	BL	BL	BL	BL	X
3	Silvery plated golden metal(contact plate, plug, power wire)	BL	BL	BL	BL	----
4	Silvery plated golden metal(pin, plug, power wire)	BL	BL	BL	BL	----
5	Silvery solder(pin, plug, power wire)	BL	BL	BL	BL	----
6	Black soft plastic(case, socket, power wire)	BL	BL	BL	BL	BL
7*	White plastic(holder, socket, power wire)	BL	BL	BL	BL	X
8	Golden metal(contact plate, socket, power wire)	BL	BL	BL	BL	----
9	Silvery solder(contact plate, socket, power wire)	BL	BL	BL	BL	----
10	Grey printed black soft plastic(cable jacket, power wire)	BL	BL	BL	BL	BL
11*	Blue soft plastic(wire jacket, power wire)	BL	BL	BL	BL	X
12	Green/yellow soft plastic(wire jacket, power wire)	BL	BL	BL	BL	BL
13	Brown soft plastic(wire jacket, power wire)	BL	BL	BL	BL	BL
14	Coppery metal(wire, power wire)	BL	BL	BL	BL	----
15	Silvery metal(small screw, case)	BL	BL	BL	BL	----
16	Silvery metal(long screw, case)	BL	BL	BL	BL	----
17	Dull silvery metal(short screw, case)	BL	BL	BL	BL	----
18	Silvery metal(nut, case)	BL	BL	BL	BL	----
19	Black plated silvery metal(screw, case)	BL	BL	BL	BL	----
20	Silvery metal(case)	BL	BL	BL	BL	----
21	Dull grey plated silvery metal(case)	BL	BL	BL	BL	----
22* <sup>2</sup>	Silvery plated golden metal(test socket, case)	OL	BL	BL	BL	----
23	White plastic(holder, test socket, case)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
24	Silvery plated coppery metal(contact pate, test socket, case)	BL	BL	BL	BL	----
25	Silvery solder(contact plate, test socket, case)	BL	BL	BL	BL	----
26	Black soft plastic(tube, wire holder, test socket, case)	BL	BL	BL	BL	BL
27	Silvery plated golden metal(washer, test socket, case)	BL	BL	BL	BL	----
28* <sup>2</sup>	Silvery plated golden metal(nut, test socket, case)	OL	BL	BL	BL	----
29	Transparent red plastic(wire jacket, test socket, case)	BL	BL	BL	BL	BL
30	Silvery plated coppery metal(wire, test socket, case)	BL	BL	BL	BL	BL
31	Silvery metal(nut, key socket, case)	BL	BL	BL	BL	----
32	Silvery plated golden metal(loop, key socket, case)	BL	BL	BL	BL	----
33	Silvery metal(tube, key socket, case)	BL	BL	BL	BL	----
34	Silvery plated golden metal(metal plate, key socket, case)	BL	BL	BL	BL	----
35	Silvery metal(spring, key socket, case)	BL	BL	BL	BL	----
36	Silvery/coppery plated silvery metal(contact plate, key socket, case)	BL	BL	BL	BL	----
37	Silvery plated golden metal(connector, key socket, case)	BL	BL	BL	BL	----
38	Silvery solder(connector, key socket, case)	BL	BL	BL	BL	----
39	Black plastic(tube, key socket, case)	BL	BL	BL	BL	BL
40*	Black plastic(holder, key socket, case)	BL	BL	BL	BL	X
41	White plastic(wire, test socket, case)	BL	BL	BL	BL	BL
42	Silvery solder(wire, test socket, case)	BL	BL	BL	BL	----
43	Silvery metal(screw, case)	BL	BL	BL	BL	----
44	Silvery metal(tube, screw, case)	BL	BL	BL	BL	----
45	Silvery metal(spring, screw, case)	BL	BL	BL	BL	----
46	White plastic(power socket)	BL	BL	BL	BL	BL
47	Silvery plated coppery metal(contact plate, power socket)	BL	BL	BL	BL	----
48	Black soft plastic(wire jacket, power socket)	BL	BL	BL	BL	BL
49	Blue soft plastic(wire jacket, power socket)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
50	Brown soft plastic(wire jacket, power socket)	BL	BL	BL	BL	BL
51	Silvery plated coppery metal(wire, power socket)	BL	BL	BL	BL	----
52	Black soft plastic(wire, power socket)	BL	BL	BL	BL	BL
53*	Black plastic(case, power socket)	BL	BL	BL	BL	X
54	Silvery plated golden metal(pin, power socket)	BL	BL	BL	BL	----
55	Silvery solder(pin, power socket)	BL	BL	BL	BL	----
56	Translucent glue(holder, power socket)	BL	BL	BL	BL	BL
57	White printed black plastic(button, power socket)	BL	BL	BL	BL	BL
58	Silvery metal(cap, power socket)	BL	BL	BL	BL	----
59	Silvery metal(spring, power socket)	BL	BL	BL	BL	----
60	Silvery metal(contact plate, power socket)	BL	BL	BL	BL	----
61	Beige plastic(socket, fan)	BL	BL	BL	BL	BL
62	Silvery plated coppery metal(contact plate, socket, fan)	BL	BL	BL	BL	----
63	Dull red soft plastic(thin wire jacket, fan)	BL	BL	BL	BL	BL
64	Black soft plastic(thin wire jacket, fan)	BL	BL	BL	BL	BL
65	Black body(EC, PCB, fan)	BL	BL	BL	BL	BL
66	Green/white printed brown fiber with coppery metal(PCB, fan)	BL	BL	BL	BL	BL
67	Silvery solder(PCB, fan)	BL	BL	BL	BL	----
68	Silvery metal(cover, fan)	BL	BL	BL	BL	----
69	Red/black/golden soft plastic(plastic sticker, fan)	BL	BL	BL	BL	BL
70*	Black plastic(cover, fan)	BL	BL	BL	BL	X
71*	Matt black plastic(case, fan)	BL	BL	BL	BL	X
72	Silvery metal(loop, motor, fan)	BL	BL	BL	BL	----
73	Black magnet(loop, motor, fan)	BL	BL	BL	BL	BL
74	Red plated coppery metal(wire, motor, fan)	BL	BL	BL	BL	----
75	Dull silvery metal(holder, motor, fan)	BL	BL	BL	BL	----

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
76	Coppery metal(tube, motor, fan)	BL	BL	BL	BL	----
77	Silvery metal(axis, motor, fan)	BL	BL	BL	BL	----
78*	Black plastic(holder, motor, fan)	BL	BL	BL	BL	X
79*	Black plastic(tube, motor, fan)	BL	BL	BL	BL	X
80	Black plastic(holder, flexible printed circuit wire)	BL	BL	BL	BL	BL
81	Silvery plated golden metal(contact plate, flexible printed circuit wire)	BL	BL	BL	BL	----
82	Grey soft plastic(flexible printed circuit wire)	BL	BL	BL	BL	BL
83	Silvery plated coppery metal(wire, flexible printed circuit wire)	BL	BL	BL	BL	----
84	Black plastic(cap, switch, PCB"YS3749B")	BL	BL	BL	BL	BL
85	Black plastic(button, switch, PCB"YS3749B")	BL	BL	BL	BL	BL
86*	Black plastic(holder, switch, PCB"YS3749B")	BL	BL	BL	BL	X
87	Silvery plated golden metal(holder, switch, PCB"YS3749B")	BL	BL	BL	BL	----
88	Coppery metal(contact plate, switch, PCB"YS3749B")	BL	BL	BL	BL	----
89	Silvery plated golden metal(connector, switch, PCB"YS3749B")	BL	BL	BL	BL	----
90	Translucent plastic(case, LED"D1", PCB"YS3749B")	BL	BL	BL	BL	BL
91	Silvery metal(connector, LED"D1", PCB"YS3749B")	BL	BL	BL	BL	BL
92	Green plastic(case, LED"D4", PCB"YS3749B")	BL	BL	BL	BL	----
93	Silvery metal(connector, LED"D4", PCB"YS3749B")	BL	BL	BL	BL	----
94	Silvery plated golden metal(case, socket, PCB"YS3749B")	BL	BL	BL	BL	----
95*	Black plastic(socket, PCB"YS3749B")	BL	BL	BL	BL	X
96	Golden metal(pin, socket, PCB"YS3749B")	BL	BL	BL	BL	----
97	Yellow plastic(LED, socket, PCB"YS3749B")	BL	BL	BL	BL	BL
98* <sup>2</sup>	Golden metal(tube holder, PCB"YS3749B")	OL	BL	BL	BL	----
99*	Black plastic(pin, PCB"YS3749B")	BL	BL	BL	BL	X
100	Golden metal(pin holder, PCB"YS3749B")	BL	BL	BL	BL	----
101*	Black plastic(big socket"J18", PCB"YS3749B")	BL	BL	BL	BL	X

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
102	Black plastic(socket"J13", PCB"YS3749B")	BL	BL	BL	BL	BL
103	Yellow body(SMD capacitor, PCB"YS3749B")	BL	BL	BL	BL	BL
104	Black body(EC, PCB"YS3749B")	BL	BL	BL	BL	BL
105	Silvery body(crystal, PCB"YS3749B")	BL	BL	BL	BL	----
106	Silvery body(EC"8.000", PCB"YS3749B")	BL	BL	BL	BL	----
107	Silvery solder(PCB"YS3749B")	BL	BL	BL	BL	----
108	Green/white printed white fiber with coppery metal(PCB"YS3749B")	BL	BL	BL	BL	BL
109	Black plated silvery metal(frame, screen)	BL	BL	BL	BL	----
110	Transparent plastic(cover, screen)	BL	BL	BL	BL	BL
111	Silvery soft plastic(plastic sticker, screen)	BL	BL	BL	BL	BL
112	White plastic(film, screen)	BL	BL	BL	BL	BL
113	Translucent plastic(film, screen)	BL	BL	BL	BL	BL
114	Transparent black plastic(film, screen)	BL	BL	BL	BL	BL
115	Transparent glass(screen)	BL	BL	BL	BL	BL
116	Black printed brown plastic(film, screen)	BL	BL	BL	BL	BL
117	White/yellow body(LED, screen)	BL	BL	BL	BL	BL
118	White printed translucent fiber with coppery metal(LED PCB, screen)	BL	BL	BL	BL	BL
119	Brown plastic(socket, PCB"E213371")	BL	BL	BL	BL	BL
120*	Beige plastic(socket, PCB"E213371")	BL	BL	BL	BL	X
121	Silvery plated coppery metal(holder, socket, PCB"E213371")	BL	BL	BL	BL	----
122	Silvery solder(PCB"E213371")	BL	BL	BL	BL	----
123	Green/white printed white fiber with coppery metal(PCB"E213371")	BL	BL	BL	BL	BL
124	Black printed silvery metal(case, signal combiner)	BL	BL	BL	BL	----
125	Silvery metal(screw, signal combiner)	BL	BL	BL	BL	----
126	Silvery metal(washer, signal combiner)	BL	BL	BL	BL	----
127	Silvery metal(small washer, signal combiner)	BL	BL	BL	BL	----

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
128	Silvery metal(socket, signal combiner)	BL	BL	BL	BL	----
129	White plastic(socket, signal combiner)	BL	BL	BL	BL	BL
130	Golden metal(pin, socket, signal combiner)	BL	BL	BL	BL	----
131	Golden PCB(signal combiner)	BL	BL	BL	BL	----
132	Silvery metal(screw holder)	BL	BL	BL	BL	----
133*2	Golden metal(screw holder)	OL	BL	BL	BL	----
134	Silvery metal(cover)	BL	BL	BL	BL	----
135	Green paper with transparent plastic(paper plate)	BL	BL	BL	BL	BL
136	Grey printed black plastic(sleeve, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
137	Silvery metal(case, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
138	Black soft plastic(base, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
139	Transparent soft plastic(plastic sticker, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
140	Brown paper(film, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
141	Silvery metal(film, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
142	Grey metal(film, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
143	Silvery metal(contact plate, capacitor"CD1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
144	Black soft plastic(sleeve, inductor"L5", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
145	Coppery metal(wire, inductor"L5", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
146	Black magnet(core, inductor"L5", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
147	Grey printed green plastic(sleeve, capacitor"CD16", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
148	Silvery metal(case, capacitor"CD16", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
149	Silvery metal(film, capacitor"CD16", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
150	Black soft plastic(base, capacitor"CD16", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
151	Brown paper(film, capacitor"CD16", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
152	Grey metal(film, capacitor"CD16", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
153	Silvery metal(contact plate, capacitor"CD16", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----

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Seq. No.	Tested Part(s)	Results				
		Pb	Cd	Hg	Cr	Br
154	Milky white glue(holder, PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
155	Transparent soft plastic(plastic sticker, PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
156	Yellow coating(resistor"R3", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
157	Silvery metal(resistor"R3", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
158	Grey body(resistor"R3", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
159	Grey printed black plastic(case, diode, PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
160* <sup>3</sup>	Coppery metal with silvery die(connector, diode, PCB"CH5094C(D)HT")	OL	BL	BL	BL	----
161*	Yellow plastic(case, capacitor"C14", PCB"CH5094C(D)HT")	BL	BL	BL	BL	X
162	Silvery body(film, capacitor"C14", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
163	Silvery metal with silvery solder(connector, capacitor"C14", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
164	Black body(transistor"U3", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
165	Black body(EC"BG1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
166	Coppery metal with silvery die(connector, EC"BG1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
167*	Yellow plastic(case, capacitor"CX2", PCB"CH5094C(D)HT")	BL	BL	BL	BL	X
168	Silvery body(film, capacitor"CX2", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
169	Silvery metal with silvery solder(connector, capacitor"CX2", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
170	Blue coating(case, resistor"R11", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
171	Silvery metal(cap, resistor"R11", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
172	Dull grey body(core, resistor"R11", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
173	Black plated silvery metal(support, transistor"Q1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
174	Black plastic(transistor"Q1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
175	Coppery metal with silvery die(connector, transistor"Q1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
176	Yellow soft plastic(plastic sticker, transformer, PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
177	Black magnet(transformer, PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
178	Coppery metal(wire, transformer, PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
179	Black plastic(transformer, PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
180	Blue body(EC"MOV1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
181	Silvery metal with silvery solder(connector, EC"MOV1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
182	Green coating(resistor"R28", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
183	Silvery metal(cap, resistor"R28", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
184	Silvery metal(wire, resistor"R28", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
185	White body(core, resistor"R28", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
186	Black body(EC"NTC1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
187	Silvery metal with silvery solder(connector, EC"NTC1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
188	Transparent yellow plastic(capacitor"C5", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
189	Silvery body(film, capacitor"C5", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
190	Silvery plated golden metal(cap, fuse"F1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
191	Silvery solder(cap, fuse"F1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
192	Transparent glass(case, fuse"F1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
193	Silvery metal(wire, fuse"F1", PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
194	Silvery solder(PCB"CH5094C(D)HT")	BL	BL	BL	BL	----
195	Green/white printed white fiber with coppery metal(PCB"CH5094C(D)HT")	BL	BL	BL	BL	BL
196	Silvery metal(loop, key)	BL	BL	BL	BL	----
197	Silvery metal(key)	BL	BL	BL	BL	----
198	Black plastic(key)	BL	BL	BL	BL	BL
199	Brown plastic(plastic sticker, electro-optical)	BL	BL	BL	BL	----
200	Blue soft plastic(wire jacket, electro-optical)	BL	BL	BL	BL	----
201	White plastic(wire, electro-optical)	BL	BL	BL	BL	BL
202*	Black soft plastic(wire holder, electro-optical)	BL	BL	BL	BL	X
203	Silvery metal(screw, electro-optical)	BL	BL	BL	BL	----
204	Silvery metal(holder, electro-optical)	BL	BL	BL	BL	----
205	Black soft plastic(holder, electro-optical)	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
206	Black printed white soft plastic(plastic sticker, electro-optical)	BL	BL	BL	BL	BL
207	Golden plated silvery metal(block, electro-optical)	BL	BL	BL	BL	----
208	Golden plated silvery metal(pin, electro-optical)	BL	BL	BL	BL	----
209	Silvery solder(block, electro-optical)	BL	BL	BL	BL	----
210	Dull silvery metal(block, case)	BL	BL	BL	BL	----
211	White printed green coated transparent plastic w/coppery metal(PCB"HT8500T-DTL-04")	BL	BL	BL	BL	BL
212	Silvery solder(PCB"HT8500T-DTL-04")	BL	BL	BL	BL	----
213	White plastic(case, socket, PCB"HT8500T-DTL-04")	BL	BL	BL	BL	BL
214	Silvery metal(pin, socket, PCB"HT8500T-DTL-04")	BL	BL	BL	BL	----
215*	Black plastic(case, socket, PCB"HT8500T-DTL-04")	BL	BL	BL	BL	X
216	Silvery metal(pin, socket, PCB"HT8500T-DTL-04")	BL	BL	BL	BL	----
217	Brown printed yellow body(EC"1-4", PCB"HT8500T-DTL-04")	BL	BL	BL	BL	BL
218	Black/white body(SMD resistor, PCB"HT8500T-DTL-04")	BL	BL	BL	BL	BL
219	Brown body(SMD capacitor, PCB"HT8500T-DTL-04")	BL	BL	BL	BL	BL
220	White printed green coated transparent plastic w/coppery metal(PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
221	Silvery solder(PCB"HT8500T-MOD-03")	BL	BL	BL	BL	----
222	White plastic(case, socket, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
223	Silvery metal(pin, socket, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	----
224	Brown printed yellow body(EC"1-6", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
225	Brown printed yellow body(capacitor, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
226	Black/white body(SMD resistor, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
227	Brown body(SMD capacitor, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
228	Black body(SMD diode, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
229	Grey printed black body(IC"U1-U5", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
230	Grey printed black body(IC"U6", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
231	Grey printed black body(IC"9", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
232	Black body(SMD transistor, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
233	Black body(SMD inductor, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
234	White printed black body(IC"U7, U10-U12, U15", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
235	Black printed silvery body(CR"1-2", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
236	Grey printed black plastic(case, transistor, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
237	Silvery plated coppery metal w/silvery solder(transistor, PCB"HT8500T-MOD-03")	BL	BL	BL	BL	----
238	Blue plastic(case, EC"VAR1-3", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
239	Coppery metal(screw, EC"VAR1-3", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	----
240	Brown plastic(EC"VAR1-3", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
241	Black/white ceramic(EC"VAR1-3", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
242	Silvery body(crystal"Y1", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	----
243	Yellow plastic(case, LED"D9", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
244	Silvery metal(connector, LED"D9", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	----
245	Green plastic(case, LED"D10", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	BL
246	Silvery metal(connector, LED"D10", PCB"HT8500T-MOD-03")	BL	BL	BL	BL	----
247	White printed green coated silvery plated transparent plastic w/coppery metal(PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
248	Silvery solder(PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
249	Brown printed yellow body(capacitor"C610, C611", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
250	Brown printed yellow body(capacitor"5C15, 5C16, 5C8, 5C11", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
251	Black body(SMD diode, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
252	Black/white body(SMD resistor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
253	Brown body(SMD capacitor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
254	White printed black body(IC"U503, U502", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
255	Green soft plastic(wire jacket, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
256	Silvery plated coppery metal(wire, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
257	Black plastic(case, transistor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
258	White printed silvery plated coppery metal w/silvery solder(connector, transistor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
259	Black body(SMD inductor"L601, L602", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
260	Multi-color printed green coating(inductor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
261	Black core(inductor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
262	Coppery metal(coil, inductor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
263	Silvery metal w/silvery solder(pin, inductor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
264*	Black plastic(case, socket, PCB"HT15T-RF-J04")	BL	BL	BL	BL	X
265	Silvery metal(pin, socket, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
266	Silvery plated golden metal(connector, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
267	Grey printed black body(IC"U501", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
268	Bright black body(IC, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
269	Black printed brown ceramic(capacitor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
270	Silvery metal w/silvery solder(pin, capacitor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
271	Brown plastic(base, capacitor"5C8", PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
272	Black core(inductor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
273	Coppery metal(coil, inductor, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
274	Red coated coppery metal(PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
275* <sup>1</sup>	Transparent glass(glass diode, PCB"HT15T-RF-J04")	OL	BL	BL	BL	BL
276* <sup>3</sup>	Coppery metal w/silvery solder(glass diode, PCB"HT15T-RF-J04")	OL	BL	BL	BL	----
277	Blue plastic(case, EC"VR1, VR2", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
278* <sup>2</sup>	Silvery plated golden metal(screw, EC"VR1, VR2", PCB"HT15T-RF-J04")	OL	BL	BL	BL	----
279	Off white plastic(pad, EC"VR1, VR2", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
280	Black/white ceramic(EC"VR1, VR2", PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
281	Multi-color printed brown coating w/black ceramic(resistor, small PCB, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
282	Silvery metal(cap, resistor, small PCB, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
283* <sup>1</sup>	Black printed transparent glass(glass diode, small PCB, PCB"HT15T-RF-J04")	OL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
284* <sup>3</sup>	Coppery metal w/silvery solder(glass diode, small PCB, PCB"HT15T-RF-J04")	OL	BL	BL	BL	----
285	Black core(inductor, small PCB, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
286	Coppery metal(coil, inductor, small PCB, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
287	Multi-color printed blue coating w/black ceramic(resistor, small PCB, PCB"HT15T-RF-J04")	BL	BL	BL	BL	BL
288	Silvery metal(cap, resistor, small PCB, PCB"HT15T-RF-J04")	BL	BL	BL	BL	----
289	White printed green coated transparent plastic w/coppery metal(PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
290	Silvery solder(PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
291*	Black plastic(case, socket, PCB"HT8500T-LD-03")	BL	BL	BL	BL	X
292	Silvery plated golden metal(pin, socket, PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
293	White plastic(case, socket, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
294	Silvery metal(pin, socket, PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
295	Grey printed black body(big IC, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
296	Grey printed black body(small IC, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
297	Black/white body(SMD resistor, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
298	Brown body(SMD resistor, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
299	Black body(SMD transistor, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
300	White printed black plastic(case, inductor"L1, L2", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
301	Coppery metal(coil, inductor"L1, L2", PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
302	Black core(inductor"L1, L2", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
303	Brown printed yellow body(capacitor, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
304	Black plastic(case, transistor, PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
305	Silvery plated golden metal w/silvery solder(connector, transistor, PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
306	Black core(inductor"L4, 2L1, 2L2", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
307	Coppery metal(coil, inductor"L4, 2L1, 2L2", PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
308	Blue plastic(case, EC"R8, R12, R36", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
309*2	Silvery plated golden metal(screw, EC"R8, R12, R36", PCB"HT8500T-LD-03")	OL	BL	BL	BL	----
310	Brown plastic(EC"R8, R12, R36", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
311	Black/white ceramic w/silvery solder(EC"R8, R12, R36", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
312	Black plastic(case, transistor"Q1", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
313	Silvery plated coppery metal w/silvery solder(connector, transistor"Q1", PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
314	Black plastic(case, EC"U3", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
315	White coated silvery plated coppery metal w/silvery metal(connector, EC"U3", PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
316	White printed black body(EC"R125", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
317	Black/white body(big SMD resistor"R46", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
318	Black core(inductor"L3", PCB"HT8500T-LD-03")	BL	BL	BL	BL	BL
319	Coppery metal(coil, inductor"L3", PCB"HT8500T-LD-03")	BL	BL	BL	BL	----
320	White printed green coated transparent plastic w/coppery metal(PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
321	Silvery solder(PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
322*	Black plastic(case, socket, PCB"HT8500T-PL-01")	BL	BL	BL	BL	X
323	Silvery metal(pin, socket, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
324	White plastic(case, socket, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
325	Silvery metal(pin, socket, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
326	Translucent plastic(case, socket, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
327	Silvery metal(pin, socket, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
328	White printed black soft plastic(sleeve, capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
329	Silvery metal(case, capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
330	Black soft plastic(base, capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
331	Brown paper(foil, capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
332	Silvery metal(foil, capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
333	Dull silvery metal(foil, capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
334	Silvery metal(connector, capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----

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		Pb	Cd	Hg	Cr	Br
335	Black body(IC, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
336	White coated silvery plated coppery metal w/silvery solder(connector, transistor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	----
337	Black plastic(case, transistor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
338	Brown printed yellow body(EC15, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
339	Black/white body(SMD resistor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
340	Brown body(SMD capacitor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
341	Black body(SMD transistor, PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
342	Blue plastic(case, EC"VAR1-VAR3", PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
343*2	Silvery plated golden metal(screw, EC"VAR1-VAR3", PCB"HT8500T-PL-01")	OL	BL	BL	BL	----
344	Brown plastic(EC"VAR1-VAR3", PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
345	Black/white ceramic w/silvery solder(EC"VAR1-VAR3", PCB"HT8500T-PL-01")	BL	BL	BL	BL	BL
346*	Muddy green plastic(case, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	X
347	Coppery metal(pin, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
348	White printed green coated transparent plastic w/coppery metal(PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
349	Silvery solder(PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
350*	Grey plastic(case, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	X
351	Silvery metal(pin, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
352	White plastic(case, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
353	Silvery metal(pin, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
354	Translucent plastic(case, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
355	Silvery metal(pin, socket, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
356	Black/white body(SMD capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
357	Brown body(SMD capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
358	Black body(SMD transistor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
359	White printed black body(IC"U1", PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
360	White printed black core(inductor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
361	Grey printed white plastic(case, EC, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
362	Silvery plated coppery metal(EC, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
363	Coppery metal(coil, inductor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
364	Grey printed black soft plastic(sleeve, capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
365	Silvery metal(case, capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
366	Brown paper(foil, capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
367	Silvery metal(foil, capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
368	Dull silvery metal(connector, capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
369	Silvery metal(connector, capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	----
370	Black soft plastic(base, capacitor, PCB"HT8500T-PS-01")	BL	BL	BL	BL	BL
371	Black iridescent plated silvery metal(Box"HMSS-5930")	BL	BL	BL	BL	----
372	Grey plastic w/coppery metal(PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
373	Silvery solder(PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
374	Black/white body(SMD resistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
375	Brown body(SMD capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
376	Black/blue body(SMD resistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
377	Brown printed yellow body(EC, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
378	Black body(SMD transistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
379*	Grey plastic(case, socket, PCB, Box"HMSS-5930")	BL	BL	BL	BL	X
380	Silvery metal(pin, socket, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
381* <sup>1</sup>	Tranparent glass(glass diode, PCB, Box"HMSS-5930")	OL	BL	BL	BL	BL
382* <sup>3</sup>	Coppery metal w/silvery solder(glass diode, PCB, Box"HMSS-5930")	OL	BL	BL	BL	----
383	Grey printed black soft plastic(sleeve, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
384	Silvery metal(case, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
385	Black soft plastic(base, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
386	Silvery metal(foil, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
387	Dull silvery metal(foil, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
388	Silvery metal(connector, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
389	Silvery metal(pin, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
390	Brown paper(foil, capacitor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
391	Multi-color printed blue coating(resistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
392	Silvery metal(cap, resistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
393	Black core(resistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
394	Grey printed black plastic(case, transistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
395	White coated silvery plated coppery metal(connector, transistor, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
396	Silvery body(EC, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
397	Silvery metal(case, EC, PCB, Box"HMSS-5930")	BL	BL	BL	BL	----
398	Grey printed black body(IC, small PCB, EC, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
399	Green coated transparent plastic w/coppery metal(small PCB, EC, PCB, Box"HMSS-5930")	BL	BL	BL	BL	BL
400	White printed green coated transparent plastic w/coppery metal(PCB, Box"HMSS-1930")	BL	BL	BL	BL	BL
401	Silvery solder(PCB, Box"HMSS-1930")	BL	BL	BL	BL	----
402	Coppery metal(pad, PCB, Box"HMSS-1930")	BL	BL	BL	BL	----
403* <sup>1</sup>	Transparent glass(glass diode, PCB, Box"HMSS-1930")	OL	BL	BL	BL	BL
404* <sup>3</sup>	Coppery metal w/silvery solder(glass diode, PCB, Box"HMSS-1930")	OL	BL	BL	BL	----
405	Black printed white ceramic(EC, pad, PCB, Box"HMSS-1930")	BL	BL	BL	BL	BL

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- = 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. is 275, 283, 381, 403 glass. And according to RoHS directive 2002/95/EC and its amendments, 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. 22, 28, 98, 133, 278, 309, 343 are copper alloy. And according to RoHS directive 2002/95/EC and its amendments, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.
- \*3 = As claimed by the material declaration submitted by the client, the materials of the sample No. 160, 276, 284, 382, 404 is high melting temperature type solders. And according to RoHS directive 2002/95/EC and its amendments, Lead is exempted in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).

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

\*\*\*\*\*

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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 2005/618/EC amending RoHS directive 2002/95/EC:

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:

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

### 1) The test results of PBBs & PBDEs

Item	Unit	MDL	Results				Limit
			2	7	11	40	
<b>Polybrominated Biphenyls (PBBs)</b>							
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
<b>Polybrominated Diphenylethers (PBDEs)(Mon-Deca)</b>							
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	22	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	36	N.D.	16	N.D.	
Decabromodiphenyl ether	mg/kg	5	236	N.D.	85	N.D.	
Total content	mg/kg	/	294	N.D.	101	N.D.	1000 mg/kg

\*\*\*\*\*

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Item	Unit	MDL	Results				Limit
			53	70	71	78	
<b>Polybrominated Biphenyls (PBBs)</b>							
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
<b>Polybrominated Diphenylethers (PBDEs)(Mon-Deca)</b>							
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	77	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	25	35	28	25	
Decabromodiphenyl ether	mg/kg	5	50	146	108	140	
Total content	mg/kg	/	152	181	136	165	1000 mg/kg

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Item	Unit	MDL	Results				Limit
			79	86	95	99	
<b>Polybrominated Biphenyls (PBBs)</b>							
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
<b>Polybrominated Diphenylethers (PBDEs)(Mon-Deca)</b>							
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	29	N.D.	N.D.	23	
Decabromodiphenyl ether	mg/kg	5	116	N.D.	N.D.	105	
Total content	mg/kg	/	145	N.D.	N.D.	128	1000 mg/kg

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Item	Unit	MDL	Results				Limit
			101	120	161	167	
<b>Polybrominated Biphenyls (PBBs)</b>							
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
<b>Polybrominated Diphenylethers (PBDEs)(Mon-Deca)</b>							
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	10	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	65	N.D.	N.D.	N.D.	
Total content	mg/kg	/	75	N.D.	N.D.	N.D.	1000 mg/kg

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Item	Unit	MDL	Results				Limit
			202	215	264	291	
<b>Polybrominated Biphenyls (PBBs)</b>							
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
<b>Polybrominated Diphenylethers (PBDEs)(Mon-Deca)</b>							
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	17	N.D.	N.D.	14	
Decabromodiphenyl ether	mg/kg	5	93	N.D.	N.D.	91	
Total content	mg/kg	/	110	N.D.	N.D.	105	1000 mg/kg

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Item	Unit	MDL	Results				Limit
			322	346	350	379	
<b>Polybrominated Biphenyls (PBBs)</b>							
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	1000 mg/kg
<b>Polybrominated Diphenylethers (PBDEs)(Mon-Deca)</b>							
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	N.D.	N.D.	1000 mg/kg

Note:

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

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## Appendix

Photograph of Sample



BACL authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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