



TEST REPORT

REPORT No.: RSZ160310D0050E

Date: April 6, 2016

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**Advanced Technologies SRL.
Ion Heliade Radulescu nr26, Bucharest 021255, ROMANIA**

Report on the submitted samples said to be:

Sample Description : Smartphone Xylo
Style/ Item No. : Xylo Q, Xylo X
Sample Receiving Date : March 23, 2016
Testing Period : March 23, 2016 – April 5, 2016
Result : Please refer to next page(s).

Signed for and on behalf of

BACL

Checked by: Candance
Candance Yu
Engineer

Approved by: Leo Gao
Leo Gao
Lab Manager

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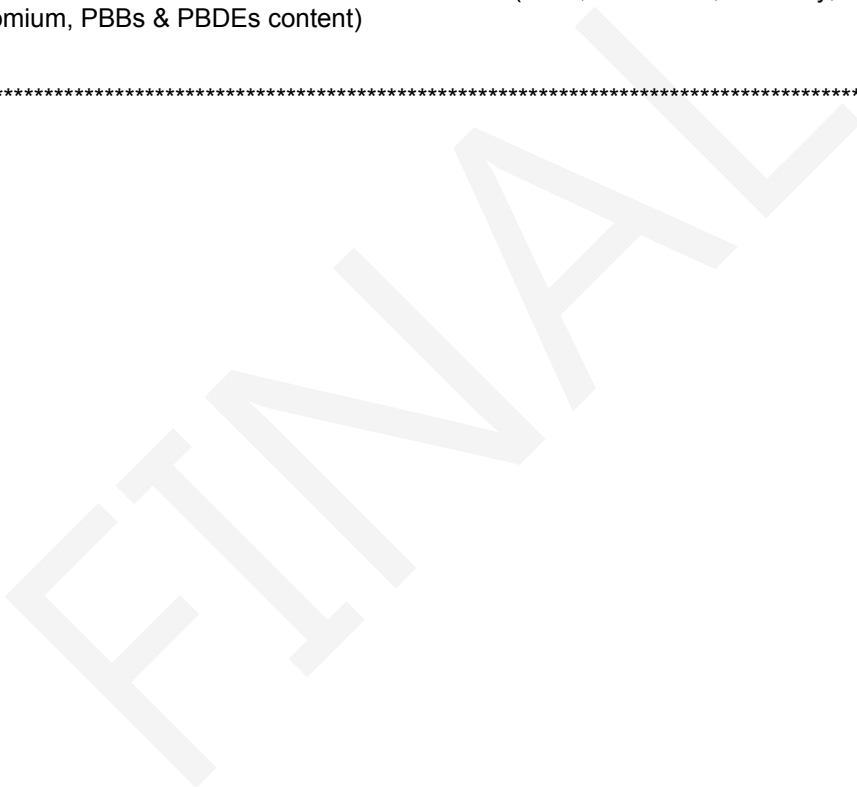
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Summary of Test Result:

TEST REQUEST

CONCLUSION

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

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

Test method: With reference to IEC62321-3-1:2013 screening by X-ray Fluorescence Spectroscopy (XRF)

Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
1	Black plastic(case, big plug, USB wire)	BL	BL	BL	BL	BL
2	Silvery metal(holder, big plug, USB wire)	BL	BL	BL	BL	---
3	White plastic(pin holder, big plug, USB wire)	BL	BL	BL	BL	BL
4	Silvery plated coppery metal(pin, big plug, USB wire)	BL	BL	BL	BL	---
5	Silvery solder(big plug, USB wire)	BL	BL	BL	BL	---
6	Black plastic(case, small plug, USB wire)	BL	BL	BL	BL	BL
7*	Silvery metal(holder, small plug, USB wire)	BL	BL	BL	X	---
8	Black plastic(pin holder, small plug, USB wire)	BL	BL	BL	BL	BL
9	Silvery metal(clip, small plug, USB wire)	BL	BL	BL	BL	---
10	Silvery metal(pin, small plug, USB wire)	BL	BL	BL	BL	---
11	Silvery solder(small plug, USB wire)	BL	BL	BL	BL	---
12	Black plastic(wire jacket, USB wire)	BL	BL	BL	BL	BL
13	Red plastic(inner wire jacket, USB wire)	BL	BL	BL	BL	BL
14	White plastic(inner wire jacket, USB wire)	BL	BL	BL	BL	BL
15	Green plastic(inner wire jacket, USB wire)	BL	BL	BL	BL	BL
16	Black plastic(inner wire jacket, USB wire)	BL	BL	BL	BL	BL
17	Coppery metal(wire, USB wire)	BL	BL	BL	BL	---
18	Gray printed black plastic(case, adapter)	BL	BL	BL	BL	BL
19	Silvery metal(pin, adapter)	BL	BL	BL	BL	---
20	Silvery metal(contact chip, adapter)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
21	Gray printed black plastic(case, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	BL
22	Silvery metal(case, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	---
23	Black plastic(base, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	BL
24	Silvery metal(connector, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	---
25	Silvery metal(foil, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	---
26	Dull silvery metal(foil, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	---
27	Brown paper(film, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	BL
28	Golden printed black plastic(case, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	BL
29	Silvery metal(case, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	---
30	Black plastic(base, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	BL
31	Silvery metal(connector, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	---
32	Silvery metal(foil, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	---
33	Dull silvery metal(foil, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	---
34	Brown paper(film, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	BL
35	Blue ceramic(capacitor"CY1", PCB, adapter)	BL	BL	BL	BL	---
36	Silvery metal(pin, capacitor"CY1", PCB, adapter)	BL	BL	BL	BL	---
37	Multi color coating(resistor "FR1" , PCB, adapter)	BL	BL	BL	BL	BL
38	White ceramic(resistor "FR1" , PCB, adapter)	BL	BL	BL	BL	---
39	Silvery plated coppery metal(wire, resistor "FR1" , PCB, adapter)	BL	BL	BL	BL	---
40	Silvery metal(pin, resistor "FR1" , PCB, adapter)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
41	Silvery metal(Cap, resistor "FR1" , PCB, adapter)	BL	BL	BL	BL	---
42	Multi color coating(Inductance "L1" , PCB, adapter)	BL	BL	BL	BL	BL
43	Black magnet(Inductance "L1" , PCB, adapter)	BL	BL	BL	BL	---
44	Coppery metal(wire, Inductance "L1" , PCB, adapter)	BL	BL	BL	BL	---
45	Silvery metal(pin, Inductance "L1" , PCB, adapter)	BL	BL	BL	BL	---
46	Yellow plastic(sticker, transformer, PCB, adapter)	BL	BL	BL	BL	BL
47	Black plastic(holder, transformer, PCB, adapter)	BL	BL	BL	BL	BL
48	Black magnet(transformer, PCB, adapter)	BL	BL	BL	BL	---
49	Coppery metal(coil, transformer, PCB, adapter)	BL	BL	BL	BL	---
50	Silvery plated coppery metal(pin, transformer, PCB, adapter)	BL	BL	BL	BL	---
51	Black plastic(sleeve, transformer, PCB, adapter)	BL	BL	BL	BL	BL
52	Transparent plastic(sleeve, transformer, PCB, adapter)	BL	BL	BL	BL	BL
53	Transparent plastic(wire jacket, transformer, PCB, adapter)	BL	BL	BL	BL	BL
54	Yellow plastic(wire jacket, transformer, PCB, adapter)	BL	BL	BL	BL	BL
55	Silvery metal(holder, USB socket, PCB, adapter)	BL	BL	BL	BL	---
56	Black plastic(USB socket, PCB, adapter)	BL	BL	BL	BL	BL
57	Silvery plated coppery metal(pin, USB socket, PCB, adapter)	BL	BL	BL	BL	---
58*	Black plastic(slice, PCB, adapter)	BL	BL	BL	BL	X
59	Yellow glue(PCB, adapter)	BL	BL	BL	BL	BL
60	Black body(IC "U1" , PCB, adapter)	BL	BL	BL	BL	BL

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		Pb	Cd	Hg	Cr	Br
61	Black body(BD1, PCB, adapter)	BL	BL	BL	BL	BL
62	Brown body(SMD capacitor"C4", PCB, adapter)	BL	BL	BL	BL	BL
63	Black body(SMD capacitor"C3", PCB, adapter)	BL	BL	BL	BL	BL
64	Black body(SMD resistance"R1", PCB, adapter)	BL	BL	BL	BL	BL
65	Black body(diode "D1", PCB, adapter)	BL	BL	BL	BL	BL
66	Silvery solder(PCB, adapter)	BL	BL	BL	BL	---
67*	Green coated black fiber with coppery metal(PCB, adapter)	BL	BL	BL	BL	X
68	Blue/silvery printed black plastic(rear cover, mobile phone)	BL	BL	BL	BL	BL
69	Black plastic(cover, side key, rear cover, mobile phone)	BL	BL	BL	BL	BL
70	Transparent plastic(cover, side key, rear cover, mobile phone)	BL	BL	BL	BL	BL
71	Transparent plastic(cover LED, middle case, mobile phone)	BL	BL	BL	BL	BL
72	Black coated transparent glass(camera cover, middle case, mobile phone)	BL	BL	BL	BL	---
73	Silvery coating black plastic(holder, camera cover, middle case, mobile phone)	BL	BL	BL	BL	BL
74	Black fabric(sticker, middle case, mobile phone)	BL	BL	BL	BL	BL
75	Black/Brown plastic with coppery metal(auxiliary antenna, middle case, mobile phone)	BL	BL	BL	BL	BL
76	Black plastic(case, middle case, mobile phone)	BL	BL	BL	BL	BL
77	Black fabric(sticker, small speaker, mobile phone)	BL	BL	BL	BL	BL
78	Black plastic(sticker, small speaker, mobile phone)	BL	BL	BL	BL	BL
79	Black plastic(case, small speaker, mobile phone)	BL	BL	BL	BL	BL
80	Silvery metal(cover, small speaker, mobile phone)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
81	Coppery metal(coil, small speaker, mobile phone)	BL	BL	BL	BL	---
82	Transparent plastic(film, small speaker, mobile phone)	BL	BL	BL	BL	BL
83	Silvery metal(holder, small speaker, mobile phone)	BL	BL	BL	BL	---
84	Silvery magnet(small speaker, mobile phone)	BL	BL	BL	BL	---
85	Silvery metal(plate, small speaker, mobile phone)	BL	BL	BL	BL	---
86	Silvery plated coppery metal(pin, small speaker, mobile phone)	BL	BL	BL	BL	---
87	Black plastic(wire jacket, big speaker, mobile phone)	BL	BL	BL	BL	BL
88	Red plastic(wire jacket, big speaker, mobile phone)	BL	BL	BL	BL	BL
89	Silvery metal(wire, big speaker, mobile phone)	BL	BL	BL	BL	---
90	Silvery solder(big speaker, mobile phone)	BL	BL	BL	BL	---
91	Silvery metal(contact chip, big speaker, mobile phone)	BL	BL	BL	BL	---
92	Black glue(big speaker, mobile phone)	BL	BL	BL	BL	BL
93	Black plastic(holder, big speaker, mobile phone)	BL	BL	BL	BL	BL
94	Silvery plastic(sticker, big speaker, mobile phone)	BL	BL	BL	BL	BL
95	Transparent plastic(film, big speaker, mobile phone)	BL	BL	BL	BL	BL
96	Black/Silvery plastic(film, big speaker, mobile phone)	BL	BL	BL	BL	BL
97	Coppery metal(coil, big speaker, mobile phone)	BL	BL	BL	BL	---
98	Silvery metal(plate, big speaker, mobile phone)	BL	BL	BL	BL	---
99	Silvery magnet(big speaker, mobile phone)	BL	BL	BL	BL	---
100	Silvery metal(case, big speaker, mobile phone)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
101	Black plastic(sticker, front camera, mobile phone)	BL	BL	BL	BL	BL
102	Black plastic(case, front camera, mobile phone)	BL	BL	BL	BL	BL
103	Black plastic(lens case, front camera, mobile phone)	BL	BL	BL	BL	BL
104	Iridescent glass(front camera, mobile phone)	BL	BL	BL	BL	---
105	Black plastic(ring, front camera, mobile phone)	BL	BL	BL	BL	BL
106	Transparent plastic(front camera, mobile phone)	BL	BL	BL	BL	BL
107	Black plastic(gasket, front camera, mobile phone)	BL	BL	BL	BL	BL
108	Green body with clear glass(core, front camera, mobile phone)	BL	BL	BL	BL	BL
109	Brown plastic with coppery metal(flat cable, front camera, mobile phone)	BL	BL	BL	BL	BL
110	Silvery metal(plate, front camera, mobile phone)	BL	BL	BL	BL	---
111	Silvery plastic(sticker, back camera, mobile phone)	BL	BL	BL	BL	BL
112	Black plastic(case, back camera, mobile phone)	BL	BL	BL	BL	BL
113	Black plastic(lens case, back camera, mobile phone)	BL	BL	BL	BL	BL
114	Iridescent glass(back camera, mobile phone)	BL	BL	BL	BL	---
115	Black plastic(ring, back camera, mobile phone)	BL	BL	BL	BL	BL
116	Transparent plastic(back camera, mobile phone)	BL	BL	BL	BL	BL
117	Black plastic(gasket, back camera, mobile phone)	BL	BL	BL	BL	BL
118	Green body with clear glass(core, back camera, mobile phone)	BL	BL	BL	BL	BL
119	Brown plastic with coppery metal(flat cable, back camera, mobile phone)	BL	BL	BL	BL	BL
120	Silvery metal(plate, back camera, mobile phone)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
121	Black plastic(wire jacket, mic, mobile phone)	BL	BL	BL	BL	BL
122	Red plastic(wire jacket, mic, mobile phone)	BL	BL	BL	BL	BL
123	Silvery metal(wire, mic, mobile phone)	BL	BL	BL	BL	---
124	Black plastic(sleeve, mic, mobile phone)	BL	BL	BL	BL	BL
125	Black plastic(sticker, mic, mobile phone)	BL	BL	BL	BL	BL
126	Golden metal(case, mic, mobile phone)	BL	BL	BL	BL	---
127	Silvery solder(mic, mobile phone)	BL	BL	BL	BL	---
128	Green coated white fiber with coppery metal(PCB, mic, mobile phone)	BL	BL	BL	BL	BL
129	White plastic(ring, mic, mobile phone)	BL	BL	BL	BL	BL
130	Red plastic(ring, mic, mobile phone)	BL	BL	BL	BL	BL
131	Silvery soft plastic(film, mic, mobile phone)	BL	BL	BL	BL	BL
132	Silvery metal(ring plate, mic, mobile phone)	BL	BL	BL	BL	---
133	Silvery metal(plate, mic, mobile phone)	BL	BL	BL	BL	---
134	Silvery metal(ring, mic, mobile phone)	BL	BL	BL	BL	---
135	Red plastic(wire jacket, motor, mobile phone)	BL	BL	BL	BL	BL
136	Blue plastic(wire jacket, motor, mobile phone)	BL	BL	BL	BL	BL
137	Silvery metal(wire, motor, mobile phone)	BL	BL	BL	BL	---
138	Black plastic(sticker, motor, mobile phone)	BL	BL	BL	BL	BL
139	Silvery plastic(sticker, motor, mobile phone)	BL	BL	BL	BL	BL
140	Silvery metal(case, motor, mobile phone)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
141	Transparent plastic(inner sticker, case, motor, mobile phone)	BL	BL	BL	BL	BL
142	Silvery metal(shaft, motor, mobile phone)	BL	BL	BL	BL	---
143	Silvery magnet(motor, mobile phone)	BL	BL	BL	BL	---
144	Silvery metal(rotor, motor, mobile phone)	BL	BL	BL	BL	---
145	Coppery metal(coil, motor, mobile phone)	BL	BL	BL	BL	---
146	White plastic(holder, inner motor, mobile phone)	BL	BL	BL	BL	BL
147	Coppery metal(bearing, motor, mobile phone)	BL	BL	BL	BL	---
148	Silvery metal(holder, motor, mobile phone)	BL	BL	BL	BL	---
149	Green coating with coppery metal(PCB, motor, mobile phone)	BL	BL	BL	BL	BL
150	Brown plastic with coppery metal(flat cable, inner motor, mobile phone)	BL	BL	BL	BL	BL
151	Transparent glue(motor, mobile phone)	BL	BL	BL	BL	BL
152	Silvery solder(motor, mobile phone)	BL	BL	BL	BL	---
153	Silvery metal(case, USB socket, PCB, mobile phone)	BL	BL	BL	BL	---
154	Black plastic(holder, USB socket, PCB, mobile phone)	BL	BL	BL	BL	BL
155	Silvery plated coppery metal(pin, USB socket, PCB, mobile phone)	BL	BL	BL	BL	---
156	Black plastic(earphone socket, main PCB, mobile phone)	BL	BL	BL	BL	BL
157	Golden metal(contact chip, earphone socket, main PCB, mobile phone)	BL	BL	BL	BL	---
158*	Silvery metal(case, SIM1/SIM2 socket, main PCB, mobile phone)	BL	BL	BL	X	---
159*	Black plastic(holder, SIM1/SIM2 socket, main PCB, mobile phone)	BL	BL	BL	BL	X
160	Silvery plated coppery metal(pin, SIM1/SIM2 socket, main PCB, mobile phone)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
161*	Silvery metal(case, TF socket, main PCB, mobile phone)	BL	BL	BL	X	---
162	Black plastic(holder, TF socket, main PCB, mobile phone)	BL	BL	BL	BL	BL
163	Silvery metal(pin, TF socket, main PCB, mobile phone)	BL	BL	BL	BL	---
164	Silvery metal(cover, battery socket, main PCB, mobile phone)	BL	BL	BL	BL	---
165	Black plastic(battery socket, main PCB, mobile phone)	BL	BL	BL	BL	BL
166	Golden metal(contact chip, battery socket, main PCB, mobile phone)	BL	BL	BL	BL	---
167	Black plastic(cover, socket, main PCB, mobile phone)	BL	BL	BL	BL	BL
168	White plastic(holder, socket, main PCB, mobile phone)	BL	BL	BL	BL	BL
169	Silvery metal(pin, socket, main PCB, mobile phone)	BL	BL	BL	BL	---
170	Golden metal(case, EC socket, main PCB, mobile phone)	BL	BL	BL	BL	---
171	Black plastic(holder, EC socket, main PCB, mobile phone)	BL	BL	BL	BL	BL
172	Golden metal(contact chip, EC socket, main PCB, mobile phone)	BL	BL	BL	BL	---
173	Silvery fabric(sticker, main PCB, mobile phone)	BL	BL	BL	BL	BL
174	Yellow/black printed white paper(sticker, main PCB, mobile phone)	BL	BL	BL	BL	BL
175	Silvery metal(cover, main PCB, mobile phone)	BL	BL	BL	BL	---
176	Black body(IC, main PCB, mobile phone)	BL	BL	BL	BL	BL
177	Brown body(SMD capacitor, main PCB, mobile phone)	BL	BL	BL	BL	BL
178	Black body(SMD capacitor, main PCB, mobile phone)	BL	BL	BL	BL	BL
179	White body(SMD capacitor, main PCB, mobile phone)	BL	BL	BL	BL	BL
180	Golden body(crystal oscillator, main PCB, mobile phone)	BL	BL	BL	BL	BL

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
181	Black body(SMD resistance, main PCB, mobile phone)	BL	BL	BL	BL	BL
182	Black body(SMD inductance, main PCB, mobile phone)	BL	BL	BL	BL	BL
183	Black body(SMD diode, main PCB, mobile phone)	BL	BL	BL	BL	BL
184	Black body(SMD triode, main PCB, mobile phone)	BL	BL	BL	BL	BL
185	Blue body(EC, main PCB, mobile phone)	BL	BL	BL	BL	BL
186	Yellow body(LED, main PCB, mobile phone)	BL	BL	BL	BL	BL
187	Black body(flash lamp, main PCB, mobile phone)	BL	BL	BL	BL	BL
188	Golden metal(contact chip, main PCB, mobile phone)	BL	BL	BL	BL	---
189	Silvery metal(antenna, main PCB, mobile phone)	BL	BL	BL	BL	---
190	Black plastic(sticker, side key, mobile phone)	BL	BL	BL	BL	BL
191	Silvery metal(clips, side key, mobile phone)	BL	BL	BL	BL	---
192	Brown plastic with coppery metal(flat cable, side key, mobile phone)	BL	BL	BL	BL	BL
193	Silvery metal(plate, side key, mobile phone)	BL	BL	BL	BL	---
194	Silvery solder(main PCB, mobile phone)	BL	BL	BL	BL	---
195*	Blue coated brown fiber with coppery metal(main PCB, mobile phone)	BL	BL	BL	BL	X
196	Black printed white plastic(sticker, front case, mobile phone)	BL	BL	BL	BL	BL
197	Silvery plastic(sticker, front case, mobile phone)	BL	BL	BL	BL	BL
198	Silvery metal(net, front case, mobile phone)	BL	BL	BL	BL	---
199	Black plastic(front case, mobile phone)	BL	BL	BL	BL	BL
200	Silvery solder(flat cable, front case, mobile phone)	BL	BL	BL	BL	---

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Seq. No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
201	Brown plastic with coppery metal(flat cable, front case, mobile phone)	BL	BL	BL	BL	BL
202	Black coating transparent glass(touch screen, front case, mobile phone)	BL	BL	BL	BL	---
203	Silvery black glass(screen, mobile phone)	BL	BL	BL	BL	---
204	Transparent black glass(screen, mobile phone)	BL	BL	BL	BL	---
205	Silvery metal(base, screen, mobile phone)	BL	BL	BL	BL	---
206	White plastic(gasket, inner case, screen, mobile phone)	BL	BL	BL	BL	BL
207	Transparent hard plastic(film, screen, mobile phone)	BL	BL	BL	BL	BL
208	White plastic(film, screen, mobile phone)	BL	BL	BL	BL	BL
209	Black plastic(sticker, screen, mobile phone)	BL	BL	BL	BL	BL
210	White transluence plastic(film, screen, mobile phone)	BL	BL	BL	BL	BL
211	Iridescent plastic(film, screen, mobile phone)	BL	BL	BL	BL	BL
212	Silvery transluence plastic(film, screen, mobile phone)	BL	BL	BL	BL	BL
213	White body(LED, screen, mobile phone)	BL	BL	BL	BL	BL
214	Transparent black plastic(sticker, screen, mobile phone)	BL	BL	BL	BL	BL

Note:

- = Not Conducted
- * = Screening by XRF and detected by chemical method. The test Result of chemical method please refer to next pages.

Remark:

- i Result 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 IEC62321-3-1:2013.

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Element	Unit	Polymers	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
- IN / X = Inconclusive (questionable, need further chemical analysis)

- 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 RoHS directive 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

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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.

The Test Result of Chemical Method:

Test method:

Hexavalent Chromium Content (For metal material):

With reference to IEC 62321-7-1:2015, by boiling-water-extraction and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

1) The test Result of Cr (VI)

Item	MDL	Result			Limit
		7	158	161	
Hexavalent Chromium (Cr (VI))	**	Negative	Negative	Negative	#
Conclusion	/	Pass	Pass	Pass	/

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Note:

- <=Less than
- Negative = Absence of Cr(VI) on the tested areas
- MDL = Method Detection Limit
- ** = 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.
For corrosion protection coatings on metals: Information on storage conditions and production date of the tested sample is unavailable and thus Result of Cr(VI) represent status of the sample at the time of testing.
- # =
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 Result of PBBs & PBDEs

Item	Unit	MDL	Result				Limit
			58	67	159	195	
Polybrominated Biphenyls (PBBs)							
Monobromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Dibromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Tribromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Tetrabromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Pentabromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Hexabromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Heptabromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Octabromobiphenyl	mg/kg	5	<5	<5	<5	<5	/
Nonabromodiphenyl	mg/kg	5	<5	<5	<5	<5	/
Decabromodiphenyl	mg/kg	5	<5	<5	<5	<5	/
Total content	mg/kg	/	/	/	/	/	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)							
Monobromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Dibromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Tribromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Tetrabromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Pentabromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Hexabromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Heptabromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Octabromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Nonabromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Decabromodiphenyl ether	mg/kg	5	<5	<5	<5	<5	/
Total content	mg/kg	/	/	/	/	/	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	/

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Note:

- <=Less than
- MDL = Method Detection Limit
- The Result less than MDL are not taken into account while calculating the sum contents.
- Photo appendix is included.

FURNAL

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Appendix

Photograph of Sample



BACL authenticate the photo on original report only

*** End of Report ***

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