



RoHS TEST REPORT

Applicant : Shenzhen Chainway Information Technology Co.,Ltd.

Product name : Mobile Data Terminal

Model name : C70

Trade name : CHAINWAY

Brand name : CHAINWAY

Test request : As required client, based on the RoHS Directive 2011/65/EU and amended by (EU) 2015/863, to determine the total Content of Lead, Cadmium, Mercury, Chromium VI, Polybrominated Diphenyls, Polybrominated Diphenyl Ethers in the submitted samples

Issue date : 2017-10-12

SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.

NOTE: This document is issued by MORLAB, the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.



DIRECTORY

TEST REPORT DECLARATION.....	3
1. TECHNICAL INFORMATION.....	4
1.1. APPLICANT INFORMATION.....	4
1.2. EQUIPMENT UNDER TEST (EUT) DESCRIPTION.....	4
2. COMPONENT DESCRIPTION.....	4
3. TEST METHODS.....	18
3.1. SCREENING TEST BY XRF SPECTROSCOPY.....	18
3.2. CHEMICAL TEST.....	18
4. TEST RESULTS AND PHOTOGRAPHS OF SAMPLE.....	19
ANNEX A PHOTOGRAPHS OF THE EUT.....	64
ANNEX B GENERAL INFORMATION.....	65



Test Report Declaration

Applicant	Shenzhen Chainway Information Technology Co.,Ltd.
Applicant Address	9/F, Building 2, Daqian Industrial Park, Longchang Rd., District 67, Bao'an, Shenzhen
Manufacturer	Shenzhen Chainway Information Technology Co.,Ltd.
Manufacturer Address	9/F, Building 2, Daqian Industrial Park, Longchang Rd., District 67, Bao'an, Shenzhen
Product Name	Mobile Data Terminal
Model Name	C70
Test Standard	IEC 62321-3-1: 2013, IEC 62321-5: 2013, IEC 62321-4: 2013, IEC62321-7-1:2015, IEC 62321-6: 2015, IEC 62321-7-2:2017
Test Date	2017-09-11 to 2017-10-11
Test Conclusion	Based on the verification results of the submitted samples, the results comply with the limits as set by RoHS Directive 2011/65/EU

Tested by : Liu Rui
Liu Rui(Test engineer)

Approved by : Xiaoshan Ni
Xiaoshan Ni (Supervisor)



1. Technical Information

Note: Provided by applicant

1.1. Applicant Information

Company: Shenzhen Chainway Information Technology Co.,Ltd.
Address: 9/F, Building 2, Daqian Industrial Park, Longchang Rd., District 67, Bao'an,
Shenzhen

1.2. Equipment under Test (EUT) Description

Brand Name:	CHAINWAY
Trade Name:	CHAINWAY
Model Name:	C70

2. Component Description

Part No.	Sample No.	Sample Description	Sample Material
1	A	Mobile Data Terminal	
2	A-1	SCREW	METAL
3	A-2	BACK COVER	
4	A-2-1	BLACK PLASTIC	POLYMER
5	A-2-2	BLACK RUBBER	METAL
6	A-2-3	YELLOW LABEL	COMPOSITE
7	A-2-4	CEMARA PROTECTIVE PLATE	POLYMER
8	A-2-5	ALUMINUM DECORATIVE SHEET	METAL
9	A-2-6	SCAN LENS PROTECTIVE SHEET	POLYMER
10	A-2-7	PURPLE BUTTON	POLYMER
11	A-2-8	GRAY BUTTON	POLYMER



Part No.	Sample No.	Sample Description	Sample Material
12	A-2-9	BLACK WATERPOOF RUBBER	POLYMER
13	A-2-10	SPEAKER PROTECTIVE FILM	POLYMER
14	A-2-11	BLACK GLUE	COMPOSITE
15	A-2-12	YELLOW METAL	METAL
16	A-3	SPEAKER	
17	A-3-1	BLACK PLASTIC	POLYMER
18	A-3-2	SILVER METAL	METAL
19	A-3-3	SILVER MAGNET	METAL
20	A-3-4	RED COIL	METAL
21	A-3-5	PAPER	COMPOSITE
22	A-3-6	TRANSPARENT FILM	POLYMER
23	A-3-7	METAL PIN	METAL
24	A-4	BLACK PLASTIC	POLYMER
25	A-5	SILVER SCREW	METAL
26	A-6	YELLOW METAL PIN	METAL
27	A-7	SILVER METAL	METAL
28	A-8	BASEBAND	COMPOSITE
29	A-9	LED COMPONET	
30	A-9-1	LED	COMPOSITE
31	A-9-2	BASEBAND	COMPOSITE
32	A-9-3	PCB	COMPOSITE
33	A-10	SENSOR COMPONENT	



Part No.	Sample No.	Sample Description	Sample Material
34	A-10-1	IC	COMPOSITE
35	A-10-2	BASEBAND	COMPOSITE
36	A-10-3	SILVER METAL	METAL
37	A-11	TRANSPARENT PLASTIC	POLYMER
38	A-12	MOTOR	
39	A-12-1	BLACK SPONGE	COMPOSITE
40	A-12-2	SILVER METAL	METAL
41	A-12-3	SILVER MAGNET	METAL
42	A-12-4	WHITE PLASTIC	POLYMER
43	A-12-5	PCB	COMPOSITE
44	A-12-6	SILVER METAL	METAL
45	A-12-7	COPPER COIL	METAL
46	A-12-8	COPPER METAL	METAL
47	A-12-9	RED WIRE SHEATH	POLYMER
48	A-12-10	BLUE WIRE SHEATH	POLYMER
49	A-12-11	SILVER WIRE	METAL
50	A-12-12	BASEBAND	COMPOSITE
51	A-12-13	WHITE PLASTIC	POLYMER
52	A-12-14	SILVER METAL PIN	METAL
53	A-13	SCAN COMPONENT	
54	A-13-1	BLACK FILM	POLYMER
55	A-13-2	SILVER METAL	METAL



Part No.	Sample No.	Sample Description	Sample Material
56	A-13-3	TRANSPARENT PLASTIC	POLYMER
57	A-13-4	LABEL	COMPOSITE
58	A-13-5	PC INTERFACE BLACK PLASTIC	POLYMER
59	A-13-6	PC INTERFACE WHITE PLASTIC	POLYMER
60	A-13-7	PC INTERFACE METAL PIN	METAL
61	A-13-8	CAMERA BLACK PLASTIC	POLYMER
62	A-13-9	CAMERA TRANSPARENT PLASTIC	POLYMER
63	A-13-10	CAMERA GLASS	COMPOSITE
64	A-13-11	IC	COMPOSITE
65	A-13-12	IC	COMPOSITE
66	A-13-13	IC	COMPOSITE
67	A-13-14	IC	COMPOSITE
68	A-13-15	INDUCTOR	COMPOSITE
69	A-13-16	CAPACITOR	COMPOSITE
70	A-13-17	PCB	COMPOSITE
71	A-14	SIM CARD MODULE	
72	A-14-1	SIM CARD SLOTSILVER METAL	METAL
73	A-14-2	SIM CARD SLOTSILVER METAL	METAL
74	A-14-3	SIM CARD SLOTBLACK PLASTIC	POLYMER
75	A-14-4	IC	COMPOSITE
76	A-14-5	MICROPHONE	COMPOSITE
77	A-14-6	AUDION	COMPOSITE



Part No.	Sample No.	Sample Description	Sample Material
78	A-14-7	DIODE	COMPOSITE
79	A-14-8	SMD CAPACITOR	COMPOSITE
80	A-14-9	SMD RESISTOR	COMPOSITE
81	A-14-10	PCB	COMPOSITE
82	A-15	FRONT SCREEN MODULE	
83	A-15-1	TOUCH GLASS	COMPOSITE
84	A-15-2	DISPLAY SCREEN GLASS	COMPOSITE
85	A-15-3	WHITE PLASTIC FRAME	POLYMER
86	A-15-4	TRANSPARENT PLASTIC	POLYMER
87	A-15-5	REFLECTIVE FILM	POLYMER
88	A-15-6	TRANSPARENT FILM	POLYMER
89	A-15-7	SILVER DECORATIVE SHEET	POLYMER
90	A-15-8	LED	COMPOSITE
91	A-15-9	IC	COMPOSITE
92	A-15-10	IC	COMPOSITE
93	A-15-11	CAPACITOR	COMPOSITE
94	A-15-12	BASEBAND	COMPOSITE
95	A-15-13	SILVER METAL	METAL
96	A-15-14	BLACK GLUE	COMPOSITE
97	A-16	MESOCHITE	
98	A-16-1	ALUMINUM COVER	METAL
99	A-16-2	BLACK PLASTIC	POLYMER



Part No.	Sample No.	Sample Description	Sample Material
100	A-16-3	RUBBER BUTTON	POLYMER
101	A-16-4	COPPER NUT	METAL
102	A-16-5	BLACK GLUE	COMPOSITE
103	A-16-6	TRANSPARENT PLASTIC	POLYMER
104	A-16-7	BLACK SPONGE PAD	COMPOSITE
105	A-16-8	CONDUCTIVE GLUE	COMPOSITE
106	A-16-9	BASEBAND	COMPOSITE
107	A-16-10	BLACK RUBBER MAT	POLYMER
108	A-17	CAMERA	
109	A-17-1	BLACK RUBBER	POLYMER
110	A-17-2	SILVER METAL COVER	METAL
111	A-17-3	BLACK PLASTIC	POLYMER
112	A-17-4	TRANSPARENT PLASTIC	POLYMER
113	A-17-5	COPPER COIL	METAL
114	A-17-6	GLASS	COMPOSITE
115	A-17-7	PCB	COMPOSITE
116	A-17-8	BASEBAND	COMPOSITE
117	A-17-9	SILVER METAL	METAL
118	A-18	SPEAKER	
119	A-18-1	SILVER METAL	METAL
120	A-18-2	WHITE FILM	POLYMER
121	A-18-3	COPPER METAL	METAL



Part No.	Sample No.	Sample Description	Sample Material
122	A-18-4	BLACK PLASTIC	POLYMER
123	A-18-5	COPPER COIL	METAL
124	A-18-6	SILVER METAL	METAL
125	A-18-7	MAGNET	METAL
126	A-19	RF LINE	
127	A-19-1	COPPER METAL	METAL
128	A-19-2	BLACK PLASTIC	POLYMER
129	A-19-3	BLACK WIRE SHEATH	POLYMER
130	A-19-4	SILVER WIRE	METAL
131	A-19-5	WHITE WIRE	METAL
132	A-20	INTERFACE PCB	
133	A-20-1	SILVER METAL	METAL
134	A-20-2	SILVER METAL	METAL
135	A-20-3	WHITE PLASTIC	POLYMER
136	A-20-4	BLACK PLASTIC	POLYMER
137	A-20-5	SILVER METAL PIN	METAL
138	A-20-6	MICROPHONE	COMPOSITE
139	A-20-7	PCB	COMPOSITE
140	A-21	BUTTON PCB	
141	A-21-1	TRANSPARENT FILM	POLYMER
142	A-21-2	SHRAPNEL	METAL
143	A-21-3	BLACK PLASTIC	POLYMER



Part No.	Sample No.	Sample Description	Sample Material
144	A-21-4	RESISTOR	COMPOSITE
145	A-21-5	COPPER METAL	METAL
146	A-21-6	PCB	COMPOSITE
147	A-22	MAIN PCB	
148	A-22-1	LABEL	COMPOSITE
149	A-22-2	SHIELDING COVER	METAL
150	A-22-3	SHIELDING COVER	METAL
151	A-22-4	SHIELDING COVER	METAL
152	A-22-5	LED	COMPOSITE
153	A-22-6	FLASHLIGHT	COMPOSITE
154	A-22-7	IC	COMPOSITE
155	A-22-8	IC	COMPOSITE
156	A-22-9	IC	COMPOSITE
157	A-22-10	IC	COMPOSITE
158	A-22-11	IC	COMPOSITE
159	A-22-12	IC	COMPOSITE
160	A-22-13	IC	COMPOSITE
161	A-22-14	WHITE INDUCTOR	COMPOSITE
162	A-22-15	INDUCTOR	COMPOSITE
163	A-22-16	INDUCTOR	COMPOSITE
164	A-22-17	INDUCTOR	COMPOSITE
165	A-22-18	INDUCTOR	COMPOSITE



Part No.	Sample No.	Sample Description	Sample Material
166	A-22-19	CRYSTAL OSCILLATOR	COMPOSITE
167	A-22-20	RESISTOR	COMPOSITE
168	A-22-21	RESISTOR	COMPOSITE
169	A-22-22	CAPACITOR	COMPOSITE
170	A-22-23	SMD RESISTOR	COMPOSITE
171	A-22-24	SMD CAPACITOR	COMPOSITE
172	A-22-25	AUDION	COMPOSITE
173	A-22-26	IC	COMPOSITE
174	A-22-27	IC	COMPOSITE
175	A-22-28	IC	COMPOSITE
176	A-22-29	IC	COMPOSITE
177	A-22-30	IC	COMPOSITE
178	A-22-31	IC	COMPOSITE
179	A-22-32	IC	COMPOSITE
180	A-22-33	IC	COMPOSITE
181	A-22-34	IC	COMPOSITE
182	A-22-35	CRYSTAL OSCILLATOR	COMPOSITE
183	A-22-36	BLUE CAPACITOR	COMPOSITE
184	A-22-37	INDUCTOR	COMPOSITE
185	A-22-38	INDUCTOR	COMPOSITE
186	A-22-39	INDUCTOR	COMPOSITE
187	A-22-40	DIODE	COMPOSITE



Part No.	Sample No.	Sample Description	Sample Material
188	A-22-41	RESISTOR	COMPOSITE
189	A-22-42	SOLDERING TIN	METAL
190	A-22-43	PCB	COMPOSITE
191	A-22-44	INTERFACE	METAL
192	A-22-45	BLACK PLASTIC	POLYMER
193	A-22-46	COPPER METAL	METAL
194	A-23	BATTERY	
195	A-23-1	YELLOW GLUE	COMPOSITE
196	A-23-2	BLACK RUBBER	POLYMER
197	A-23-3	BLACK PLASTIC	POLYMER
198	A-23-4	COPPER METAL	METAL
199	A-23-5	BASEPLATE	POLYMER
200	A-23-6	BASEBAND	COMPOSITE
201	A-23-7	IC	COMPOSITE
202	A-23-8	IC	COMPOSITE
203	A-23-9	SMD RESISTOR	COMPOSITE
204	A-23-10	SMD CAPACITOR	COMPOSITE
205	A-23-11	SOLDERING TIN	METAL
206	A-23-12	SILVER COVER	METAL
207	A-23-13	BLUE FILM	POLYMER
208	A-23-14	GREEN FILM	POLYMER
209	A-23-15	ALUMINUM FOIL	METAL



Part No.	Sample No.	Sample Description	Sample Material
210	A-23-16	COPPER FOIL	METAL
211	A-23-17	WHITE FILM	POLYMER
212	A-23-18	ELECTROLYTIC PAPER	COMPOSITE
213	A-23-19	ELECTRODE	METAL
214	B	ADAPTOR	
215	B-1	BLACK PLASTIC COVER	POLYMER
216	B-2	BLACK PLASTIC	POLYMER
217	B-3	SILVER METAL	METAL
218	B-4	SOLDERING TIN	METAL
219	B-5	RED WIRE SHEATH	POLYMER
220	B-6	BLACK WIRE SHEATH	POLYMER
221	B-7	SILVER WIRE	METAL
222	B-8	WHITE RUBBER	POLYMER
223	B-9	BLACK PLASTIC	POLYMER
224	B-10	BLUE CAPACITOR	
225	B-10-1	MAIN BODY	COMPOSITE
226	B-10-2	METAL PIN	METAL
227	B-11	USB INTERFACE	
228	B-11-1	SILVER METAL	METAL
239	B-11-2	BLACK PLASTIC	POLYMER
230	B-11-3	COPPER PIN	METAL
231	B-12	ELECTROLYTIC CAPACITOR	



Part No.	Sample No.	Sample Description	Sample Material
232	B-12-1	SILVER COVER	METAL
233	B-12-2	RUBBER MAT	POLYMER
234	B-12-3	ELECTROLYTE	COMPOSITE
235	B-12-4	ELECTRODE	METAL
236	B-13	ELECTROLYTIC CAPACITOR	
237	B-13-1	BLACK SKIN	POLYMER
238	B-13-2	SILVER COVER	METAL
239	B-13-3	RUBBER MAT	POLYMER
240	B-13-4	ELECTROLYTE	COMPOSITE
241	B-13-5	ELECTRODE	METAL
242	B-14	COLOUR RING RESISTOR	
243	B-14-1	MAIN BODY	COMPOSITE
244	B-14-2	ELECTRODE	METAL
245	B-15	AUDION	
246	B-15-1	MAIN BODY	COMPOSITE
247	B-15-2	METAL PIN	METAL
248	B-16	INDUCTOR	
249	B-16-1	BLACK PLASTIC	POLYMER
250	B-16-2	BLACK PLASTIC	POLYMER
251	B-16-3	MAIN BODY	COMPOSITE
252	B-16-4	METAL PIN	METAL
253	B-17	TRANSFORMER	



Part No.	Sample No.	Sample Description	Sample Material
254	B-17-1	BLACK PLASTIC	POLYMER
255	B-17-2	MAGNET	METAL
256	B-17-3	YELLOW GLUE TAPE	COMPOSITE
257	B-17-4	TRANSPARENT DRIVE PIPE	POLYMER
258	B-17-5	BLACK WIRE SHEATH	POLYMER
259	B-17-6	ENAMELLED WIRE	COMPOSITE
260	B-17-7	COPPER WIRE	METAL
261	B-17-8	METAL PIN	METAL
262	B-18	IC	COMPOSITE
263	B-19	IC	COMPOSITE
264	B-20	IC	COMPOSITE
265	B-21	DIODE	COMPOSITE
266	B-22	DIODE	COMPOSITE
267	B-23	INDUCTOR	COMPOSITE
268	B-24	RESISTOR	COMPOSITE
269	B-25	CAPACITOR	COMPOSITE
270	B-26	SOLDERING TIN	METAL
271	B-27	PCB	COMPOSITE
272	C	DATA LINE	
273	C-1	BLACK RUBBER	POLYMER
274	C-2	SILVER METAL	METAL
275	C-3	BLACK PLASTIC	POLYMER



Part No.	Sample No.	Sample Description	Sample Material
276	C-4	TRANSLUCENCE PLASTIC	POLYMER
277	C-5	COPPER METAL PIN	METAL
278	C-6	SOLDERING TIN	METAL
279	C-7	BLACK WIRE SHEATH	POLYMER
280	C-8	TIN FOIL	COMPOSITE
281	C-9	WHITE COTTON THREAD	COMPOSITE
282	C-10	RED WIRE SHEATH	POLYMER
283	C-11	GREEN WIRE SHEATH	POLYMER
284	C-12	RED WIRE SHEATH	POLYMER
285	C-13	SILVER WIRE	METAL
286	C-14	BLACK RUBBER	POLYMER
287	C-15	TRANSPARENT PLASTIC	POLYMER
288	C-16	SILVER METAL	METAL
289	C-17	BROWN PLASTIC	POLYMER
290	C-18	BLACK PLASTIC	POLYMER
291	C-19	LIGHT GREEN RUBBER	POLYMER
292	C-20	COPPER METAL PIN	METAL
293	C-21	SOLDERING TIN	METAL
294	C-22	PCB	COMPOSITE

3. Test Methods

3.1. Screening test by XRF spectroscopy

XRF screening limits in mg/kg for regulated elements according to IEC 62321-3-1:2013

Element	Polymer	Metal	Composite Materials
Cd	$P \leq 70 - 3\sigma < D < 130 + 3\sigma \leq F$	$P \leq 70 - 3\sigma < D < 130 + 3\sigma \leq F$	$P \leq 50 - 3\sigma < D < 150 + 3\sigma \leq F$
Pb	$P \leq 700 - 3\sigma < D < 1300 + 3\sigma \leq F$	$P \leq 700 - 3\sigma < D < 1300 + 3\sigma \leq F$	$P \leq 500 - 3\sigma < D < 1500 + 3\sigma \leq F$
Hg	$P \leq 700 - 3\sigma < D < 1300 + 3\sigma \leq F$	$P \leq 700 - 3\sigma < D < 1300 + 3\sigma \leq F$	$P \leq 500 - 3\sigma < D < 1500 + 3\sigma \leq F$
Br	$P \leq 300 - 3\sigma < D$	-	$P \leq 250 - 3\sigma < D$
Cr	$P \leq 700 - 3\sigma < D$	$P \leq 700 - 3\sigma < D$	$P \leq 500 - 3\sigma < D$

Note: P = PASS

F = FAIL

The symbol "D" marks the region where further investigation is necessary.

3.2. Chemical Test

If XRF screening result is in the region of D, chemical test is used to determine the hazardous substances

Test item	Procedure	Apparatus	MDL
Hg	With reference to IEC 62321-4:2013	ICP-OES	2 mg/kg
Cd & Pb	With reference to IEC 62321-5:2013	ICP-OES	2 mg/kg
Cr ⁶⁺	With reference to IEC 62321-7-2:2017 (For Polymer and Electronics)	UV-VIS	2 mg/kg
	With reference to IEC 62321-7-1:2015 [▲] (For Plating on Metals)		0.1 ug/cm ²
PBBs & PBDEs	With reference to IEC 62321-6:2015	GC-MS	5 mg/kg

4. Test Results and Photographs of Sample

The results of XRF screening and chemical test (Unit: mg/kg)

No.	Sample No.	Figure	X-ray Screening		chemical test			
			Element	Data	UV-Vis	ICP-OES	GC-MS	
1	A-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	6.64×10 ⁴				
			Br	/				
			Cr ⁶⁺					N.D.
			PBBs					
			PBDEs					
2	A-2-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
3	A-2-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
4	A-2-3		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
5	A-2-4		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
6	A-2-5		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					

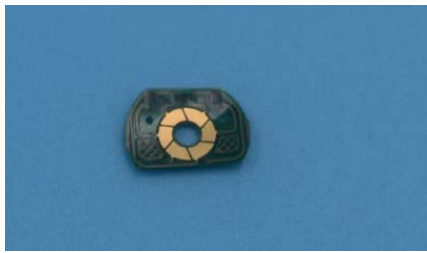




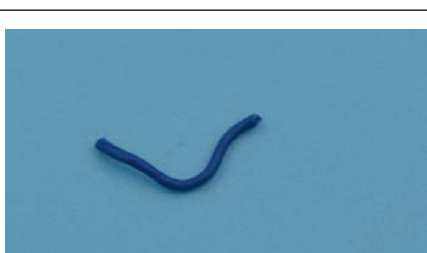
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
7	A-2-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
8	A-2-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
9	A-2-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
10	A-2-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
11	A-2-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
12	A-2-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				



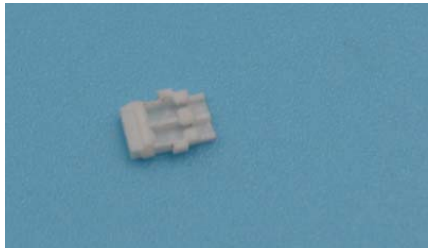



No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
13	A-2-12		Pb	1.59×10 ³	/	#2.93×10 ⁴	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
14	A-3-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
15	A-3-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	2.92×10 ⁴			
			Br	/			
			Cr ⁶⁺		N.D.		
			PBBs				
			PBDEs				
16	A-3-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
17	A-3-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
18	A-3-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test					
			Element	Data	UV-Vis	ICP-OES	GC-MS			
19	A-3-6		Pb	N.D.	/	/	/			
			Cd	N.D.						
			Hg	N.D.						
			Cr	N.D.						
			Br	N.D.						
			Cr ⁶⁺							
			PBBs							
			PBDEs							
20	A-3-7		Pb	N.D.	/	/	/			
			Cd	N.D.						
			Hg	N.D.						
			Cr	4.01×10 ⁴						
			Br	/	N.D.					
			Cr ⁶⁺							
			PBBs							
			PBDEs							
21	A-4		Pb	N.D.	/	/	/			
			Cd	N.D.						
			Hg	N.D.						
			Cr	N.D.						
			Br	N.D.						
			Cr ⁶⁺							
			PBBs							
			PBDEs							
22	A-5		Pb	N.D.	/	/	/			
			Cd	N.D.						
			Hg	N.D.						
			Cr	8.69×10 ⁴						
			Br	/				N.D.		
			Cr ⁶⁺							
			PBBs							
			PBDEs							
23	A-6		Pb	N.D.	/	/	/			
			Cd	N.D.						
			Hg	N.D.						
			Cr	N.D.						
			Br	N.D.						
			Cr ⁶⁺							
			PBBs							
			PBDEs							
24	A-7		Pb	N.D.	/	/	/			
			Cd	N.D.						
			Hg	N.D.						
			Cr	N.D.						
			Br	/						
			Cr ⁶⁺							
			PBBs							
			PBDEs							

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
25	A-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
26	A-9-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
27	A-9-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
28	A-9-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
29	A-10-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
30	A-10-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
31	A-10-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
32	A-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
33	A-12-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
34	A-12-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
35	A-12-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
36	A-12-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

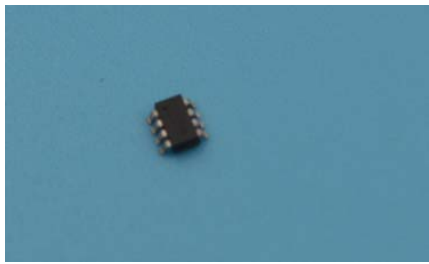
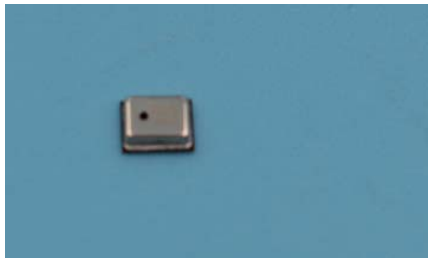

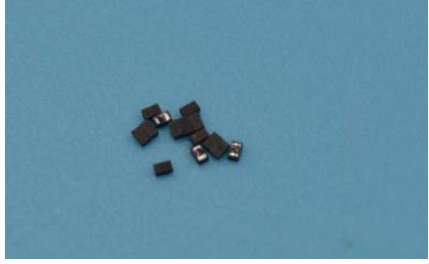
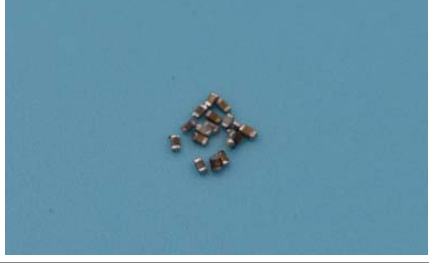
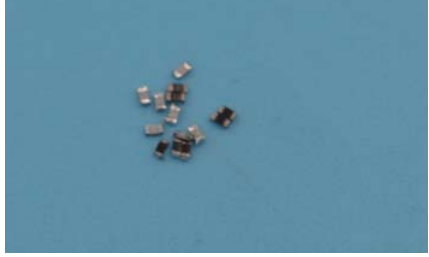
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
37	A-12-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
38	A-12-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
39	A-12-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
40	A-12-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
41	A-12-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
42	A-12-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

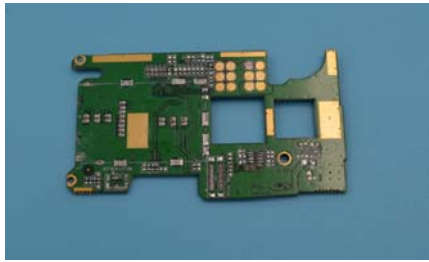





No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
43	A-12-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
44	A-12-12		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
45	A-12-13		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
46	A-12-14		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
47	A-13-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
48	A-13-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

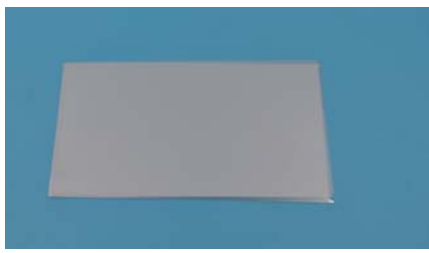


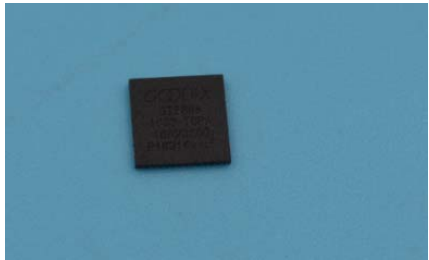


No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
49	A-13-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
50	A-13-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
51	A-13-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
52	A-13-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
53	A-13-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
54	A-13-8		Pb	N.D.			
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
55	A-13-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
56	A-13-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
57	A-13-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
58	A-13-12		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
59	A-13-13		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
60	A-13-14		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	1.64×10 ³			
			Cr ⁶⁺				
			PBBs				N.D.
			PBDEs				N.D.

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
61	A-13-15		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
62	A-13-16		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
63	A-13-17		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
64	A-14-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	1.46×10 ⁵			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
65	A-14-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	2.17×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
66	A-14-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
67	A-14-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
68	A-14-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
69	A-14-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
70	A-14-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
71	A-14-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
72	A-14-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				


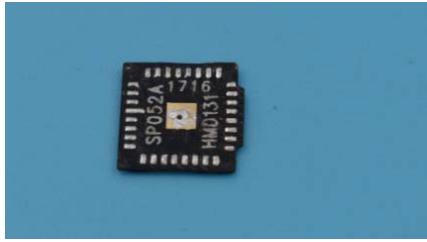

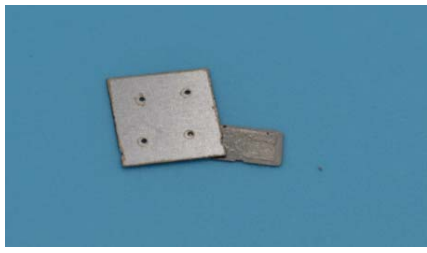

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
73	A-14-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
74	A-15-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
75	A-15-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
76	A-15-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
77	A-15-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
78	A-15-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
79	A-15-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
80	A-15-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	357.27			
			Br	/			
			Cr ⁶⁺		N.D.		
			PBBs				
			PBDEs				
81	A-15-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
82	A-15-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
83	A-15-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
84	A-15-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				




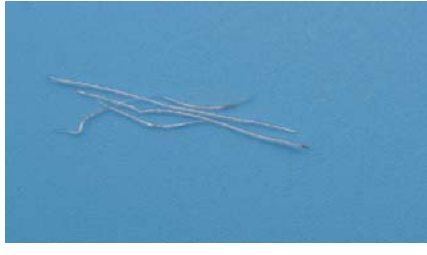

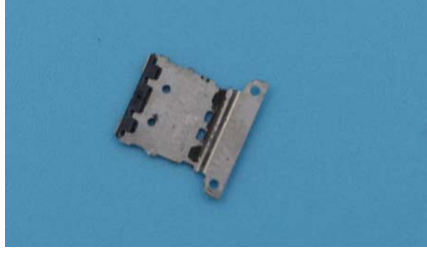
No.	Sample No.	Figure	X-ray Screening		chemical test			
			Element	Data	UV-Vis	ICP-OES	GC-MS	
85	A-15-12		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
86	A-15-13		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	4.11×10 ⁴				
			Br	/	N.D.			
			Cr ⁶⁺					
			PBBs					
			PBDEs					
87	A-15-14		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
88	A-16-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
89	A-16-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	617.45			N.D.	N.D.
			Cr ⁶⁺					
			PBBs					
			PBDEs					
90	A-16-3		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
91	A-16-4		Pb	403.15	/	#1.98×10 ⁴	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
92	A-16-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
93	A-16-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
94	A-16-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
95	A-16-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
96	A-16-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

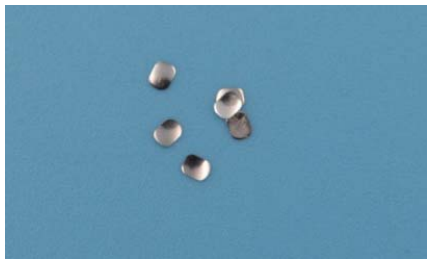
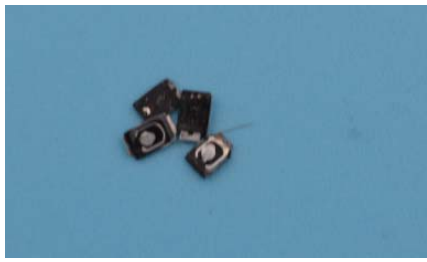
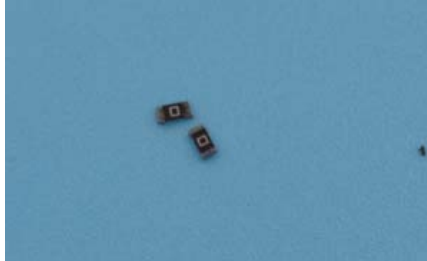
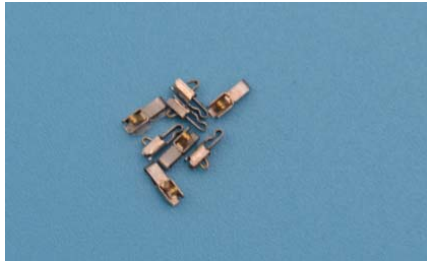

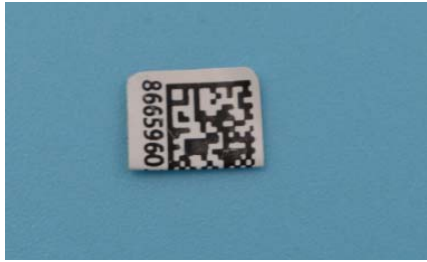
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
97	A-16-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
98	A-17-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
99	A-17-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
100	A-17-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
101	A-17-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
102	A-17-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				





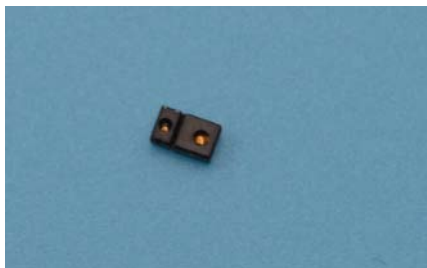
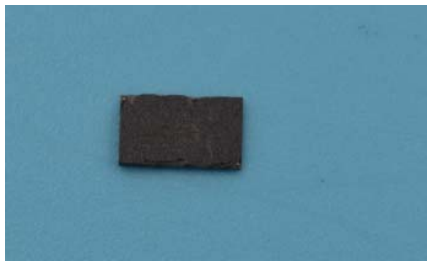
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
103	A-17-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
104	A-17-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
105	A-17-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
106	A-17-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	5.04×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
107	A-18-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	5.07×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
108	A-18-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

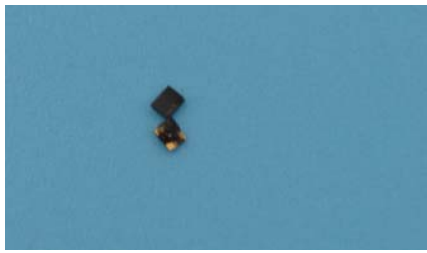
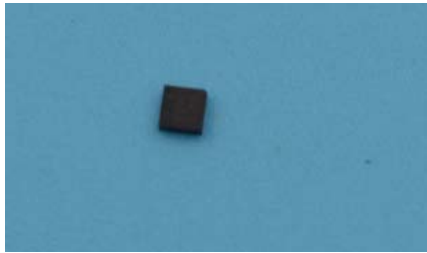
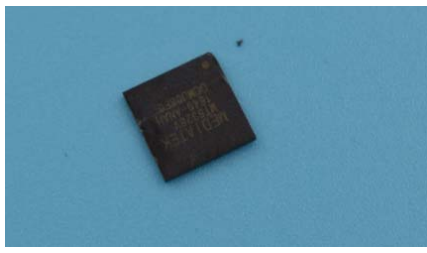
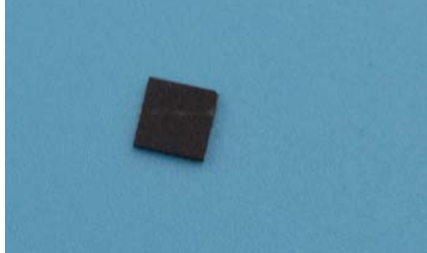
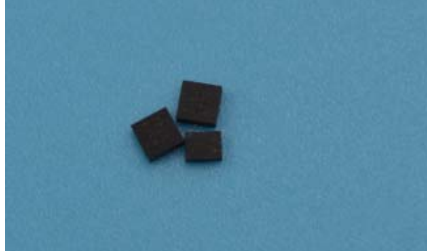
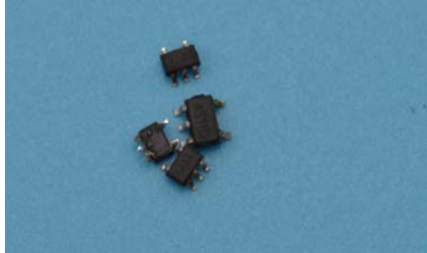
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
109	A-18-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	7.46×10 ³			
			Br	/			
			Cr ⁶⁺		N.D.		
			PBBs				
			PBDEs				
110	A-18-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
111	A-18-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
112	A-18-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	423.08			
			Br	/			
			Cr ⁶⁺		N.D.		
			PBBs				
			PBDEs				
113	A-18-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
114	A-19-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

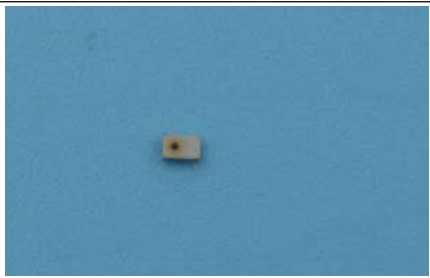

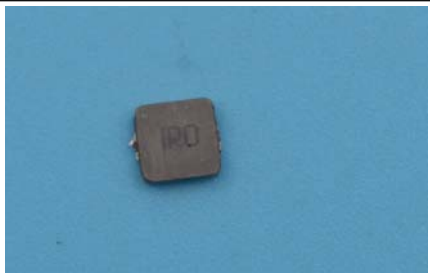


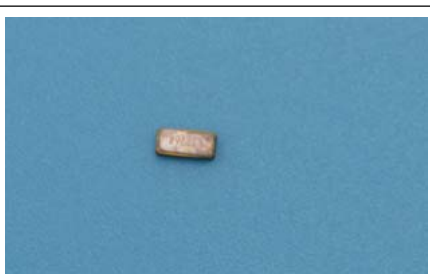
No.	Sample No.	Figure	X-ray Screening		chemical test			
			Element	Data	UV-Vis	ICP-OES	GC-MS	
115	A-19-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
116	A-19-3		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
117	A-19-4		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
118	A-19-5		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
119	A-20-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	8.66×10 ⁴				
			Br	/				
			Cr ⁶⁺					N.D.
			PBBs					
			PBDEs					
120	A-20-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	5.37×10 ⁴				
			Br	/				
			Cr ⁶⁺					N.D.
			PBBs					
			PBDEs					

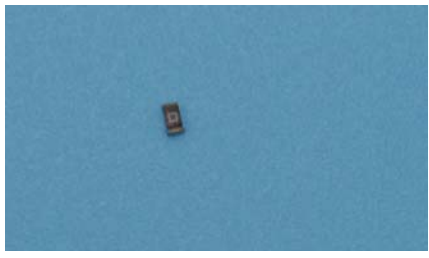
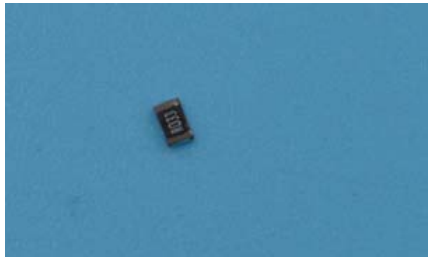

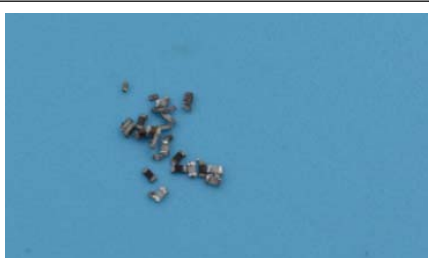


No.	Sample No.	Figure	X-ray Screening		chemical test				
			Element	Data	UV-Vis	ICP-OES	GC-MS		
121	A-20-3		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
122	A-20-4		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
123	A-20-5		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
124	A-20-6		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
125	A-20-7		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	1.57×10 ³					
			Cr ⁶⁺						
			PBBs						N.D.
			PBDEs						N.D.
126	A-21-1		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						


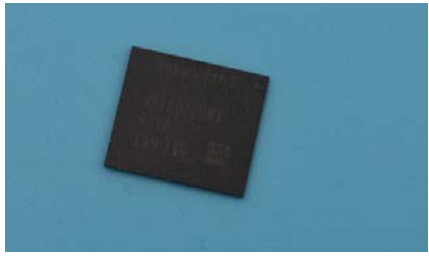
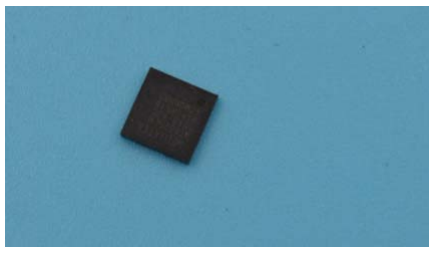
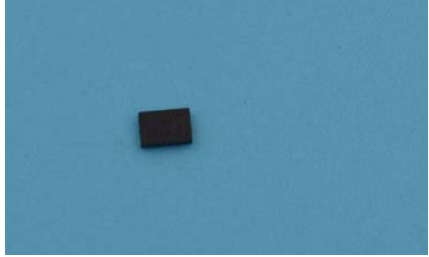
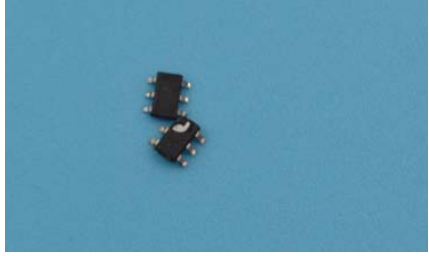
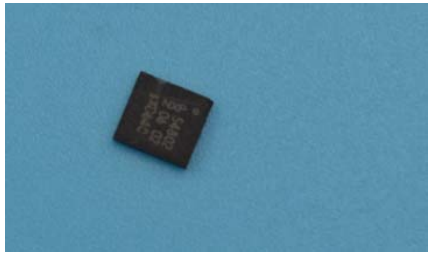
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
127	A-21-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	450.23			
			Br	/			
			Cr ⁶⁺		N.D..		
			PBBs				
			PBDEs				
128	A-21-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
129	A-21-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
130	A-21-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
131	A-21-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
132	A-22-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

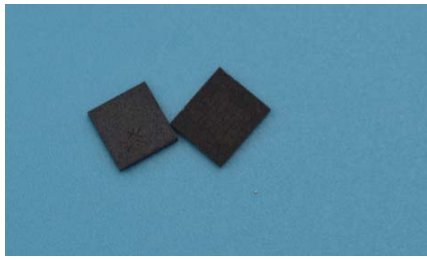
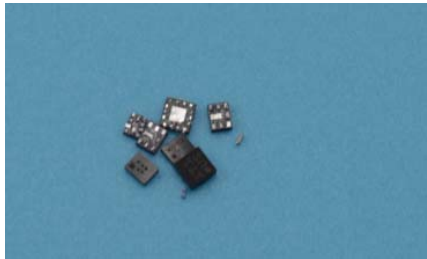

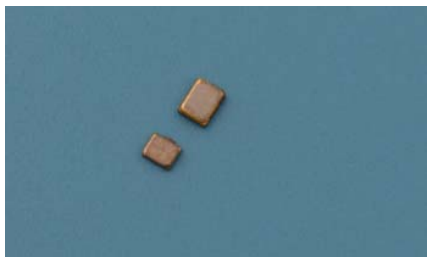
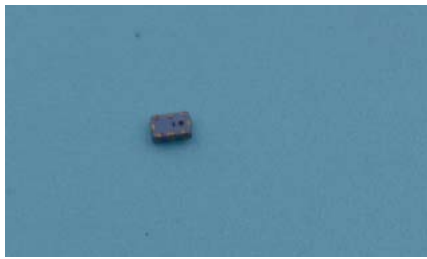
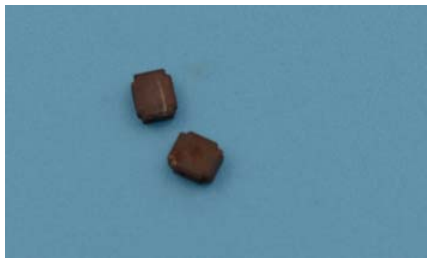
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
133	A-22-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
134	A-22-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
135	A-22-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
136	A-22-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
137	A-22-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
138	A-22-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
139	A-22-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
140	A-22-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
141	A-22-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
142	A-22-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
143	A-22-12		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
144	A-22-13		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				





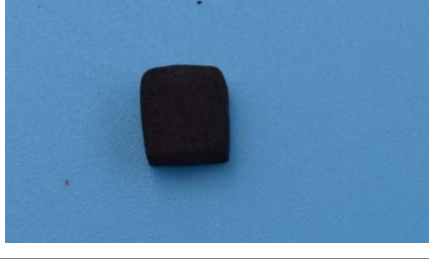

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
145	A-22-14		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
146	A-22-15		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
147	A-22-16		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
148	A-22-17		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
149	A-22-18		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
150	A-22-19		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				


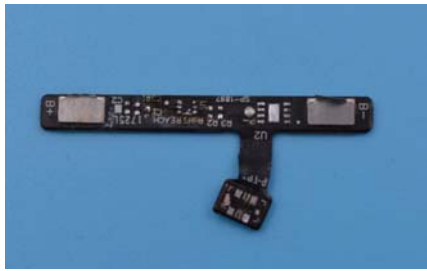
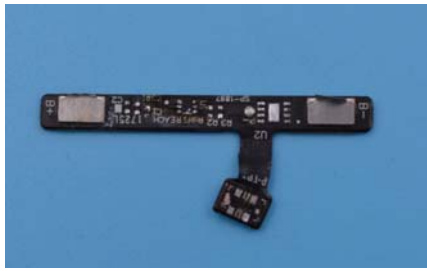
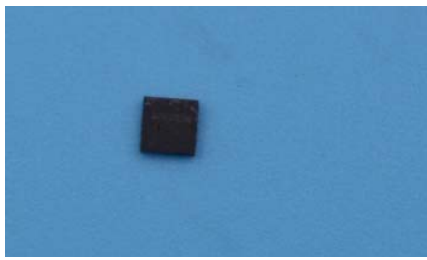
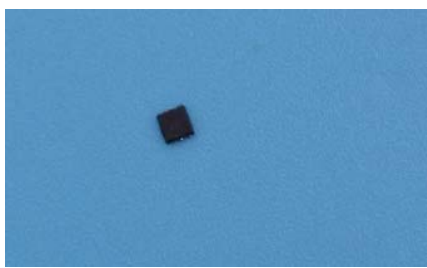

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
151	A-22-20		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
152	A-22-21		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
153	A-22-22		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
154	A-22-23		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
155	A-22-24		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
156	A-22-25		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
157	A-22-26		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
158	A-22-27		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
159	A-22-28		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
160	A-22-29		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
161	A-22-30		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
162	A-22-31		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
163	A-22-32		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
164	A-22-33		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
165	A-22-34		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
166	A-22-35		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
167	A-22-36		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
168	A-22-37		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
169	A-22-38		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
170	A-22-39		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
171	A-22-40		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
172	A-22-41		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
173	A-22-42		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
174	A-22-43		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
175	A-22-44		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
176	A-22-45		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
177	A-22-46		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
178	A-23-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
179	A-23-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
180	A-23-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
181	A-23-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
182	A-23-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
183	A-23-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
184	A-23-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
185	A-23-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
186	A-23-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
187	A-23-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
188	A-23-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
189	A-23-12		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
190	A-23-13		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
191	A-23-14		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
192	A-23-15		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
193	A-23-16		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
194	A-23-17		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
195	A-23-18		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
196	A-23-19		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
197	B-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
198	B-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
199	B-3		Pb	5.39×10 ³	/	#3.01×10 ⁴	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
200	B-4		Pb	603.71	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
201	B-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
202	B-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
203	B-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
204	B-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				


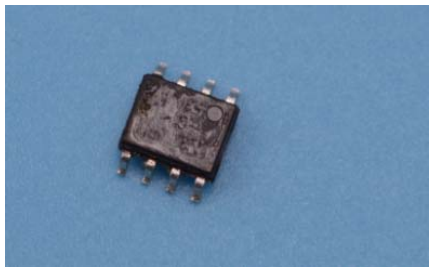
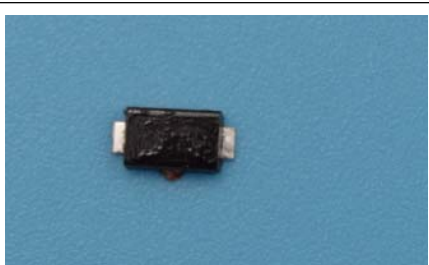

No.	Sample No.	Figure	X-ray Screening		chemical test				
			Element	Data	UV-Vis	ICP-OES	GC-MS		
205	B-9		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
206	B-10-1		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
207	B-10-2		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
208	B-11-1		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
209	B-11-2		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	914.82					
			Cr ⁶⁺						
			PBBs						N.D.
			PBDEs						N.D.
210	B-11-3		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						

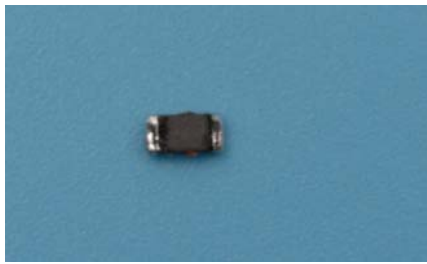
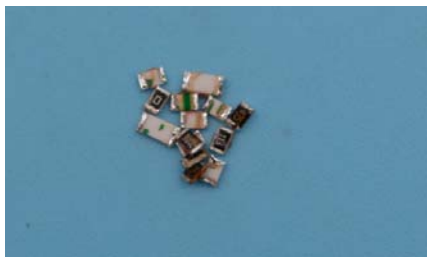

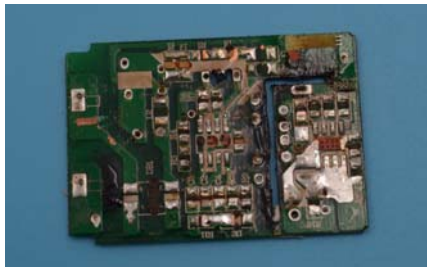
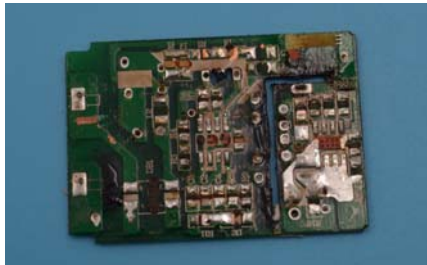

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
211	B-12-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
212	B-12-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
213	B-12-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
214	B-12-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
215	B-13-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
216	B-13-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
217	B-13-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
218	B-13-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
219	B-13-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
220	B-14-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
221	B-14-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
222	B-15-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				



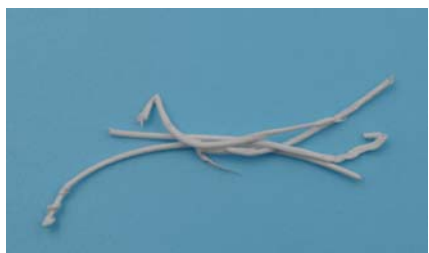



No.	Sample No.	Figure	X-ray Screening		chemical test			
			Element	Data	UV-Vis	ICP-OES	GC-MS	
223	B-15-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
224	B-16-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	477.54				N.D.
			Cr ⁶⁺					
			PBBs					
			PBDEs					
225	B-16-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	737.45				N.D.
			Cr ⁶⁺					
			PBBs					
			PBDEs					
226	B-16-3		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
227	B-16-4		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
228	B-17-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
229	B-17-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
230	B-17-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
231	B-17-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
232	B-17-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
233	B-17-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
234	B-17-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				



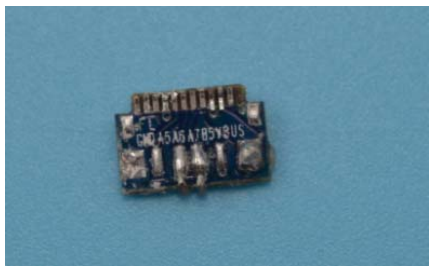
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
235	B-17-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
236	B-18		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
237	B-19		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
238	B-20		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
239	B-21		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
240	B-22		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test			
			Element	Data	UV-Vis	ICP-OES	GC-MS	
241	B-23		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
242	B-24		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
243	B-25		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
244	B-26		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
245	B-27		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	2.15×10 ³				
			Cr ⁶⁺					
			PBBs					N.D.
			PBDEs					N.D.
246	C-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
247	C-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
248	C-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
249	C-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
250	C-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
251	C-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
252	C-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
253	C-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
254	C-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
255	C-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
256	C-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
257	C-12		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
258	C-13		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
259	C-14		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
260	C-15		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
261	C-16		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	4.78×10 ⁴			
			Br	/			
			Cr ⁶⁺		N.D.		
			PBBs				
			PBDEs				
262	C-17		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
263	C-18		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
264	C-19		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Data	UV-Vis	ICP-OES	GC-MS
265	C-20		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
266	C-21		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
267	C-22		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	1.03×10 ³			
			Cr ⁶⁺				
			PBBs				N.D.
			PBDEs				N.D.

Remark:

(1) mg/kg=ppm

(2) N.D. = Not Detected (< MDL);

(3)"/"= Not Conducted

(4)MDL = Method Detection Limit

(5) ^ = a. The sample is N.D. for Cr⁶⁺ if Cr⁶⁺ is N.D. (concentration less 0.10ug/cm²).The coating is considered a non- Cr⁶⁺ based coating.

b. The sample positive for Cr⁶⁺ if the Cr⁶⁺ concentration greater than 0.13ug/cm². The sample coating is considered to contain Cr⁶⁺.

c. The result between 0.10ug/cm² and 0.13ug/cm² is considered to be inconclusive unavoidable coating variations may influence the determination.

(6)# = Lead in copper alloy containing up to 4% lead by weight. The item is exempted from the requirements of the item 6(c) in ANNEX III, (Directive 2011/65/EU).

(7) & = Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound. The item is exempted from the requirements of the item 7(c)- I in ANNEX III, (Directive 2011/65/EU).

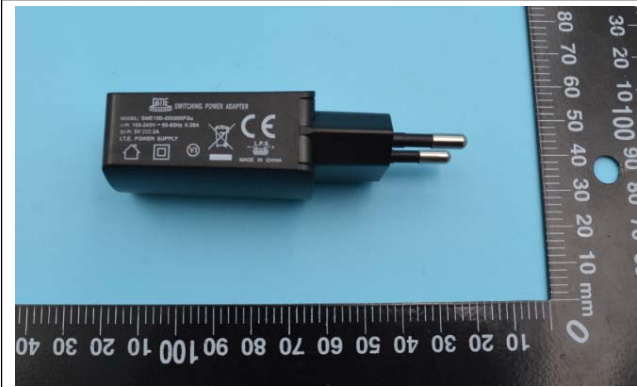
Annex A Photographs of the EUT



A



A



B



C



Annex B General Information

1.1 Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Department:	Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Responsible Test Lab Manager:	Mr. Su Feng
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

1.3 Accreditation Certificate

Accredited Testing Laboratory: CNAS No. L3572
(Shenzhen Morlab Communications Technology Co., Ltd.)

1.4 Test Equipments Utilized

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	X-Ray Fluorescence Spectroscopy(XRF)	0102	EDX-1800B	Skyray	2017.05.23	2018.05.23
2	gas chromatograph-mass spectrometer (GC-MS)	CN10617090	6890-5975I	Agilent	2017.05.23	2018.05.23
3	ultraviolet-uisible spectrophotometer(UV-Vis)	0153	UV-1100	Labtech	2017.05.23	2018.05.23
4	IPC-OES	842320072001	iCAP7200	Thermo	2017.05.23	2018.05.23

***** END OF REPORT *****