



RoHS TEST REPORT

Applicant : Shanxi Jianyu Science and technology co., LTD.

Product name : BLUETOOTH SPEAKER MICROPHONE

Model name : BTH-500

Trade name : PRYME

Brand name : PRYME

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 : 2017-08-07

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.....	10
3.1. SCREENING TEST BY XRF SPECTROSCOPY.....	10
3.2. CHEMICAL TEST.....	10
4. TEST RESULTS AND PHOTOGRAPHS OF SAMPLE.....	11
ANNEX A TEST EQUIPMENTS UTILIZED.....	28



Test Report Declaration

Applicant	Shanxi Jianyu Science and technology co., LTD.
Applicant Address	NO.12 xin jin ci lu road hui jin garden 7th floor 4-201 Taiyuan city, Shanxi Province
Manufacturer	N/A
Manufacturer Address	N/A
Product Name	BLUETOOTH SPEAKER MICROPHONE
Model Name	BTH-500
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	2017-07-06 to 2017-07-12
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: Shanxi Jianyu Science and technology co., LTD.
Address: NO.12 xin jin ci lu road hui jin garden 7th floor 4-201 Taiyuan city, Shanxi Province

1.2. Equipment under Test (EUT) Description

Brand Name:	PRYME
Trade Name:	PRYME
Model Name:	BTH-500

2. Component Description

Part No.	Sample No.	Sample Description	Sample Material
1	A	BLUETOOTH SPEAKER MICROPHONE	
2	A-1	LABEL	COMPOSITE
3	A-2	SILVER METAL SCREW	METAL
4	A-3	BLACK PLASTIC	POLYMER
5	A-4	BLACK RUBBER PLUG	POLYMER
6	A-5	ORANGE RUBBER PLUT	POLYMER
7	A-6	SILVER METAL NUT	METAL
8	A-7	BROWN RUBBER RING	POLYMER
9	A-8	BLACK GLUE	COMPOSITE
10	A-9	BLACK SCREW	METAL
11	A-10	TOGGLE CLIP	
12	A-10-1	SILVER METAL	METAL



Part No.	Sample No.	Sample Description	Sample Material
13	A-10-2	SILVER METAL INSERTED LINK	METAL
14	A-10-3	SILVER METAL SPRING	METAL
15	A-10-4	SILVER METAL RIVET	METAL
16	A-10-5	SILVER METAL WASHER	METAL
17	A-10-6	SILVER METAL	METAL
18	A-10-7	SILVER METAL COVER	METAL
19	A-11	BLACK GLUE	COMPOSITE
20	A-12	BLACK FOAM	COMPOSITE
21	A-13	WHITE GLUE	COMPOSITE
22	A-14	MICROPHONE	
23	A-14-1	BLACK RUBBER	POLYMER
24	A-14-2	BLACK FOAM	COMPOSITE
25	A-14-3	SILVER METAL SHELL	METAL
26	A-14-4	PINK PLASTIC	POLYMER
27	A-14-5	SILVER METAL GASKET	METAL
28	A-14-6	SILVER METAL WASHER	METAL
29	A-14-7	GREEN PLASTIC WASHER	POLYMER
30	A-14-8	AUDION	COMPOSITE
31	A-14-9	SOLDERING TIN	METAL
32	A-14-10	PCB	COMPOSITE
33	A-15	SPEAKER	
34	A-15-1	BLACK PAPER WASHER	COMPOSITE



Part No.	Sample No.	Sample Description	Sample Material
35	A-15-2	BLACK PLASTIC FILM	POLYMER
36	A-15-3	COPPER COIL	METAL
37	A-15-4	BLACK PASTER	COMPOSITE
38	A-15-5	SOLDERING TIN	METAL
39	A-15-6	PCB	COMPOSITE
40	A-15-7	SILVER METAL COVER	METAL
41	A-15-8	SILVER METAL GASKET	METAL
42	A-15-9	SILVER METAL MAGNET	METAL
43	A-16	CONNECTING LINE	
44	A-16-1	RED WIRE SHEATH	POLYMER
45	A-16-2	BLACK WIRE SHEATH	POLYMER
46	A-16-3	SILVER METAL WIRE	METAL
47	A-17	CONNECTING LINE PLUG	
48	A-17-1	WHITE PLASTIC	POLYMER
49	A-17-2	SILVER METAL PIN	METAL
50	A-18	SWTICH KNOB	
51	A-18-1	SILVER GRAY METAL	METAL
52	A-18-2	COPPER METAL	METAL
53	A-18-3	SILVER METAL GASKET	METAL
54	A-18-4	BLUE PLASTIC	POLYMER
55	A-18-5	BLACK PLASTIC	POLYMER
56	A-18-6	LIGHT SILVER METAL	METAL



Part No.	Sample No.	Sample Description	Sample Material
57	A-18-7	SILVER METAL	METAL
58	A-18-8	TRANSLUCENCE PLASTIC	POLYMER
59	A-18-9	WHITE PLASTIC	POLYMER
60	A-18-10	SILVER METAL	METAL
61	A-19	BUTTON	
62	A-19-1	SILVER METAL	METAL
63	A-19-2	WHITE PLASTIC	POLYMER
64	A-19-3	BLACK PLASTIC	POLYMER
65	A-19-4	SHRAPNEL	METAL
66	A-19-5	SILVER METAL PIN	METAL
67	A-20	EARPHONE SOCKET	
68	A-20-1	BLACK PLASTIC	POLYMER
69	A-20-2	GOLD METAL PIN	METAL
70	A-21	USB INTERFACE	
71	A-21-1	SILVER METAL COVER	METAL
72	A-21-2	BLACK PLASTIC	POLYMER
73	A-21-3	METAL PIN	METAL
74	A-22	CONNECTING LINE INTERFACE	
75	A-22-1	WHITE PLASTIC	POLYMER
76	A-22-2	SILVER METAL PIN	METAL
77	A-23	PCB MODULE	
78	A-23-1	IC	COMPOSITE



Part No.	Sample No.	Sample Description	Sample Material
79	A-23-2	IC	COMPOSITE
80	A-23-3	IC	COMPOSITE
81	A-23-4	IC	COMPOSITE
82	A-23-5	LED	COMPOSITE
83	A-23-6	CRYSTAL OSCILLATOR	COMPOSITE
84	A-23-7	CRYSTAL OSCILLATOR	COMPOSITE
85	A-23-8	COIL INDUCTOR	COMPOSITE
86	A-23-9	ADUION	COMPOSITE
87	A-23-10	CAPACITOR	COMPOSITE
88	A-23-11	FUSE	COMPOSITE
89	A-23-12	CAPACITOR	COMPOSITE
90	A-23-13	RESISTOR	COMPOSITE
91	A-23-14	SMT CAPACITOR	COMPOSITE
92	A-23-15	SMT RESISTOR	COMPOSITE
93	A-23-16	SOLDERING TIN	METAL
94	A-23-17	PCB	COMPOSITE
95	B	DATA LINE	
96	B-1	BLACK RUBBER	POLYMER
97	B-2	BLACK PLASTIC	POLYMER
98	B-3	SILVER METAL	METAL
99	B-4	WHITE PLASTIC	POLYMER
100	B-5	METAL PIN	METAL



Part No.	Sample No.	Sample Description	Sample Material
101	B-6	BLACK RUBBER	POLYMER
102	B-7	SILVER METAL COVER	METAL
103	B-8	BLACK PLASTIC	POLYMER
104	B-9	SILVER METAL	METAL
105	B-10	METAL PIN	METAL
106	B-11	SOLDERING TIN	METAL
107	B-12	BLACK WIRE SHEATH	POLYMER
108	B-13	SILVER METAL	METAL
109	B-14	COPPER WIRE	METAL
110	B-15	TIN FOIL	COMPOSITE
111	B-16	ROSE RED WIRE SHEATH	POLYMER
112	B-17	GREEN WIRE SHEATH	POLYMER
113	B-18	BLACK WIRE SHEATH	POLYMER
114	B-19	WHITE WIRE SHEATH	POLYMER

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)		0.1ug/cm ²
PBBs & PBDEs	With reference to IEC 62321-6:2015	GC-MS	5 mg/kg

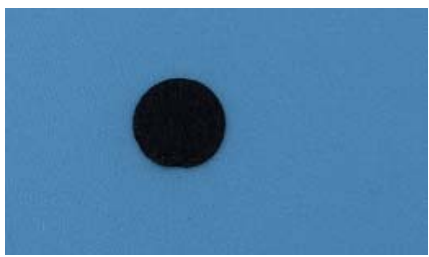
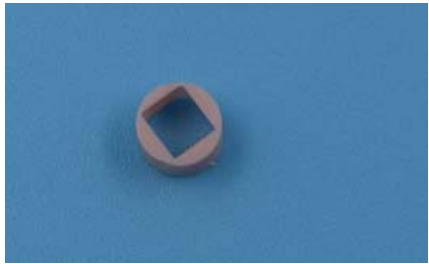
4. Test Results and Photographs of Sample

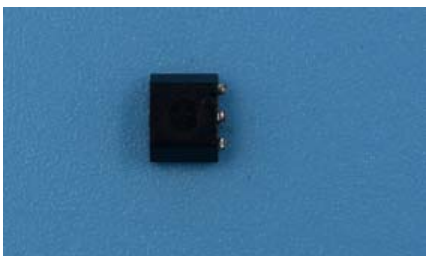
The results of XRF screening and chemical test (Unit: mg/kg)

No.	Sample No.	Figure	X-ray Screening		chemical test			
			Element	Element	UV-Vis	ICP-OES	GC-MS	
								
1	A-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
PBDEs								
2	A-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	7.60×10 ⁴				
			Br	/				
			Cr ⁶⁺		N.D.			
			PBBs					
PBDEs								
3	A-3		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
PBDEs								
4	A-4		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
PBDEs								
5	A-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	Element	UV-Vis	ICP-OES	GC-MS	
6	A-6		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	332.78				
			Br	/				
			Cr ⁶⁺		N.D.			
			PBBs					
			PBDEs					
7	A-7		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
8	A-8		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
9	A-9		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
10	A-10-1		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	6.41×10 ³				
			Br	/	N.D.			
			Cr ⁶⁺					
			PBBs					
			PBDEs					
11	A-10-2		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	1.55×10 ⁴				
			Br	/	N.D.			
			Cr ⁶⁺					
			PBBs					
			PBDEs					

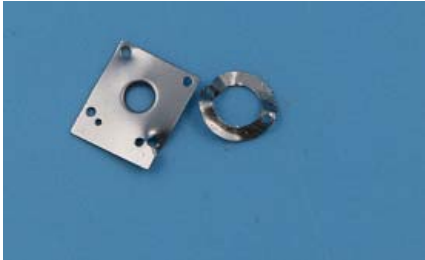
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
12	A-10-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	1.04×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
13	A-10-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	9.61×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
14	A-10-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	7.69×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
15	A-10-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	1.08×10 ⁵			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
16	A-10-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	1.18×10 ⁵			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
17	A-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

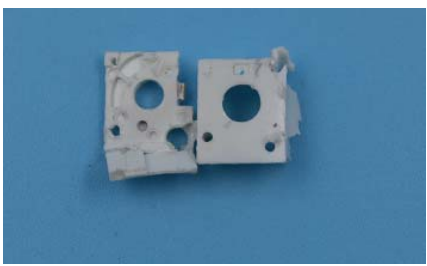
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
18	A-12		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	7.39×10 ³			N.D.
			Cr ⁶⁺				
			PBBs				
			PBDEs				
19	A-13		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
20	A-14-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
21	A-14-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
22	A-14-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
23	A-14-4		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	Element	UV-Vis	ICP-OES	GC-MS	
24	A-14-5		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
25	A-14-6		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
26	A-14-7		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
27	A-14-8		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	767.32				N.D.
			Cr ⁶⁺					
			PBBs					
			PBDEs					
28	A-14-9		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	/				
			Cr ⁶⁺					
			PBBs					
			PBDEs					
29	A-14-10		Pb	N.D.	/	/	/	
			Cd	N.D.				
			Hg	N.D.				
			Cr	N.D.				
			Br	N.D.				
			Cr ⁶⁺					
			PBBs					
			PBDEs					

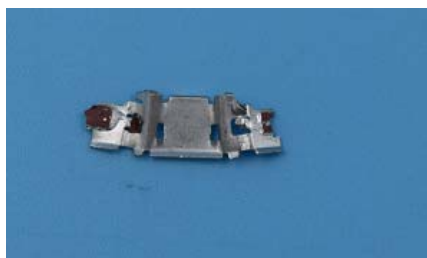
No.	Sample No.	Figure	X-ray Screening		chemical test				
			Element	Element	UV-Vis	ICP-OES	GC-MS		
30	A-15-1		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
31	A-15-2		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
32	A-15-3		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
33	A-15-4		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
34	A-15-5		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
35	A-15-6		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	1.65×10 ³					N.D.
			Cr ⁶⁺						N.D.
			PBBs						
			PBDEs						

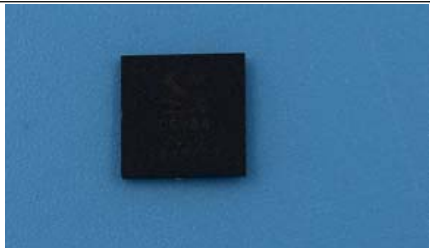
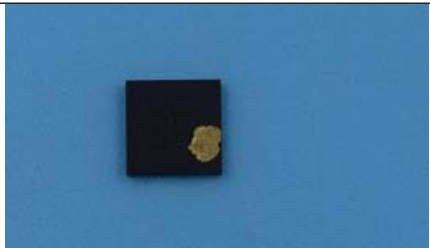
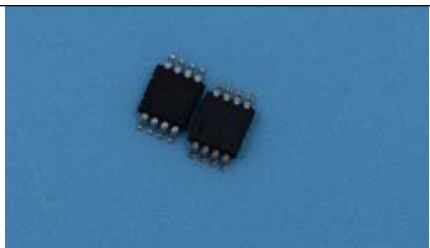
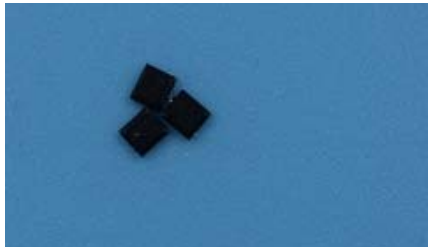
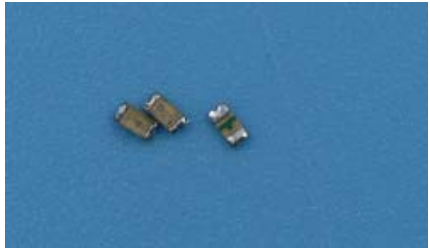
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
36	A-15-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	1.05×10 ³			
			Br	/			
			Cr ⁶⁺		N.D.		
			PBBs				
			PBDEs				
37	A-15-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
38	A-15-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
39	A-16-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
40	A-16-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
41	A-16-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

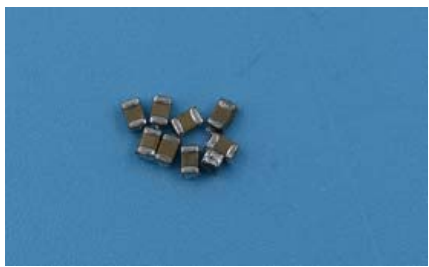
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
42	A-17-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
43	A-17-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
44	A-18-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
45	A-18-2		Pb	1.88×10 ⁴	/	#2.87×10 ⁴	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
46	A-18-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	5.10×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
47	A-18-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	2.00×10 ³			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
					N.D.		
					N.D.		

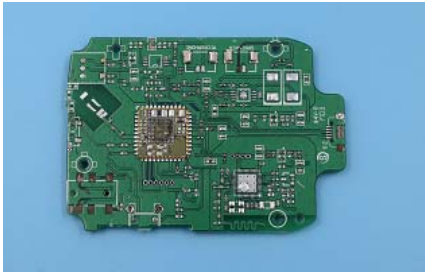
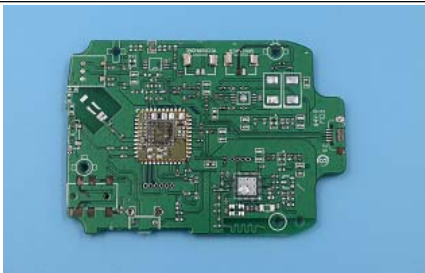
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
48	A-18-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	2.31×10 ³			
			Cr ⁶⁺				
			PBBs				N.D.
			PBDEs				N.D.
49	A-18-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
50	A-18-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	5.11×10 ³			
			Br	/			
			Cr ⁶⁺		N.D.		
			PBBs				
			PBDEs				
51	A-18-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
52	A-18-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
53	A-18-10		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	Element	UV-Vis	ICP-OES	GC-MS		
54	A-19-1		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
55	A-19-2		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
56	A-19-3		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	N.D.					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
57	A-19-4		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	1.66×10 ⁴					
			Br	/	N.D.				
			Cr ⁶⁺						
			PBBs						
			PBDEs						
58	A-19-5		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	/					
			Cr ⁶⁺						
			PBBs						
			PBDEs						
59	A-20-1		Pb	N.D.	/	/	/		
			Cd	N.D.					
			Hg	N.D.					
			Cr	N.D.					
			Br	3.43×10 ³					N.D.
			Cr ⁶⁺						
			PBBs						
			PBDEs						

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
60	A-20-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
61	A-21-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
62	A-21-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
63	A-21-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
64	A-22-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
65	A-22-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

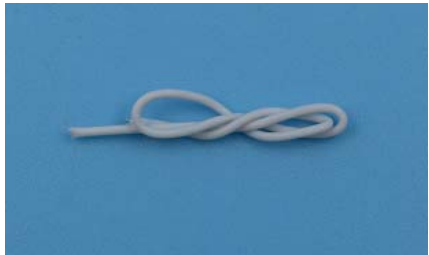
No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
66	A-23-1		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
67	A-23-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
68	A-23-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
69	A-23-4		Pb	N.D.			
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
70	A-23-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
71	A-23-6		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	Element	UV-Vis	ICP-OES	GC-MS
72	A-23-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
73	A-23-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
74	A-23-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
75	A-23-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
76	A-23-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
77	A-23-12		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	Element	UV-Vis	ICP-OES	GC-MS
78	A-23-13		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
79	A-23-14		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
80	A-23-15		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
81	A-23-16		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
82	A-23-17		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	1.87×10 ³			
			Cr ⁶⁺				N.D.
			PBBs				
			PBDEs				
83	B-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	Element	UV-Vis	ICP-OES	GC-MS
84	B-2		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
85	B-3		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
86	B-4		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	1.01×10 ³			N.D.
			Cr ⁶⁺				
			PBBs				
			PBDEs				
87	B-5		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
88	B-6		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
89	B-7		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	4.54×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				

No.	Sample No.	Figure	X-ray Screening		chemical test		
			Element	Element	UV-Vis	ICP-OES	GC-MS
90	B-8		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
91	B-9		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	2.13×10 ⁴			
			Br	/	N.D.		
			Cr ⁶⁺				
			PBBs				
			PBDEs				
92	B-10		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
93	B-11		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
94	B-12		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
95	B-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	Element	UV-Vis	ICP-OES	GC-MS
96	B-14		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	/			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
97	B-15		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
98	B-16		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
99	B-17		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
100	B-18		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				
101	B-19		Pb	N.D.	/	/	/
			Cd	N.D.			
			Hg	N.D.			
			Cr	N.D.			
			Br	N.D.			
			Cr ⁶⁺				
			PBBs				
			PBDEs				

**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).

Annex A 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-visible 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 *****