



TEST REPORT

APPLICANT : Shenzhen Chainway Information Technology Co.,Ltd.

PRODUCT NAME : UHF Sled Reader

MODEL NAME : R6

BRAND NAME : CHAINWAY

TEST REQUEST : As required by client , based on the RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU to determine the Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis (2-ethylhexyl) phthalate (DEHP), Dibutyl phthalate (DBP), Butyl benzyl Phthalate (BBP), Diisobutyl phthalate (DIBP) content in the submitted samples.

RECEIPT DATE : 2019-07-16

TEST DATE : 2019-07-16 to 2019-10-16

ISSUE DATE : 2019-10-18

CONCLUSION : Based on the performed tests on submitted sample(s), the results comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Edited by :

Tao Qing (Rapporteur)

Approved by :

Xiaoshan Ni (Supervisor)

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.





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Change History		
Version	Date	Reason for change
1.0	2019-10-18	First edition

1. Technical Information

Note: Provided by applicant

1.1 Applicant Information

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

2. Test Methods

2.1. 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.

XRF testing results are only used for reference.

2.2. Chemical Test

Test item	Test Method	Apparatus	MDL(mg/kg)
Hg	IEC 62321-4-2013	ICP-OES	2
Cd & Pb	IEC 62321-5-2013	CV-AAS or ICP-OES	2
Cr ⁶⁺	IEC 62321-7-2:2017 (For Polymer and Electronics)	UV-VIS	2
	IEC 62321-7-1:2015 [▲] (For Plating on Metals)		0.1ug/cm ²
PBBs & PBDEs	IEC 62321-6:2015	GC-MS	5
Phthalates (DBP,BBP,DEHP,DIBP)	IEC 62321-8:2017	GC-MS	10

3. Test Results and Sample Description

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

No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
1	A-1	Black Plastic Plug	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP				N.D.	
	N.D.								
	N.D.								
	N.D.								
2	A-2	Silver Metal Screw	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	/				
				Cr ⁶⁺		Negative			
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
3	A-3	Black Metal Screw	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	/				
				Cr ⁶⁺		Negative			
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
4	A-4	Silver Metal Screw	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	/				
				Cr ⁶⁺		Negative			
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
5	A-5	Copper Nut	Metal	Pb	D	/	#2.2×10 ⁴	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
6	A-6	Black Plastic	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	
7	A-7	Black Plastic Key	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	
8	A-8	Black Flexible Glue	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion		
				Element	Data	UV-Vis	ICP-OES	GC-MS			
9	A-9	Black Metal Screw	Metal	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	D						
				Br	/						
				Cr ⁶⁺		Negative					
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
10	A-10	Black Plastic Handle	Polymer	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	N.D.
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
11	A-11	Black Wire Jacket	Polymer	Pb	P	/	/		/		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/	/	246	
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
12	A-12	Red Wire Jacket	Polymer	Pb	P	/	/				/
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/	/	273	
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
13	A-13	Silver Metal Core	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
14	A-14	Silver Metal Rod	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	/				
				Cr ⁶⁺		Negative			
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
15	A-15	Black Plastic	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	
16	A-16	Gold Metal Pin	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
17	A-17	Gold Metal	Metal	Pb	D	/	#2.8×10 ⁴	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
18	A-18	Golden Metal Spring	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	/				
				Cr ⁶⁺		Negative			
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
19	A-19	Green Plastic Button	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	
20	A-20	Silvery Metal	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
21	A-21	Silvery Metal Shrapnel	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	D					
				Br	/					
				Cr ⁶⁺		Negative				
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
22	A-22	Black Plastic	Polymer	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	D					
				Cr ⁶⁺						N.D.
				PBBs						N.D.
				PBDEs						N.D.
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.
23	A-23	Silver Metal Connector	Metal	Pb	P	/	/		/	Pass
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
24	A-24	Gold Metal Pin	Metal	Pb	P	/	/		/	Pass
				Cd	P					
				Hg	P					
				Cr	D					
				Br	/					
				Cr ⁶⁺		Negative				
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
25	A-25	Resistance	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
26	A-26	Tin Solder	Metal	Pb	D	/	N.D.	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
27	A-27	PCB	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	D				
				Cr ⁶⁺					
				PBBs				N.D.	
				PBDEs				N.D.	
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
28	A-28	Gold Metal	Metal	Pb	D	/	#2.6×10 ⁴	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion		
				Element	Data	UV-Vis	ICP-OES	GC-MS			
29	A-29	Silver Metal Spring	Metal	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	D						
				Br	/						
				Cr ⁶⁺		Negative					
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
30	A-30	Black Plastic Clip	Polymer	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	N.D.
				PBBs							
				PBDEs							
				DBP							
				BBP							N.D.
				DEHP							N.D.
				DIBP							N.D.
31	A-31	Beige Plastic	Polymer	Pb	P	/	/		/		Pass
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/	/	N.D.	
				PBBs							
				PBDEs							
				DBP							
				BBP						N.D.	
				DEHP						N.D.	
				DIBP						N.D.	
32	A-32	Silvery Metal	Metal	Pb	P	/	/			/	Pass
				Cd	P						
				Hg	P						
				Cr	P						
				Br	/						
				Cr ⁶⁺							
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
33	A-33	Silver Metal Connector	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
34	A-34	Silver Metal Shell	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	/				
				Cr ⁶⁺		Negative			
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
35	A-35	Black Plastic	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	P				
				Cr ⁶⁺		N.D.			
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
	N.D.								
	N.D.								
	N.D.								
	N.D.								
36	A-36	Gold Metal Pin	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
37	A-37	Baseband	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	P				
				Cr ⁶⁺		N.D.		N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
38	A-38	White Plastic	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
39	A-39	PCB	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	D				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
40	A-40	Electronic Components	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion			
				Element	Data	UV-Vis	ICP-OES	GC-MS				
41	A-41	IC	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
42	A-42	Resistance	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
43	A-43	IC	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
44	A-44	IC	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion			
				Element	Data	UV-Vis	ICP-OES	GC-MS				
45	A-45	IC	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
46	A-46	IC	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
47	A-47	IC	Composite	Pb	D	/	&6.5×10 ⁴	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺			/	/		/		
				PBBs								
				PBDEs								
				DBP							N.D.	
				BBP							N.D.	
				DEHP							N.D.	
				DIBP							N.D.	
48	A-48	Resistance	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion			
				Element	Data	UV-Vis	ICP-OES	GC-MS				
49	A-49	Inductance	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
50	A-50	Crystal Oscillator	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
51	A-51	Triode	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
52	A-52	Diode	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
53	A-53	Capacitor	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
54	A-54	Led	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
55	A-55	Capacitor	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
56	A-56	Resistance	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
57	A-57	Chip Capacitor	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
58	A-58	Chip Resistor	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
59	A-59	Tin Solder	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						/
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
60	A-60	PCB Board	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	D					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
61	A-61	Black Flexible Glue	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				146	
				DIBP	N.D.				
62	A-62	Dark Green Paper	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
63	A-63	Black Wire Jacket	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
64	A-64	Silver Metal Core	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
65	A-65	Red Wire Jacket	Polymer	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
66	A-66	Gold Metal Core	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						N.D.
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
67	A-67	IC	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
68	A-68	IC	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
69	A-69	Tin Solder	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
70	A-70	PCB	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	D					
				Cr ⁶⁺				N.D.		
				PBBs						N.D.
				PBDEs						N.D.
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.
71	A-71	Blue Plastic Shell	Polymer	Pb	D	/	N.D.	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺			/	N.D.		
				PBBs						N.D.
				PBDEs						N.D.
				DBP						785
				BBP						N.D.
				DEHP				N.D.		
				DIBP				N.D.		
72	A-72	Green Plastic Shell	Polymer	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						N.D.
				PBDEs						N.D.
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
73	A-73	White Plastic	Polymer	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
74	A-74	Silver Metal Splices	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						/
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
75	A-75	Aluminum Sheet	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						/
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
76	A-76	Silver Metal Shell	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						/
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
77	A-77	Silver Foil	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
78	A-78	Copper Foil	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
79	A-79	Electrolyte	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	P				
				Cr ⁶⁺		N.D.			
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
80	A-80	White Plastic Film	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
81	A-81	Yellow Tape	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	D				
				Br	P				
				Cr ⁶⁺		N.D.			
				PBBs					
				PBDEs					
				DBP		N.D.			
				BBP		N.D.			
				DEHP		N.D.			
				DIBP		N.D.			
82	A-82	Electrode	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
83	A-83	Black Soft Film	Polymer	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	
84	A-84	Led Baffle	Composite	Pb	D	/	N.D.	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP			N.D.		
				BBP			N.D.		
				DEHP			N.D.		
				DIBP			N.D.		



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion		
				Element	Data	UV-Vis	ICP-OES	GC-MS			
85	A-85	Black Flexible Glue	Polymer	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	
				PBBs							
				PBDEs							
				DBP							N.D.
				BBP							N.D.
				DEHP							N.D.
				DIBP							N.D.
86	A-86	Black Plastic	Polymer	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	
				PBBs							
				PBDEs							
				DBP							N.D.
				BBP							N.D.
				DEHP							N.D.
				DIBP							N.D.
87	A-87	Black Metal Sheet	Metal	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	/						
				Cr ⁶⁺						/	/
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
88	A-88	Silver Metal Spring	Metal	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	D						
				Br	/						
				Cr ⁶⁺		Negative					
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion			
				Element	Data	UV-Vis	ICP-OES	GC-MS				
89	A-89	Black Plastic Trim	Polymer	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
90	A-90	Camera Baffle	Polymer	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
91	A-91	Silver Metal Screw	Metal	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	D							
				Br	/							
				Cr ⁶⁺		Negative		/		/		
				PBBs								
				PBDEs								
				DBP								
				BBP								
				DEHP								
				DIBP								
92	A-92	Baseband	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion		
				Element	Data	UV-Vis	ICP-OES	GC-MS			
93	A-93	Silver Metal Screw	Metal	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	D						
				Br	/						
				Cr ⁶⁺		Negative					
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
94	A-94	Black Plastic	Polymer	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	N.D.
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
95	A-95	White Label	Polymer	Pb	P	/	/		/		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/	/	N.D.	
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							
96	A-96	Black Plastic	Polymer	Pb	P	/	/				/
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/	/	N.D.	
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
97	A-97	Led Baffle	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
98	A-98	Silver Metal Shell	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						/
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
99	A-99	Lens Glass	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
100	A-100	Lens Glass	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
101	A-101	Black Plastic Shell	Polymer	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.
102	A-102	Bottom Glass	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.
103	A-103	IC	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.
104	A-104	IC	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
105	A-105	IC	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺						
				PBBs						
				PBDEs						
				DBP				N.D.		
				BBP				N.D.		
				DEHP				N.D.		
				DIBP	N.D.					
106	A-106	LED	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺						
				PBBs						
				PBDEs						
				DBP				N.D.		
				BBP				N.D.		
				DEHP				N.D.		
				DIBP	N.D.					
107	A-107	LED	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺						
				PBBs						
				PBDEs						
				DBP				N.D.		
				BBP				N.D.		
				DEHP				N.D.		
				DIBP	N.D.					
108	A-108	Crystal Oscillator	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	D					
				Br	P					
				Cr ⁶⁺	N.D.					
				PBBs						N.D.
				PBDEs						
				DBP				N.D.		
				BBP				N.D.		
				DEHP				N.D.		
				DIBP				N.D.		



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion		
				Element	Data	UV-Vis	ICP-OES	GC-MS			
109	A-109	IC	Composite	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	
				PBBs							
				PBDEs							
				DBP							N.D.
				BBP							N.D.
				DEHP							N.D.
				DIBP							N.D.
110	A-110	Capacitor	Composite	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	
				PBBs							
				PBDEs							
				DBP							N.D.
				BBP							N.D.
				DEHP							N.D.
				DIBP							N.D.
111	A-111	Chip Capacitor	Composite	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	P						
				Cr ⁶⁺				/		/	
				PBBs							
				PBDEs							
				DBP							N.D.
				BBP							N.D.
				DEHP							N.D.
				DIBP							N.D.
112	A-112	Tin Solder	Metal	Pb	P	/	/	/	Pass		
				Cd	P						
				Hg	P						
				Cr	P						
				Br	/						
				Cr ⁶⁺						/	/
				PBBs							
				PBDEs							
				DBP							
				BBP							
				DEHP							
				DIBP							



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion			
				Element	Data	UV-Vis	ICP-OES	GC-MS				
113	A-113	PCB	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	D							
				Cr ⁶⁺				/		/	N.D.	
				PBBs							N.D.	
				PBDEs							N.D.	
				DBP							N.D.	
				BBP							N.D.	
				DEHP							N.D.	
				DIBP							N.D.	
114	A-114	Black Plastic Wire Sleeve	Polymer	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	N.D.
				PBBs								N.D.
				PBDEs								N.D.
				DBP							N.D.	
				BBP							N.D.	
				DEHP							N.D.	
				DIBP							N.D.	
115	A-115	Yellow Wire Jacket	Polymer	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	N.D.
				PBBs								N.D.
				PBDEs								N.D.
				DBP							N.D.	
				BBP							N.D.	
				DEHP							N.D.	
				DIBP							N.D.	
116	A-116	Silver Metal Core	Metal	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	/							
				Cr ⁶⁺						/	/	/
				PBBs								
				PBDEs								
				DBP								
				BBP								
				DEHP								
				DIBP								



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
117	A-117	Silvery Metal	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
118	A-118	Gold Metal Plug	Metal	Pb	D	/	#3.0×10 ⁴	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
119	A-119	IC	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	D				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
120	A-120	White Ceramic	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
121	A-121	PCB	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						N.D.
				BBP						N.D.
				DEHP						N.D.
				DIBP						N.D.
122	A-122	Tin Solder	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						/
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
123	A-123	Silver Metal Cover	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	D					
				Br	/					
				Cr ⁶⁺		Negative				
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
124	A-124	Silvery Metal	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
125	A-125	Aluminum Plate	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
126	A-126	IC	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	
127	A-127	IC	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	
128	A-128	IC	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP				N.D.	



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
129	A-129	Inductance	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
130	A-130	Inductance	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
131	A-131	IC	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
132	A-132	IC	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺				N.D.	
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion			
				Element	Data	UV-Vis	ICP-OES	GC-MS				
133	A-133	Inductance	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
134	A-134	Crystal Oscillator	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
135	A-135	IC	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
136	A-136	Capacitor	Composite	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion	
				Element	Data	UV-Vis	ICP-OES	GC-MS		
137	A-137	LED	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
138	A-138	Magnetic Coil	Metal	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	/					
				Cr ⁶⁺						/
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						
139	A-139	Triode	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.
140	A-140	Capacitor	Composite	Pb	P	/	/	/	Pass	
				Cd	P					
				Hg	P					
				Cr	P					
				Br	P					
				Cr ⁶⁺				N.D.		
				PBBs						
				PBDEs						
				DBP						
				BBP						
				DEHP						
				DIBP						N.D.



No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion
				Element	Data	UV-Vis	ICP-OES	GC-MS	
141	A-141	Chip Capacitor	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
142	A-142	Chip Resistor	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	P				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				
143	A-143	Tin Solder	Metal	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	/				
				Cr ⁶⁺					
				PBBs					
				PBDEs					
				DBP					
				BBP					
				DEHP					
				DIBP					
144	A-144	PCB Board	Composite	Pb	P	/	/	/	Pass
				Cd	P				
				Hg	P				
				Cr	P				
				Br	D				
				Cr ⁶⁺					
				PBBs				N.D.	
				PBDEs				N.D.	
				DBP				N.D.	
				BBP				N.D.	
				DEHP				N.D.	
				DIBP	N.D.				

No.	Sample No.	Sample Description	Sample Material	X-ray Screening		chemical test			Conclusion			
				Element	Data	UV-Vis	ICP-OES	GC-MS				
145	A-145	White Gel	Polymer	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
146	A-146	Black Plastic Shell	Polymer	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	P							
				Cr ⁶⁺				/		/	/	
				PBBs								
				PBDEs								
				DBP								N.D.
				BBP								N.D.
				DEHP								N.D.
				DIBP								N.D.
147	A-147	Black Metal Shell	Metal	Pb	P	/	/	/	Pass			
				Cd	P							
				Hg	P							
				Cr	P							
				Br	/							
				Cr ⁶⁺						/	/	/
				PBBs								
				PBDEs								
				DBP								
				BBP								
				DEHP								
				DIBP								

Remark:

(1) mg/kg=ppm

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

(3)"/"= Not Conducted

(4)MDL = Method Detection Limit

(5) [▲]= a. The sample is negative for Cr⁶⁺ - the Cr⁶⁺ concentration is below the limit 0.10ug/cm². The coating is considered a non-Cr⁶⁺ based coating.

b. The sample positive for Cr⁶⁺ if the Cr⁶⁺ concentration is 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).

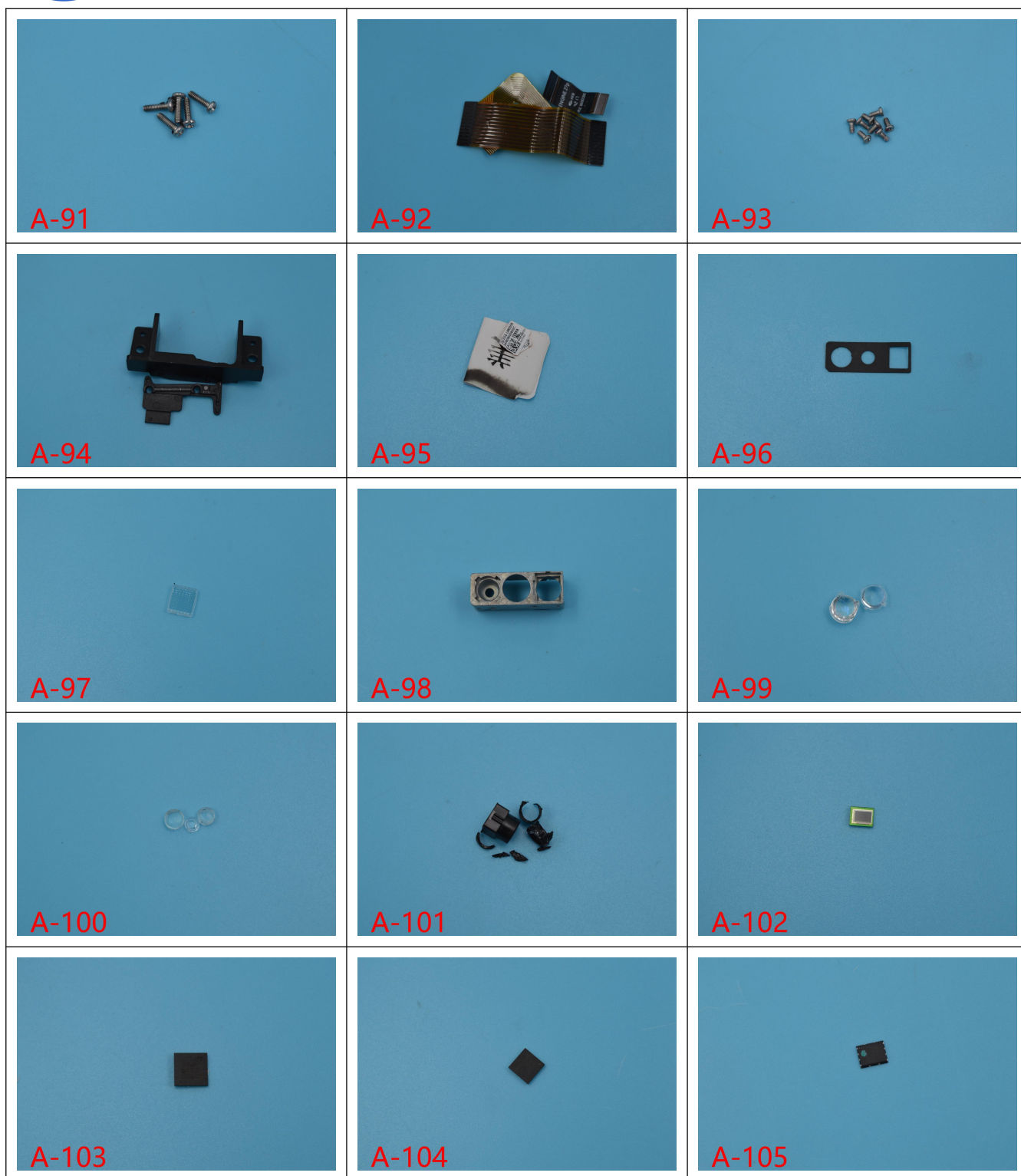
(7)& = Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound. The item is exempted from the requirements of the item 7(c)- I in ANNEX III, (Directive 2011/65/EU).

Annex A Photographs of the EUT

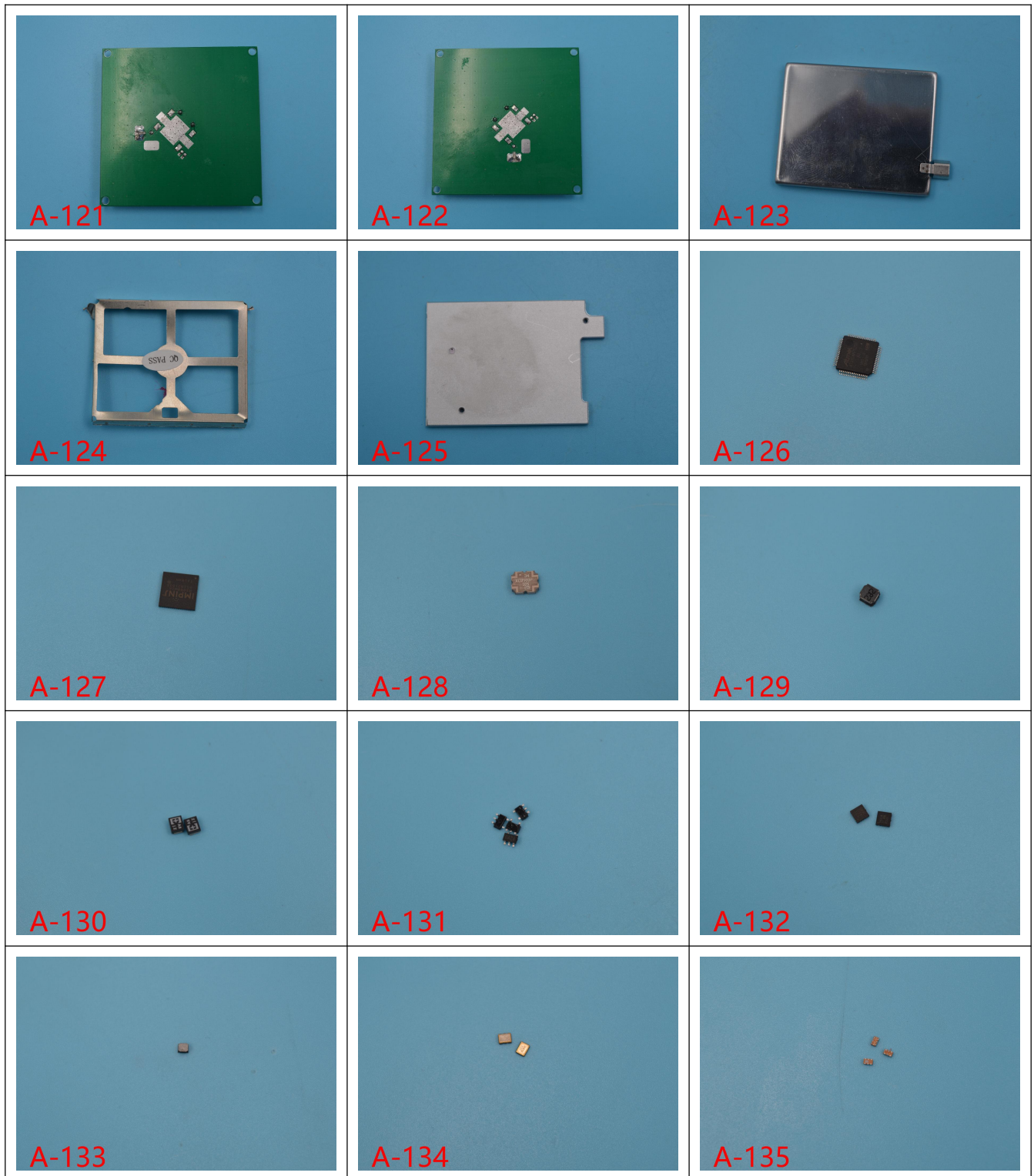


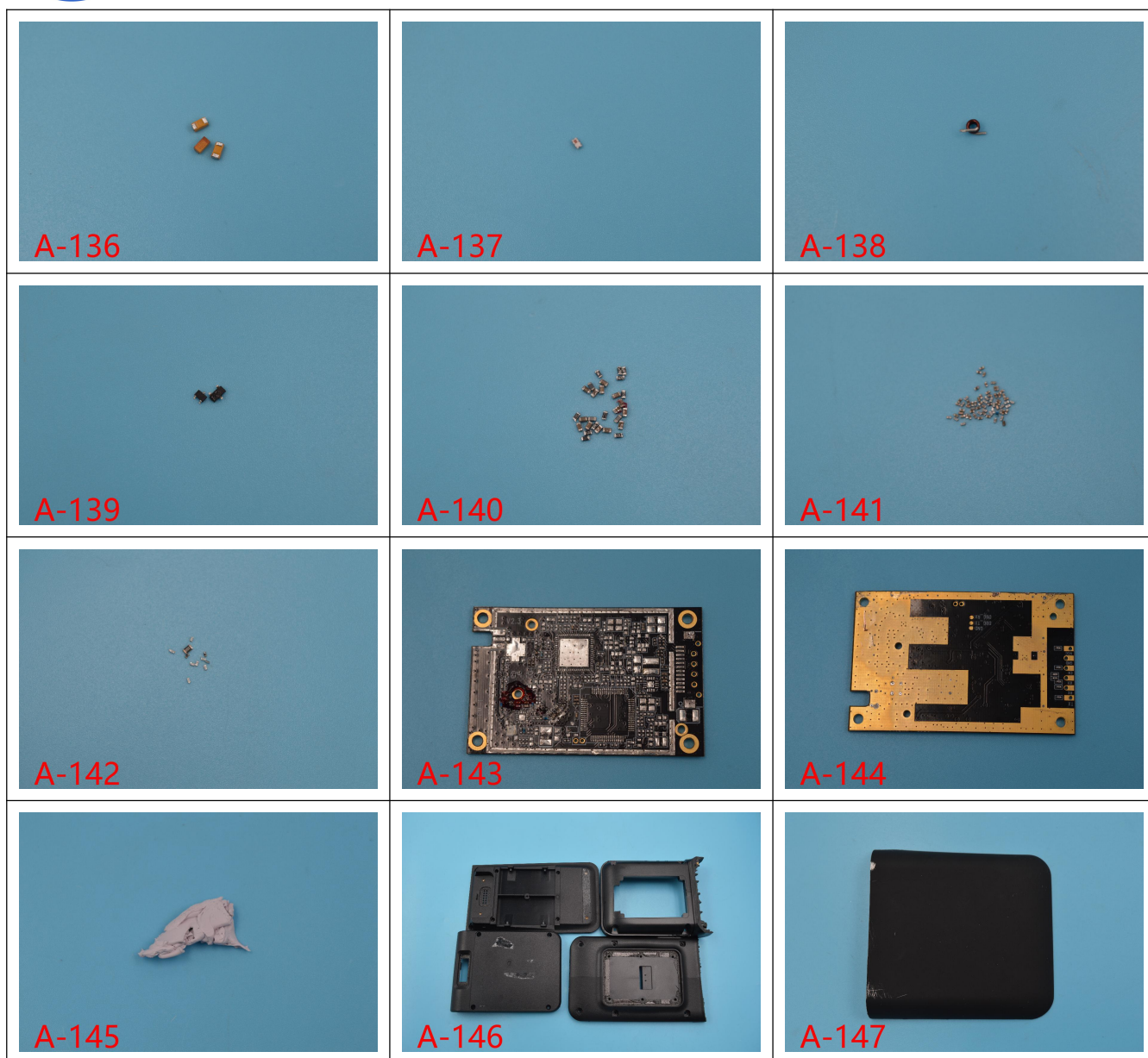












Annex B General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Laboratory Address:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China
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:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

1.3 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	2019.04.10	2020.04.09
2	gas chromatograph-mass spectrometer (GC-MS)	CN10617090	6890-5975I	Agilent	2019.04.10	2020.04.09
3	Visible Spectrophotometer	723S18011	DP-733S	Delp	2018.09.06	2019.09.05
4	IPC-OES	842320072001	iCAP7200	Thermo	2019.04.10	2020.04.09

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