

## XRF Screening And Chemical Confirmation Test Report

Applicant:

### Sample Description:

The following submitted sample(s) said to be:

Item Name : **Electric Fan**  
Model No. : YF-ST1601  
Reference No. : See appendix  
Date of Sample Received : Sep 12, 2023 & Oct 19, 2023  
Testing Period : Sep 12, 2023 to Oct 24, 2023

### Tests conducted:

As requested by the applicant, refer to following page(s) for details.

### Conclusion:

Tested Sample	Standard	Result
Tested components of submitted sample	Screening by XRF spectroscopy and chemical confirmation test for RoHS Directive 2011/65/EU and (EU) 2015/863	Pass

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch:  
Prepared by:



Bryce Lai  
Project Engineer



Reviewed by:



Michael Pang  
Asst. Technical Supervisor



## XRF Screening And Chemical Confirmation Test Report

### Certain Hazardous Substance in Electrical and Electronic Equipment

Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr) and Bromine (Br) content were measured with reference to IEC 62321-3-1 Edition 1.0: 2013 by XRF spectroscopy and chemical confirmation test for RoHS restricted substances. And Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) and Phthalates content were determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

(A) Results:

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
1	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
2	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
3	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
4	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
5	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
6	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
7	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
8	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
9	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
10	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
11	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					
12	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
13	Cd	ND	NA	Cr <sup>6+</sup> : Negative	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					
14	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
15	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
16	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
17a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
17b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
17c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
18	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
19	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
20	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
21	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
22	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
23	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
24	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	NT	ND
	DEHP	NA		ND
	BBP			ND
	DBP			ND
DIBP	ND			
25	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	P	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP				
26	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
27	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
28	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	NT	ND
	DEHP	NA		
	BBP			
	DBP			
DIBP				
29	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
30	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
31	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	NT	ND
	DEHP	NA		
	BBP			
	DBP			
DIBP				
32	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	NA	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP				



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
33	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
34	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
35	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
36	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
37	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
38	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
39a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
39b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
40	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
41	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
42a	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
42b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
42c	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
43	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
44	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
45	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
46	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
47	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
48	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
49	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
50	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
51	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
52	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
53	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
54	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
55	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
56	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
57	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
58	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
59	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
60	Cd	ND	NA	PBBs : ND PBDEs : See Appendix
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
61	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
62	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
63	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
64	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
65	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
66	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
67	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
68	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
69	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
70	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
71	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
72	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
73	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
74	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
75	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
76	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
77	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
78	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
79	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
80	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
81	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
82	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
83	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
84	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
85	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
86	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
87	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
88	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
89	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
90	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
91	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
92	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
93	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
94	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
95	Cd	ND	NA	PBBs : ND PBDEs : See Appendix
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
96	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
97	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
98	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
99	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
100	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
101	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
102	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
103	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
104	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
105	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Detected		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
106	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
107	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
108	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
109	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
110	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
111	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
112	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
113	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
114	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
115	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
116	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
117	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
118	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
119	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
120	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
121	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
122	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
123	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
124	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
125	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
126	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
127	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
128	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
129	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
130	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
131	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
132	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
133	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
134	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
135	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
136	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
137	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
138	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
139	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
140	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
141a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
141b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
142a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
142b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
143	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
144	Cd	ND	NA	NT
	Pb	>1500mg/kg <sup>#2</sup>		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
145a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
145b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
145c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
146	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
147a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	107mg/kg
	BBP			ND
	DBP			ND
DIBP	ND			
147b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				
147c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
148a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
148b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
148c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
149	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	>1500mg/kg <sup>#3</sup>		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
150	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
151	Cd	ND	NA	NT
	Pb	>1500mg/kg <sup>#2</sup>		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
152	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
153	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
154	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
155	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
156	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
157	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
158a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA		ND
	BBP			ND
	DBP			ND
DIBP			ND	
158b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
158c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA		ND
	BBP			ND
	DBP			NT
DIBP			ND	
158d	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
158e	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
159	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive			
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
160	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
161a	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				
161b	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive			
	DEHP	NA			P
	BBP				P
	DBP				P
DIBP	P				



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
162	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
163	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	>1500mg/kg <sup>#3</sup>		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
164	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
165	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
166a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	223mg/kg
	BBP			ND
	DBP			ND
DIBP	ND			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
166b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
166c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
167a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				
167b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				
167c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
167d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
168	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
169a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
169b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
170a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
170b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
170c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
171	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
172	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
173	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
174	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
175	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
176a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
176b	Cd	ND	NA	NT
	Pb	>1500mg/kg <sup>#2</sup>		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
176c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
177a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
177b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
177c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
178	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
179a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
179b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
180	Cd	ND	NA	NT
	Pb	>1500mg/kg <sup>#3</sup>		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				
181	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				
182	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
183	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP			
	DBP			
DIBP				



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
184	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
185	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
186	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
187	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
188	Cd	ND	NA	Pb:25896mg/kg <sup>#1</sup>
	Pb	>1300mg/kg		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
189	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
190	Cd	ND	NA	Pb:26085mg/kg <sup>#1</sup>
	Pb	>1300mg/kg		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
191	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
192	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
193	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
194	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
195	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
196	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
197	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
198	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			



## XRF Screening And Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
199	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
200	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			
201	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	P	NT
	BBP		P	
	DBP		P	
DIBP	P			

Detected = Below the lower screening limit of table (B1) and pass

ND = Not detected

NT = Not tested

NA = Not applicable

Negative = The Cr (VI) concentration is less than 0.10 µg/cm<sup>2</sup>.The sample is negative for Cr (VI).



## XRF Screening And Chemical Confirmation Test Report

### Appendix:

Testing Item	Result (mg/kg)	
	60	95
Sum of Polybrominated Biphenyls (PBBs)	ND	ND
Monobromobiphenyl (MonoBB)	ND	ND
Dibromobiphenyl (DiBB)	ND	ND
Tribromobiphenyl (TriBB)	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND
Sum of Polybrominated Diphenyl Ethers (PBDEs)	117	343
Monobromodiphenyl Ether (MonoBDE)	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND
Decabromodiphenyl Ether (DecaBDE)	117	343

#### Remark:

- (# 1) = As claimed by the declaration submitted from the applicant, the Lead content of the component comes from Copper alloy only. According to EU RoHS Directive (2011/65/EU) Annex III 6(c), Lead in Copper alloy containing up to 4% (40,000 mg/kg) Lead by weight can be exempted.
- (# 2) = As claimed by the declaration submitted from the applicant, the Lead content of the components is coming from the constituent of glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or a glass or ceramic matrix compound of the electrical and electronic component only. According to EU RoHS Directive (2011/65/EU) Annex III 7(c)-I, Lead in this component can be exempted.
- (# 3) = As claimed by the declaration submitted from the applicant, the Lead content of the component comes from the constituent of high melting temperature type solders (i.e. Lead-based alloys containing 85% by weight or more Lead) only. According to EU RoHS Directive (2011/65/EU) Annex III 7(a), Lead in high melting temperature type solders of the component can be exempted.



## XRF Screening And Chemical Confirmation Test Report

### (B) Screening Limits

#### (B1). XRF Screening Limits in mg/kg for Regulated Elements in Various Matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 130 \leq F$	$P \leq 70 < X < 150 \leq F$
Pb	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Hg	$P \leq 700 < X < 1300 \leq F$	$P \leq 700 < X < 1300 \leq F$	$P \leq 500 < X < 1500 \leq F$
Cr	$P \leq 700 < X$	$P \leq 700 < X$	$P \leq 500 < X$
Br	$P \leq 300 < X$	Not applicable	$P \leq 250 < X$

XRF spectrometry provides information on the total quantity of each element present in the sample, but does not identify compounds or valence states of the elements. Therefore, special attention shall be paid when screening for chromium and bromine, where the result will reflect only the total chromium and total bromine present. The presence of Cr(VI) or the brominated flame retardants PBB or PBDE shall be confirmed by a verification test procedure.

P = Pass

X = Inconclusive result

F = Fail

mg/kg = milligram per kilogram = ppm

(B2). Preliminary screening test will be used for phthalates, if the results exceed the warning area in the following table, further chemical methods will be conducted to confirm the exact content by GC/MS.

Phthalates	Polymer
Bis(2-ethylhexyl) phthalate (DEHP)	$P \leq 600 < X$
Butyl benzyl phthalate (BBP)	$P \leq 600 < X$
Dibutyl phthalate (DBP)	$P \leq 600 < X$
Diisobutyl phthalate (DIBP)	$P \leq 600 < X$

P = Pass

X = Inconclusive result



**XRF Screening And Chemical Confirmation Test Report**

(C) Estimated Detection Limits in mg/kg for Regulated Elements in Various Matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not applicable	200

**Disclaimers:**

This XRF Screening and Chemical Confirmation Test Report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF Screening and Chemical Confirmation Test Report is sufficient for its/his/her purposes.

The results shown in this XRF Screening and Chemical Confirmation Test Report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis is required to obtain quantitative data.

(D) Chemical Test Methods:

Test Item	Test Method	Detection Limit
Cadmium (Cd) Content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion and determined by ICP - OES	10 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion and determined by ICP - OES	10 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 Edition 1.1: 2017, by acid digestion and determined by ICP - OES	10 mg/kg
Chromium (VI)(Cr <sup>6+</sup> ) Content	With reference to IEC 62321-7-2 Edition 1.0: 2017, Hexavalent chromium – Determination of hexavalent chromium (Cr(VI) in polymers and electronics by the colorimetric method	10 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content	With reference to IEC 62321-7-1 Edition 1.0: 2015, by boiling water extraction and determined by UV-VIS spectrophotometer	0.10 µg/cm <sup>2</sup>
Polybrominated Biphenyls (PBBs) Content	With reference to IEC 62321-6 Edition 1.0: 2015, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	100 mg/kg for single compound
Polybrominated Diphenyl Ethers (PBDEs) Content	With reference to IEC 62321-6 Edition 1.0: 2015, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	100 mg/kg for single compound
Phthalates (DEHP, BBP, DBP, DIBP) Content	With reference to IEC 62321-8 Edition 1.0: 2017, by solvent extraction and determined by GC/MS	100 mg/kg for single compound



## XRF Screening And Chemical Confirmation Test Report

(E) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr <sup>6+</sup> )	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)
Phthalates (DEHP, BBP, DBP, DIBP)	0.1% (1000 mg/kg)

The above limits were quoted from 2011/65/EU and (EU) 2015/863 for homogeneous material.

**Remark:**

As requested by the applicant, only the selected components listed in this report were tested, and other components not mentioned were not conducted.



## XRF Screening And Chemical Confirmation Test Report

Screened components:

- (1) White plastic
- (2) White plastic
- (3) White plastic
- (4) White coating on metal
- (5) Silvery metal excluding coating
- (6) Silvery metal excluding coating
- (7) White plastic
- (8) Silvery metal excluding coating
- (9) White plastic
- (10) White plastic
- (11) Silvery metal excluding coating
- (12) White plastic
- (13) Silvery metal
- (14) White plastic
- (15) Silvery metal
- (16) Silvery metal(screw)
- (17)
- (17a) Semi-transparent blue plastic
- (17b) Semi-transparent grey plastic
- (17c) White plastic
- (18) White plastic
- (19) White plastic
- (20) White plastic
- (21) White plastic
- (22) Silvery metal
- (23) Black treated metal
- (24) Brown fiberboard
- (25) Black plastic
- (26) Black treated metal
- (27) Black treated metal
- (28) Brown grease
- (29) Copper color metal
- (30) Silvery metal
- (31) Red plastic
- (32) White plastic
- (33) Black plastic
- (34) Silvery metal with blue printing
- (35) White string
- (36) White plastic
- (37) Yellow tape
- (38) Silvery plastic label with black printing
- (39)



## XRF Screening And Chemical Confirmation Test Report

- (39a) White body
- (39b) White soft plastic
- (40) Black soft plastic(heating shrinkage sleeving)
- (41) Red soft plastic(wire covering)
- (42) Capacitor
- (42a) Black plastic with grey printing
- (42b) Transparent/silvery electrolytic paper
- (42c) Black plastic
- (43) White soft plastic with black printing
- (44) White soft plastic(wire covering)
- (45) Red soft plastic(wire covering)
- (46) Blue soft plastic(wire covering)
- (47) Black soft plastic(wire covering)
- (48) White plastic
- (49) White soft plastic
- (50) White plastic
- (51) Blue soft plastic(wire covering)
- (52) Brown soft plastic(wire covering)
- (53) White soft plastic
- (54) White plastic
- (55) Silvery metal
- (56) Black coating on metal
- (57) Silvery metal
- (58) White plastic
- (59) Black plastic
- (60) Black plastic
- (61) Black plastic
- (62) Black soft plastic
- (63) Silvery metal
- (64) Green coating on metal
- (65) Copper color metal
- (66) Silvery metal
- (67) Silvery metal
- (68) Silvery metal
- (69) Copper color metal
- (70) Solder
- (71) Silvery metal
- (72) Silvery metal
- (73) Silvery metal
- (74) Grey plastic with white printing
- (75) Dull grey plastic
- (76) Dull grey plastic with black printing
- (77) Blue plastic
- (78) Dull blue plastic



## XRF Screening And Chemical Confirmation Test Report

- (79) Semi-transparent black plastic
- (80) White plastic
- (81) Silvery plastic with black printing
- (82) Yellow soft plastic
- (83) Grey soft plastic
- (84) Black plastic
- (85) Transparent plastic(LED)
- (86) Black body with silvery metal (IC)
- (87) Green PCB
- (88) Solder
- (89) White plastic with black/green plastic
- (90) White plastic
- (91) Transparent plastic(LED)
- (92) Green PCB
- (93) Solder
- (94) Black plastic with white/green plastic
- (95) Black plastic
- (96) Black plastic with white plastic
- (97) Green PCB
- (98) Solder
- (99) Blue plastic
- (100) White plastic with silvery plated coating
- (101) Grey plastic
- (102) Black plastic
- (103) Grey plastic
- (104) Light grey plastic
- (105) Semi-transparent blue plastic
- (106) Pink plastic
- (107) Grey plastic
- (108) Black plastic
- (109) Dull grey plastic
- (110) Grey plastic
- (111) Green plastic
- (112) Blue plastic
- (113) Orange plastic
- (114) Semi-transparent white plastic
- (115) Black plastic
- (116) Grey plastic
- (117) Dull grey plastic
- (118) Yellow plastic
- (119) Green plastic
- (120) Light blue plastic
- (121) Semi-transparent black plastic
- (122) Green plastic



## XRF Screening And Chemical Confirmation Test Report

- (123) Blue plastic
- (124) Orange plastic
- (125) White plastic
- (126) White plastic
- (127) Silvery plastic label with black printing
- (128) Black magnet
- (129) White fiberglass
- (130) Black soft plastic(wire covering)
- (131) White tape
- (132) White plastic
- (133) White plastic
- (134) Transparent plastic
- (135) Copper color metal
- (136) Red soft plastic(wire covering)
- (137) White plastic
- (138) Silvery/copper color metal(point)
- (139) Black body(triode)
- (140) White plastic
- (141) Fuse
- (141a) Red plastic
- (141b) Black plastic
- (142)
- (142a) Black body
- (142b) Black soft plastic(heating shrinkage sleeving)
- (143) Semi-transparent white glue
- (144) Transparent glass with inaccessible orange-red / black material & silvery metal(SMD diode)
- (145) Buzzer
- (145a) Black plastic
- (145b) Golden metal with white ceramic
- (145c) Black plastic
- (146) Green plastic with multicolor printing(inductor)
- (147) Capacitor
- (147a) Black plastic with white printing
- (147b) Beige paper (electrolytic paper)
- (147c) Black soft plastic
- (148) Capacitor
- (148a) Yellow plastic with black printing
- (148b) Transparent/silvery electrolytic paper
- (148c) Light yellow plastic
- (149) Black body with silvery metal (SMD diode)
- (150) Black body with silvery metal (IC)
- (151) Transparent glass with inaccessible orange-red / black material & silvery metal(SMD diode)
- (152) White ceramic with black material & white printing & silvery metal(SMD resistor)
- (153) Green PCB



## XRF Screening And Chemical Confirmation Test Report

- (154) Solder
- (155) White soft plastic with pink printing
- (156) White plastic
- (157) Transparent plastic with yellow printing(LED)
- (158)
- (158a) Transparent plastic
- (158b) White plastic
- (158c) Transparent glue
- (158d) Black PCB
- (158e) Transparent plastic with black printing
- (159) Green PCB
- (160) Solder
- (161)
- (161a) Black plastic
- (161b) Black plastic
- (162) Transparent glass with inaccessible orange-red / black material & silvery metal(diode)
- (163) Black body(diode)
- (164) Semi-transparent red plastic(LED)
- (165) Beige body with multicolor printing(resistor)
- (166) Capacitor
- (166a) Black plastic with white printing
- (166b) Beige paper (electrolytic paper)
- (166c) Black soft plastic
- (167) Buzzer
- (167a) Black plastic
- (167b) Black plastic
- (167c) Green PCB
- (167d) Solder
- (168) Transparent glass
- (169)
- (169a) Black body
- (169b) White plastic
- (170) Capacitor
- (170a) Yellow plastic with black printing
- (170b) Transparent/silvery electrolytic paper
- (170c) Light yellow plastic
- (171) Black soft plastic(heating shrinkage sleeving)
- (172) Blue PCB
- (173) Solder
- (174) Green PCB
- (175) Solder
- (176) Buzzer
- (176a) Black plastic
- (176b) Golden metal with white ceramic

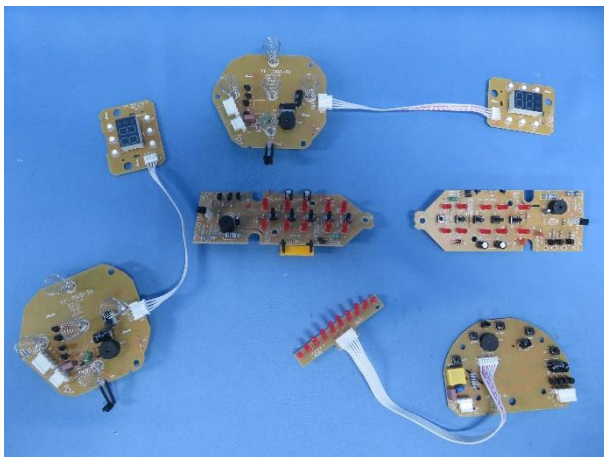


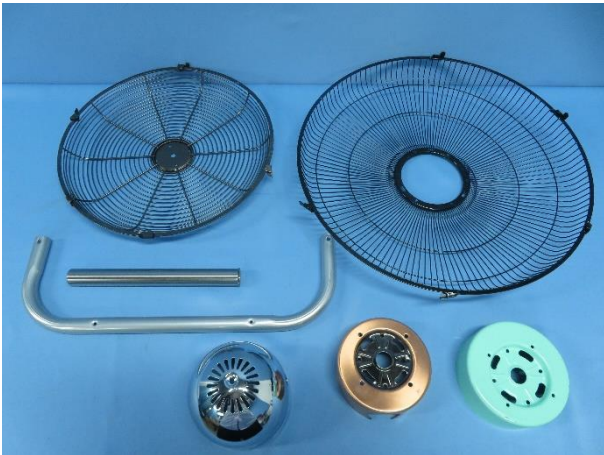
## XRF Screening And Chemical Confirmation Test Report

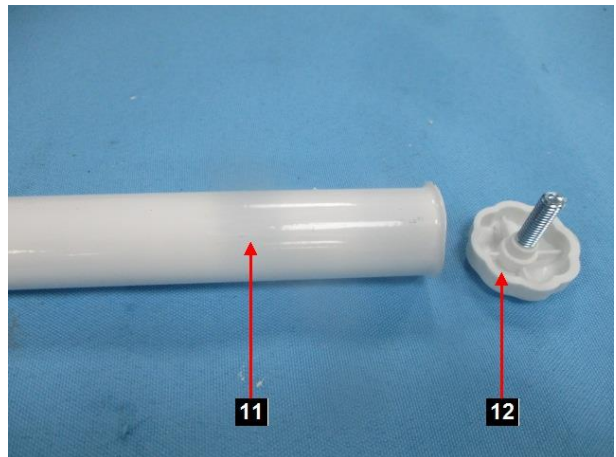
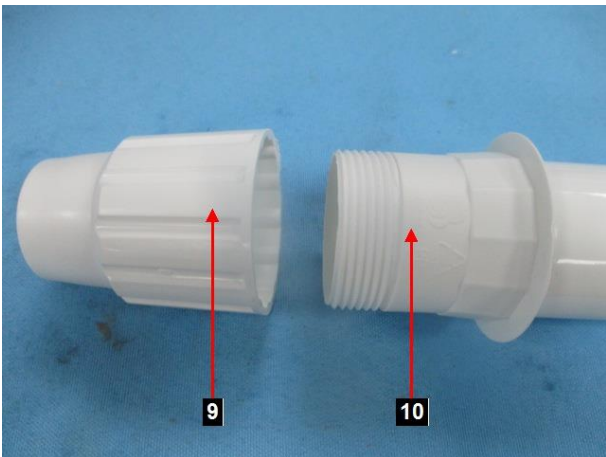
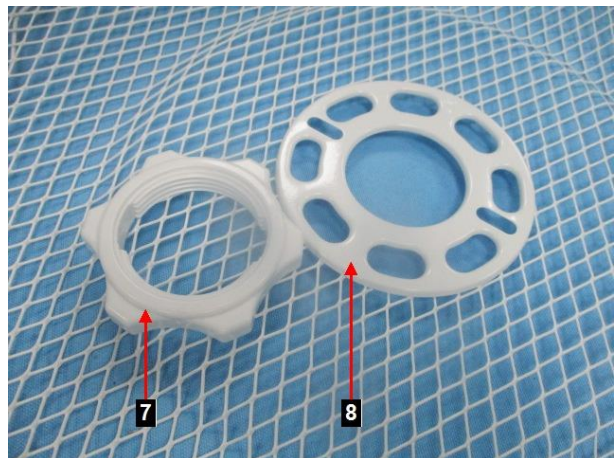
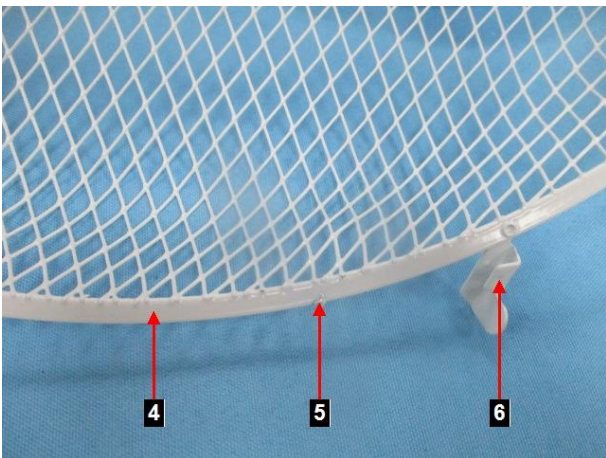
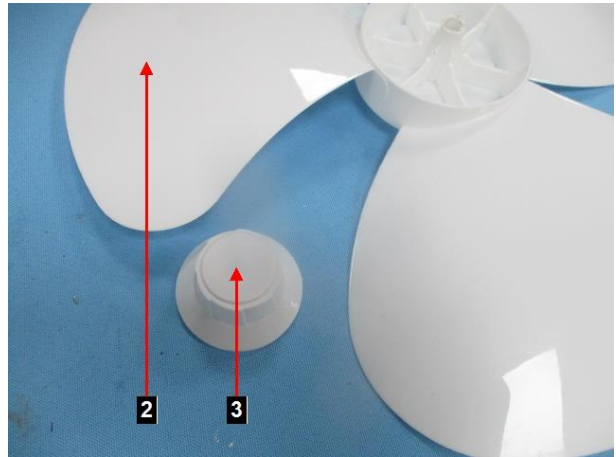
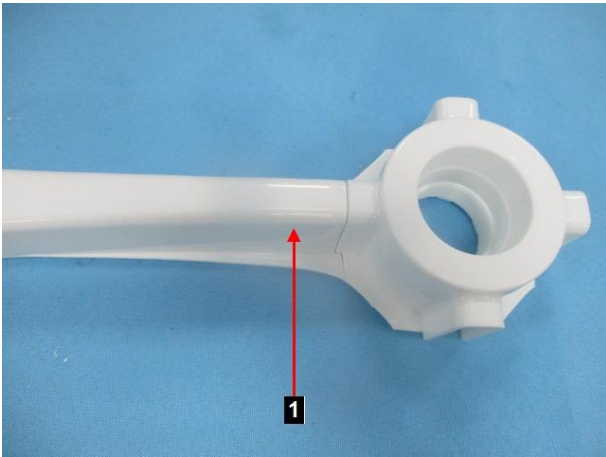
- (176c) Black plastic
- (177) Capacitor
- (177a) Yellow plastic with black printing
- (177b) Transparent/silvery electrolytic paper
- (177c) Light yellow plastic
- (178) Blue body with black printing(capacitor)
- (179) Fuse
- (179a) Red plastic
- (179b) Black plastic
- (180) Black body with silvery metal (SMD diode)
- (181) Green PCB
- (182) Solder
- (183) Black soft plastic
- (184) Yellow/green soft plastic(wire covering)
- (185) Brown soft plastic(wire covering)
- (186) Blue soft plastic(wire covering)
- (187) Black soft plastic
- (188) Silvery metal
- (189) Black plastic
- (190) Silvery metal
- (191) Black plastic
- (192) White plastic
- (193) Black soft plastic
- (194) Black plastic
- (195) Silvery metal
- (196) Black soft plastic
- (197) Green PCB
- (198) Black soft plastic
- (199) Black plastic
- (200) White soft plastic
- (201) White soft plastic

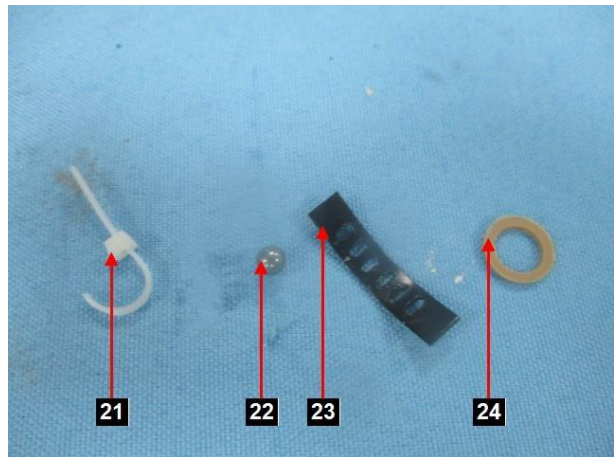
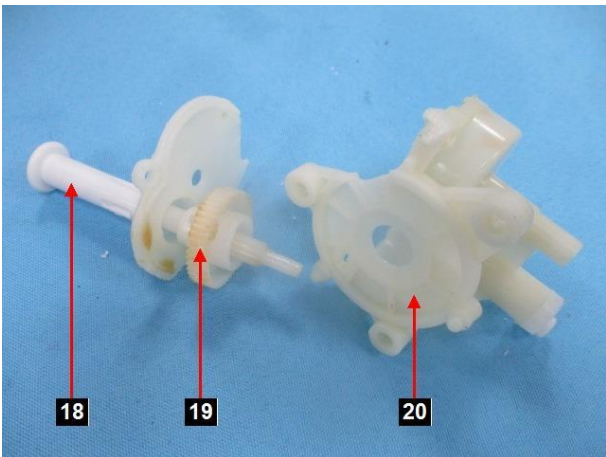
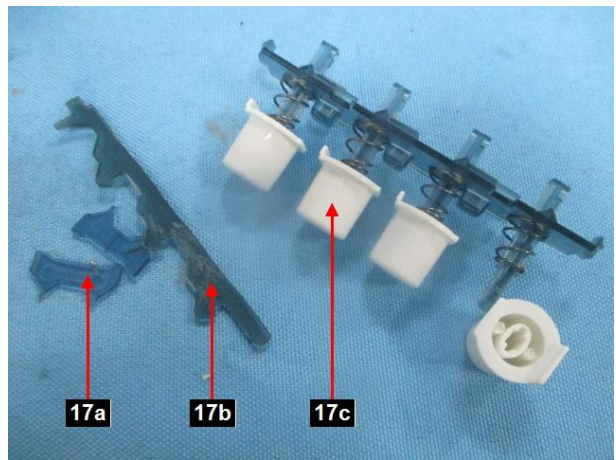
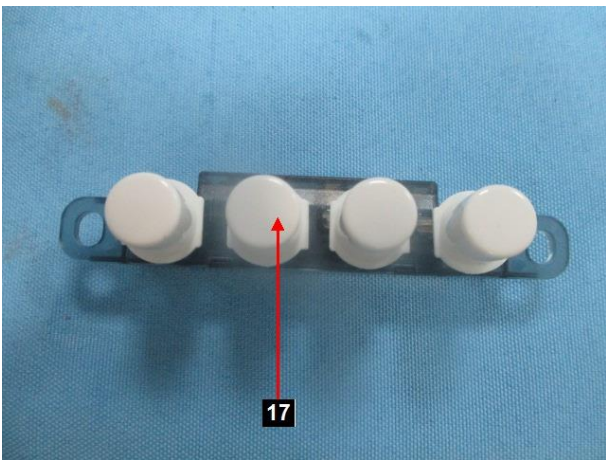
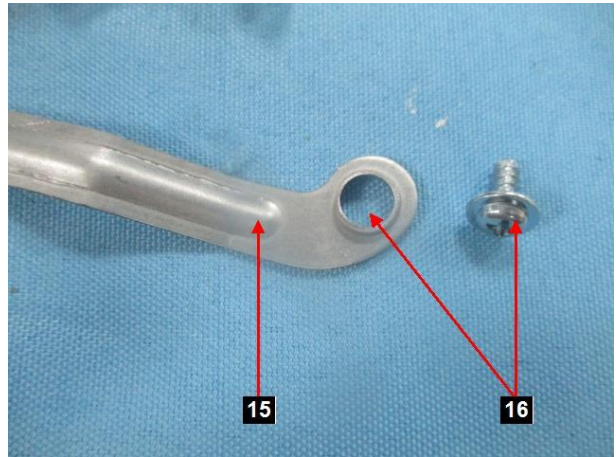
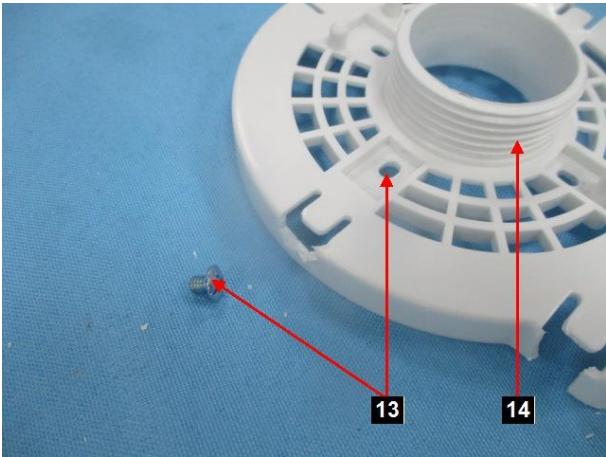


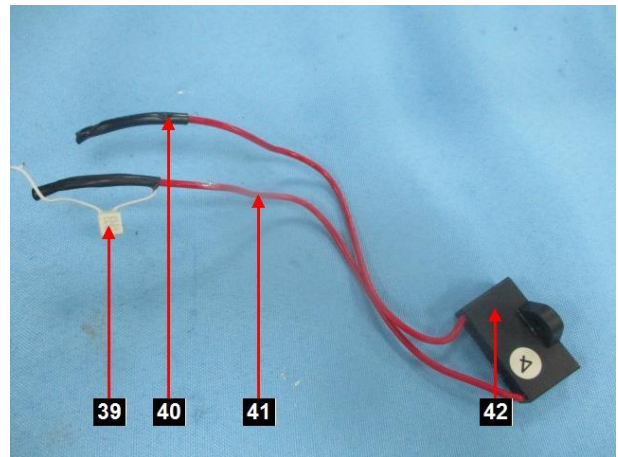
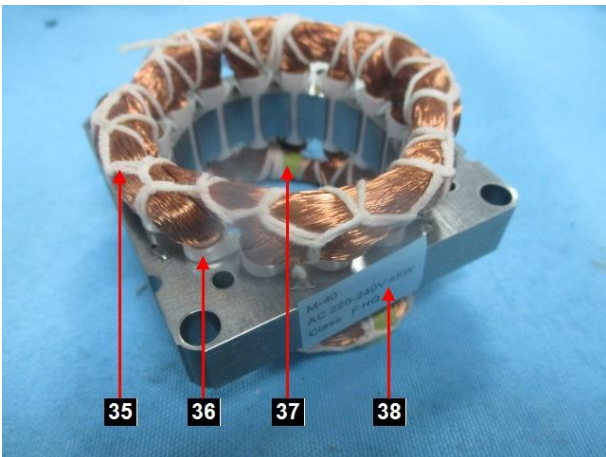
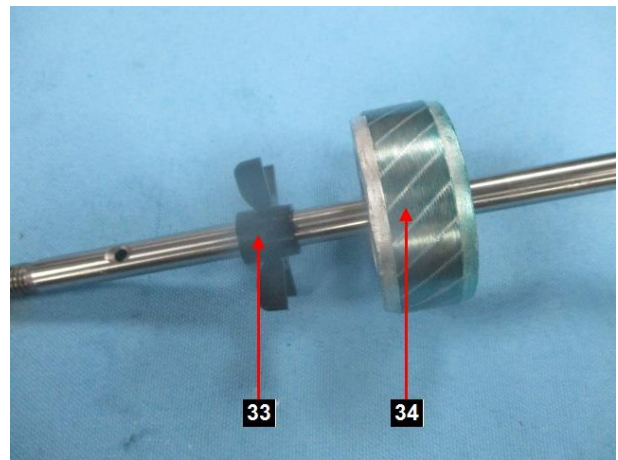
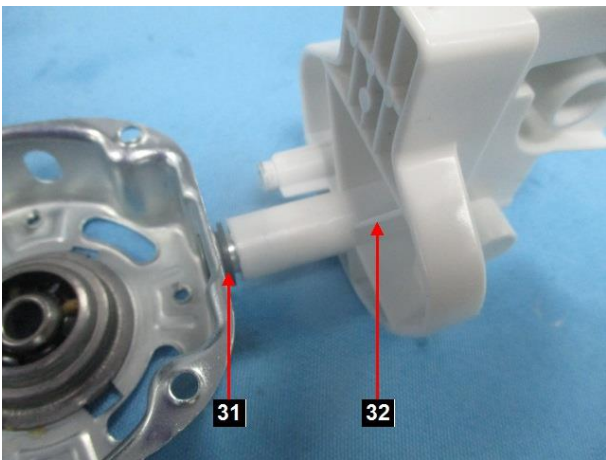
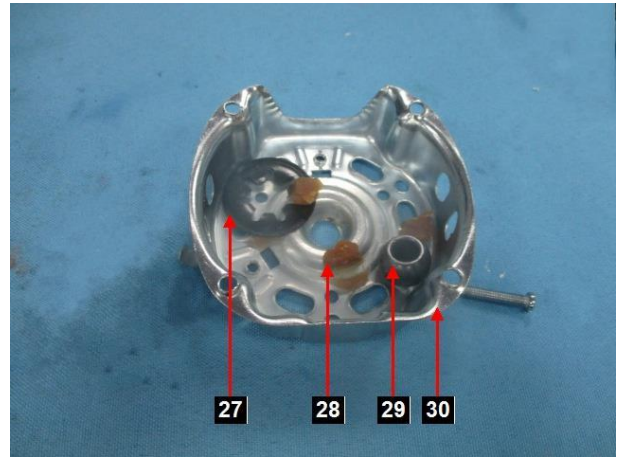
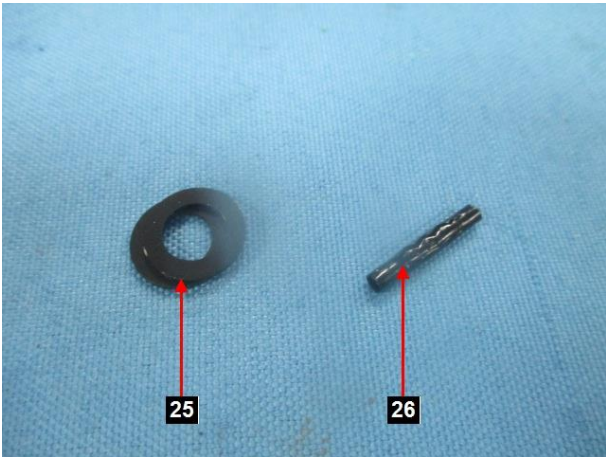
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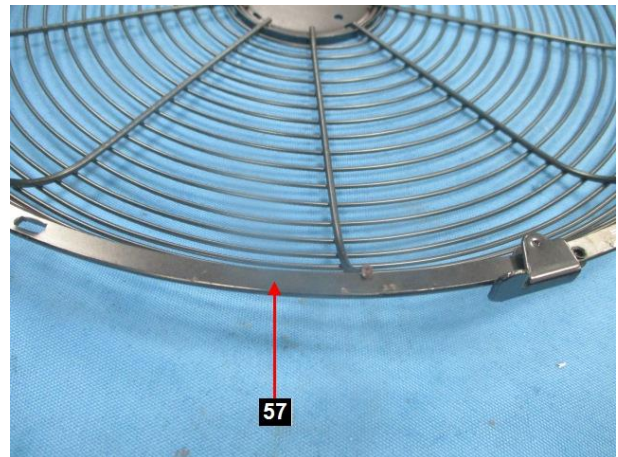
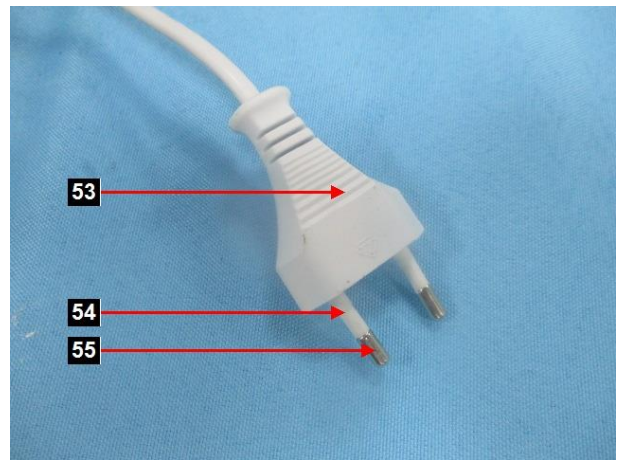
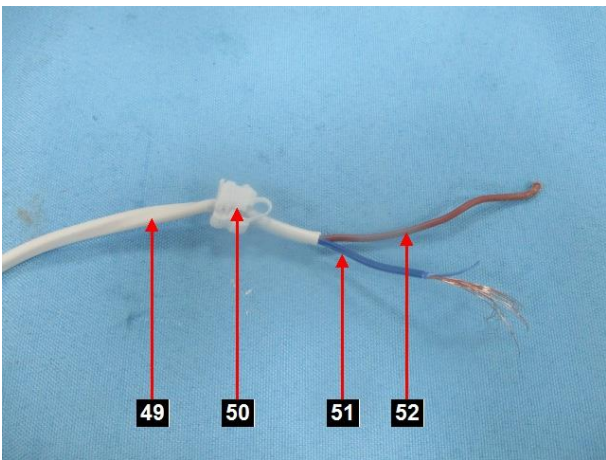
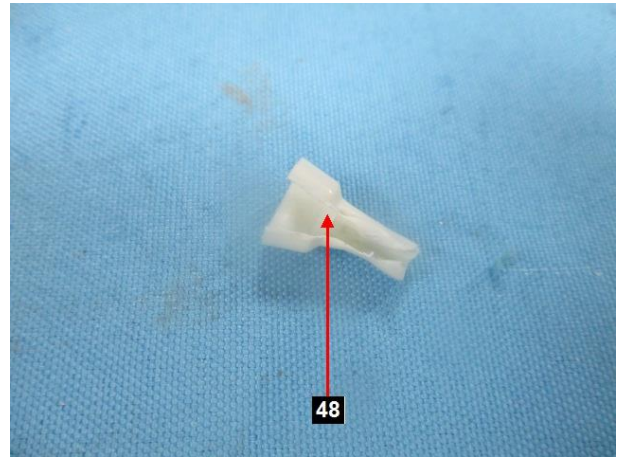
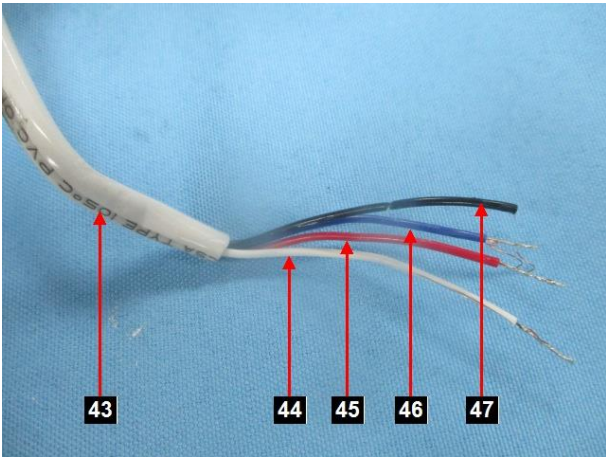


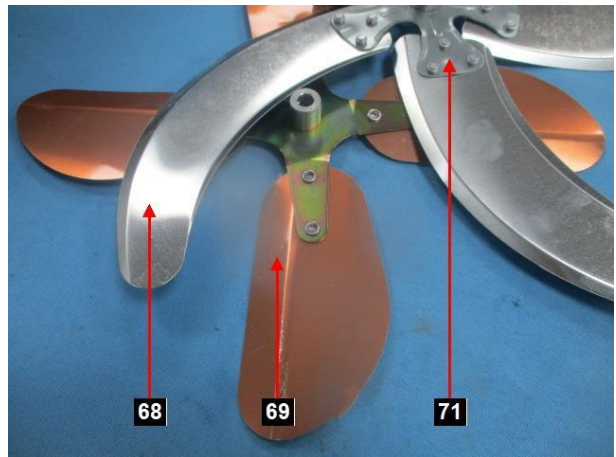
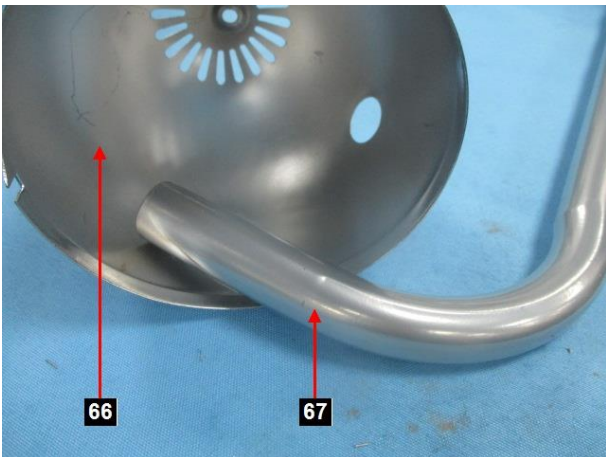
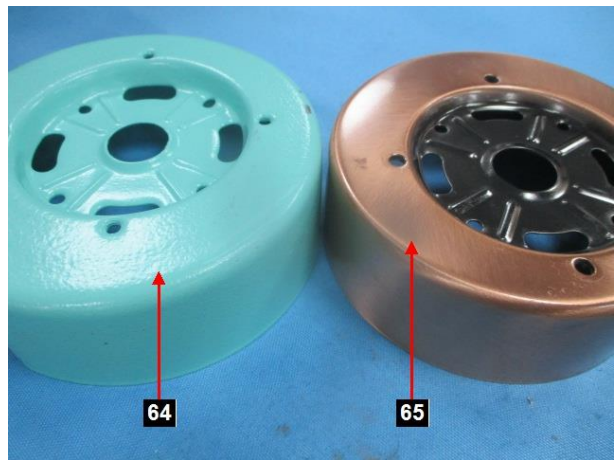
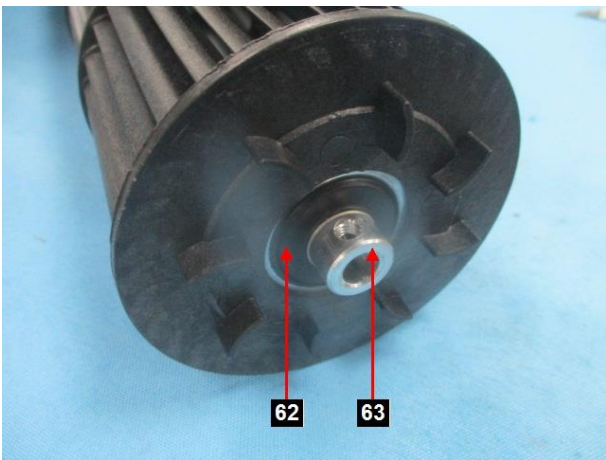
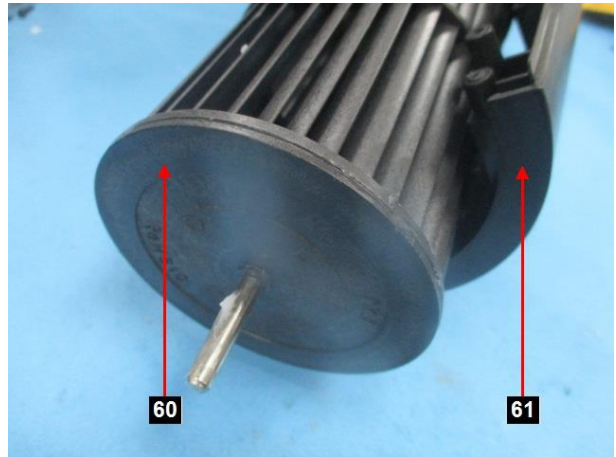
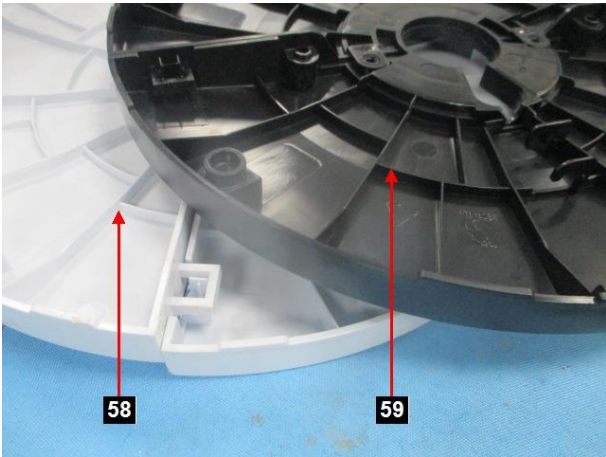


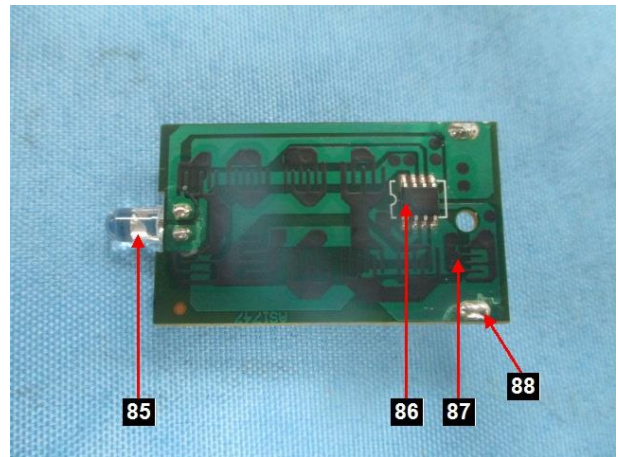
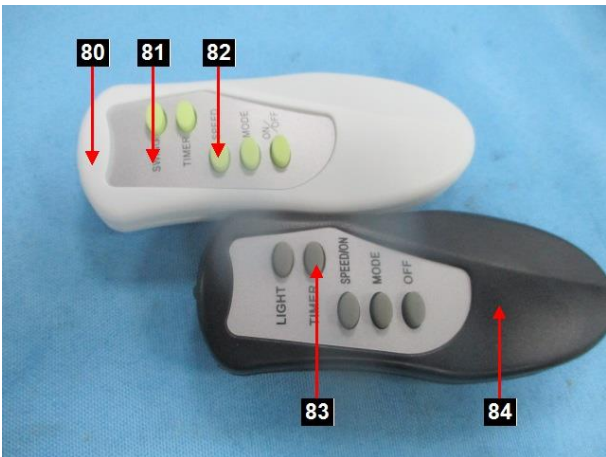
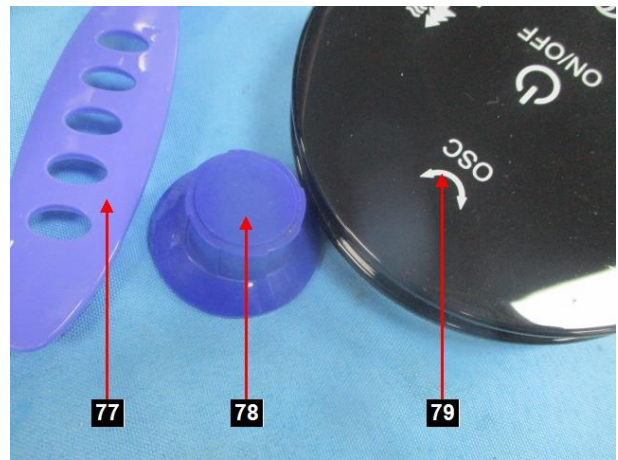
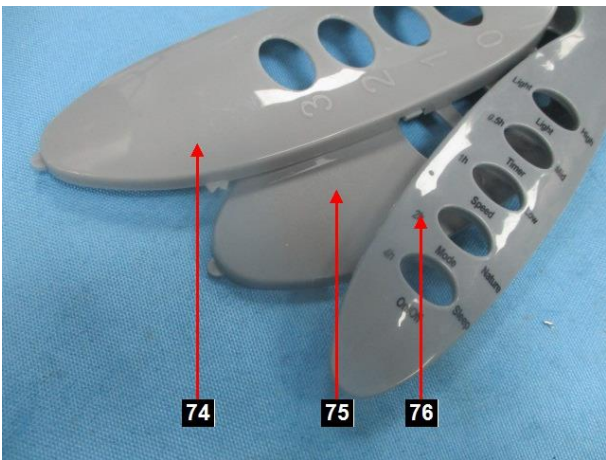
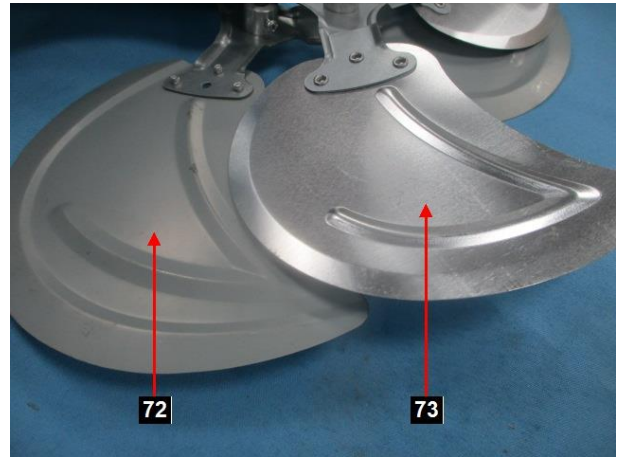
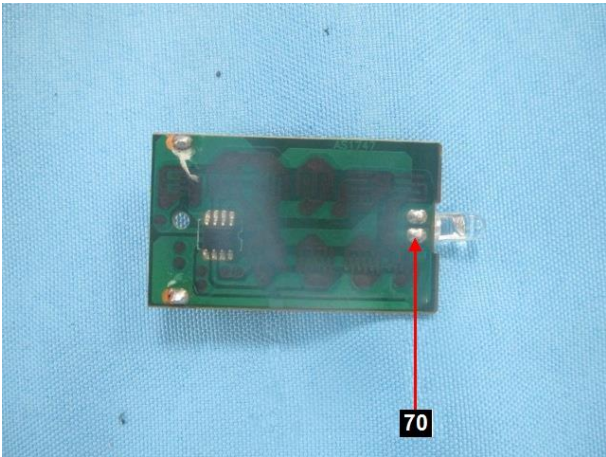


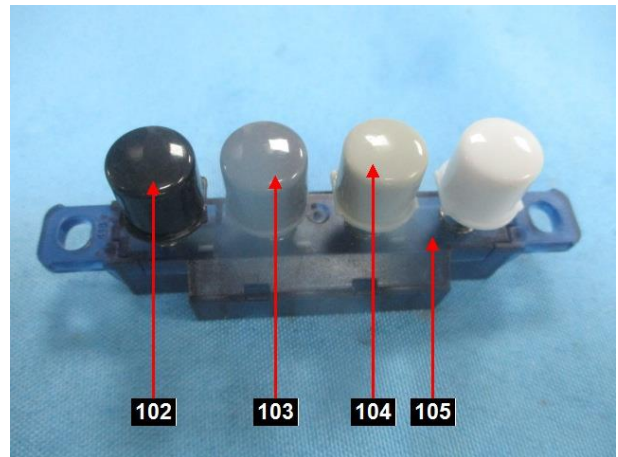
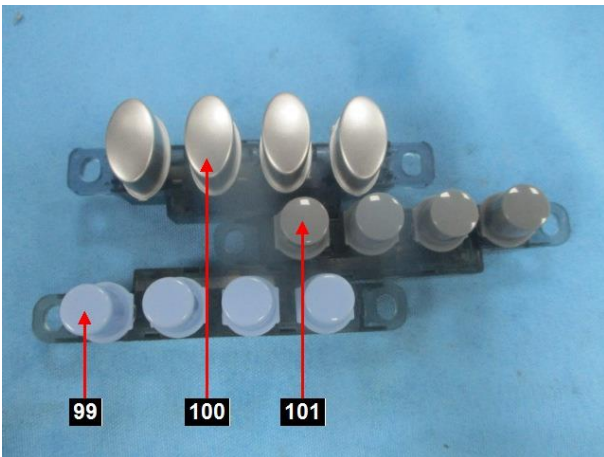
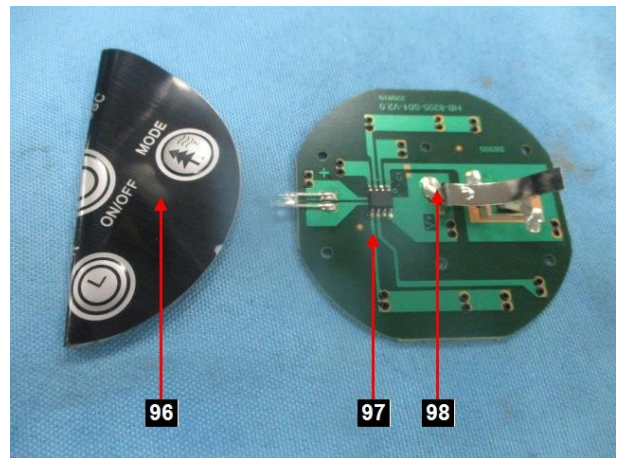
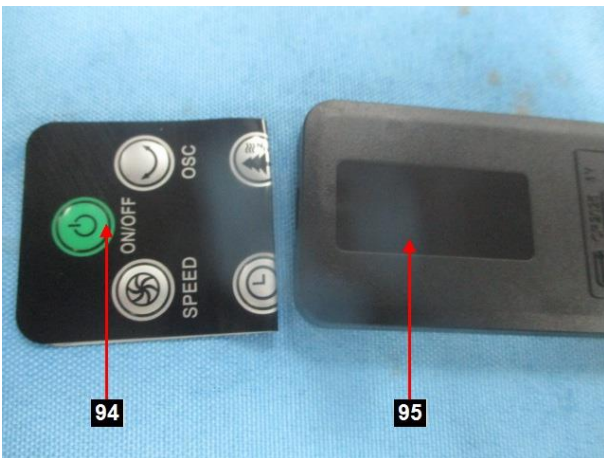
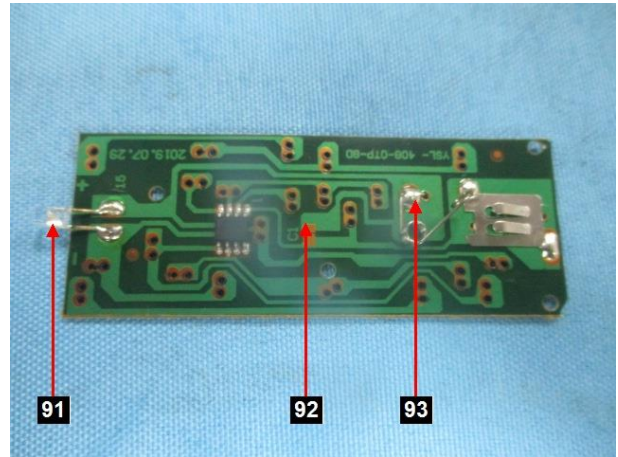
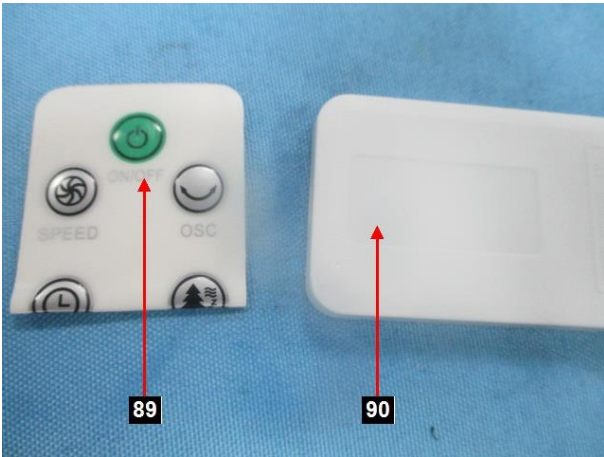


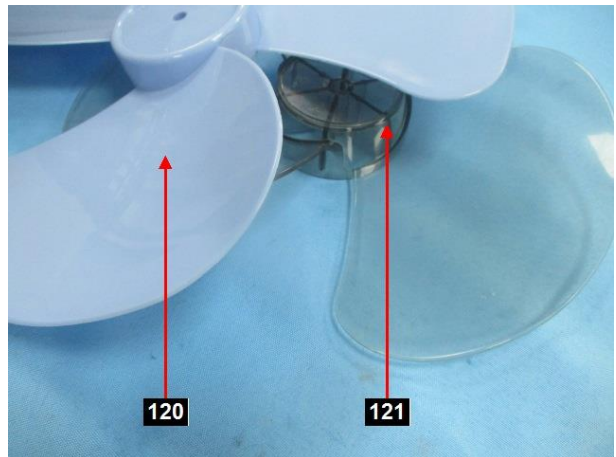
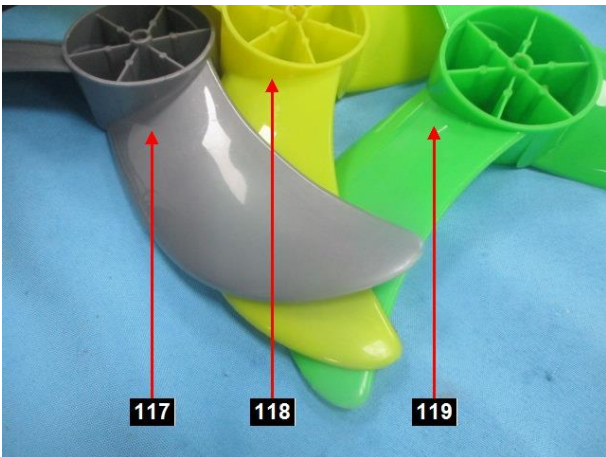
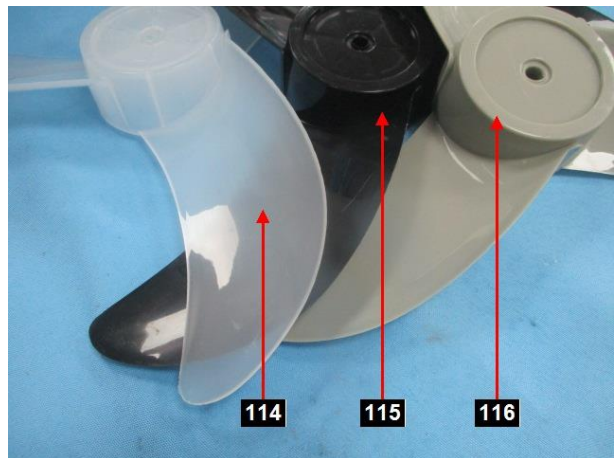
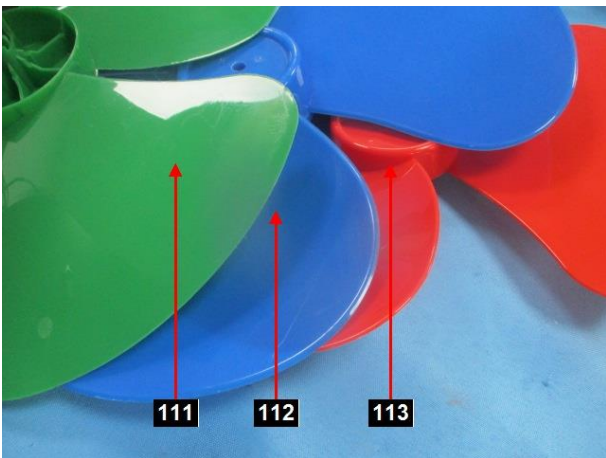
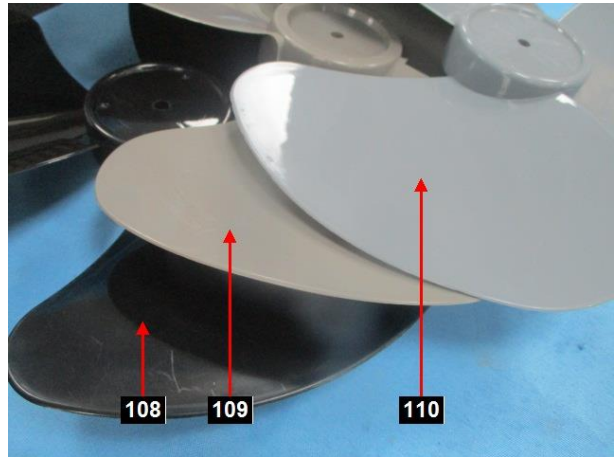
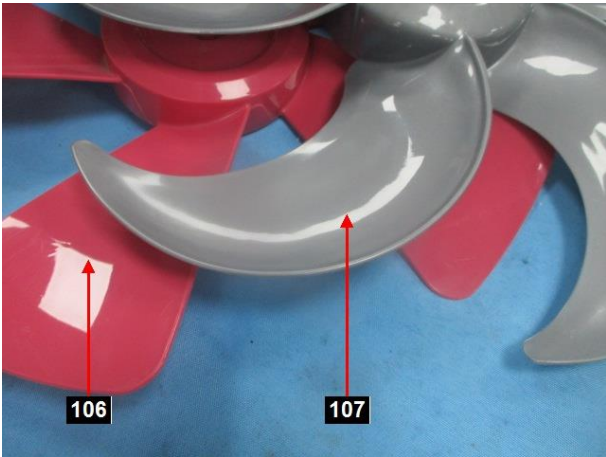


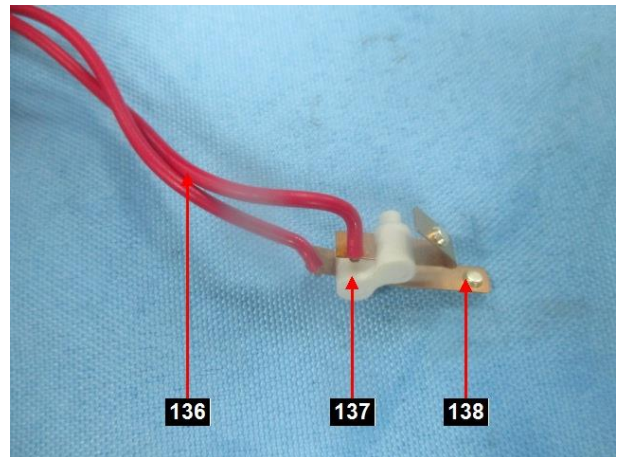
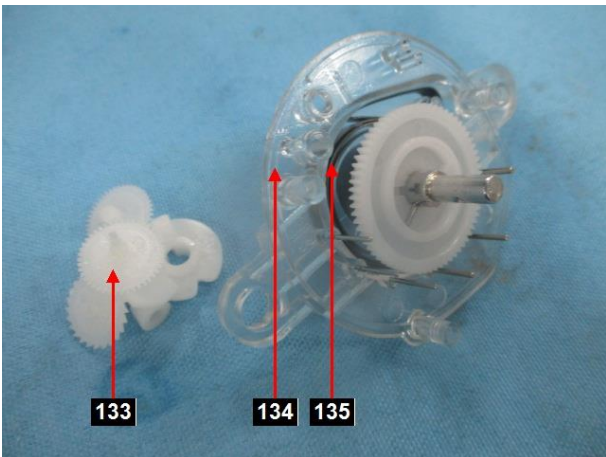
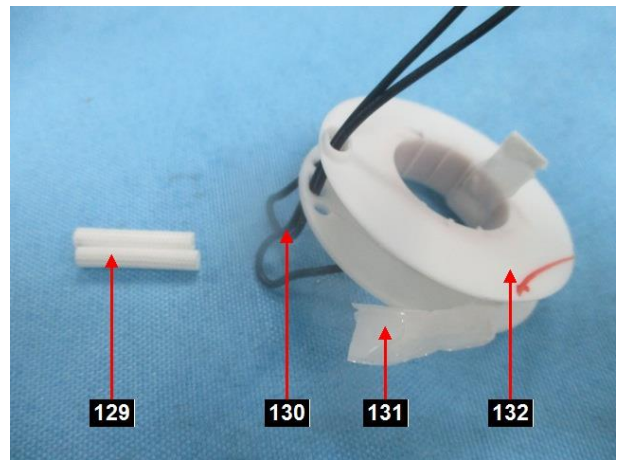
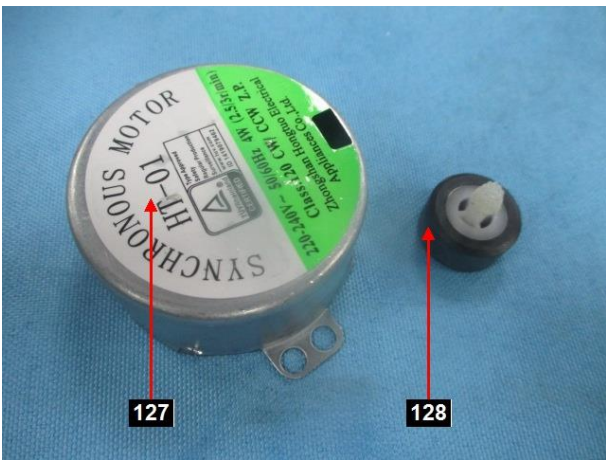
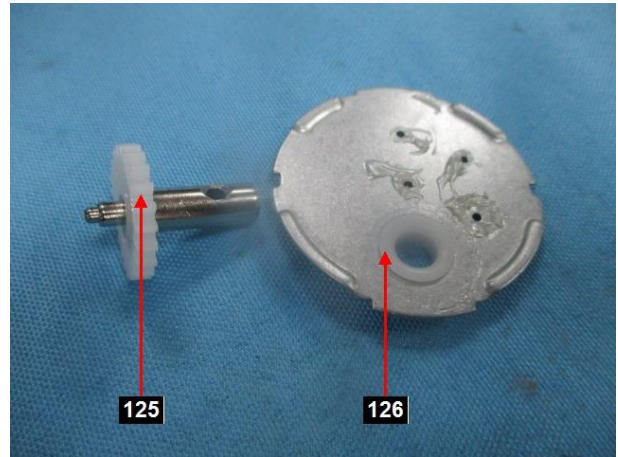
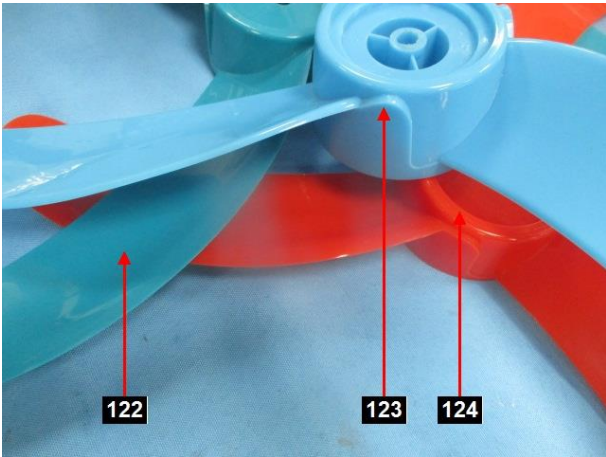


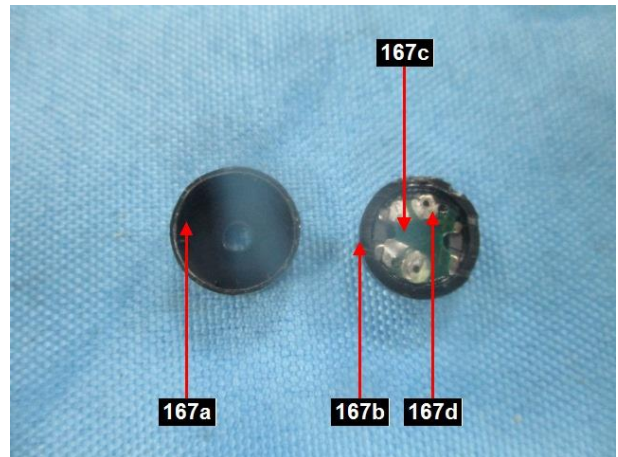
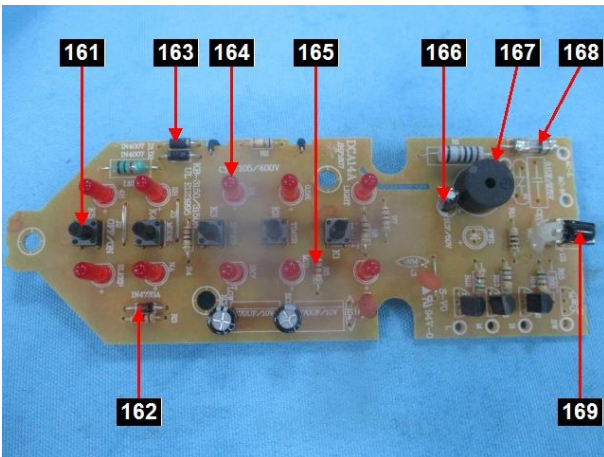
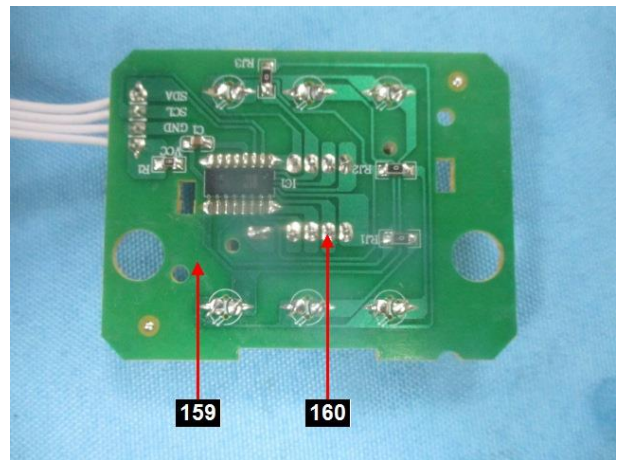
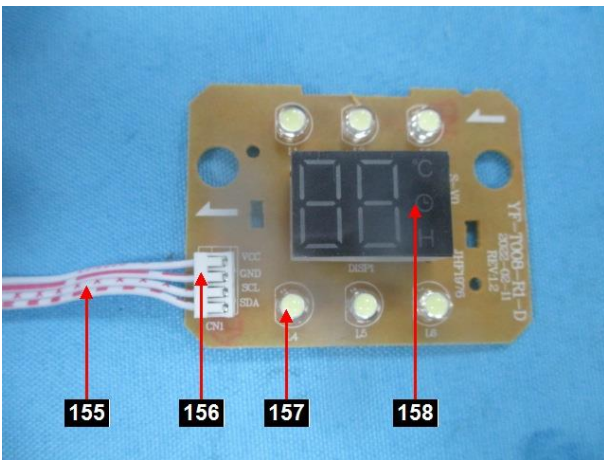
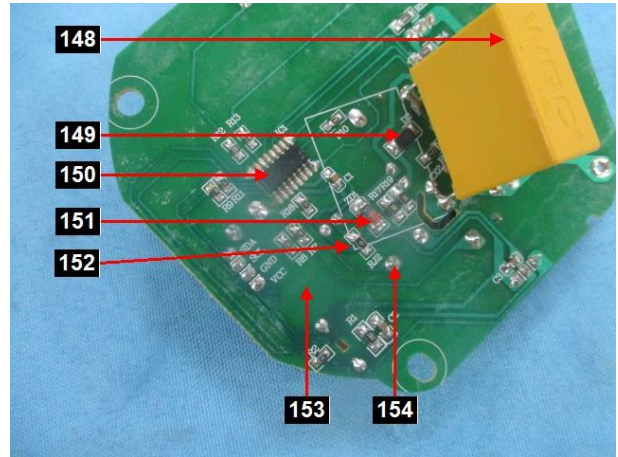
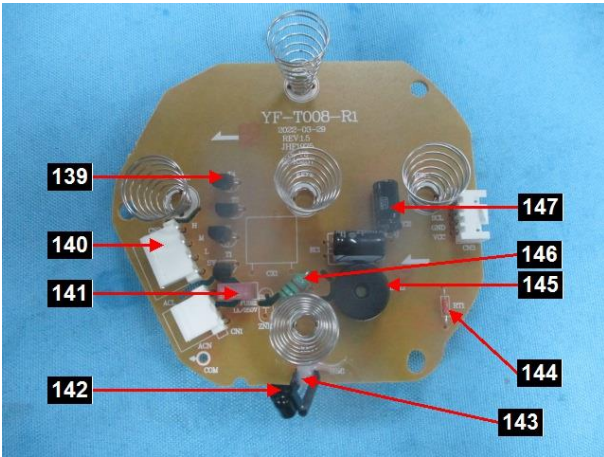


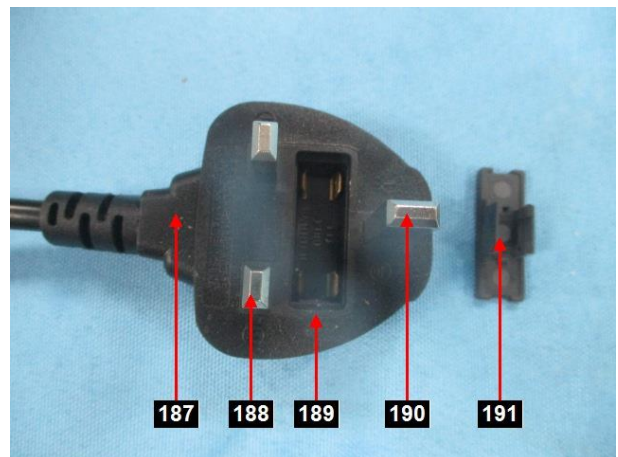
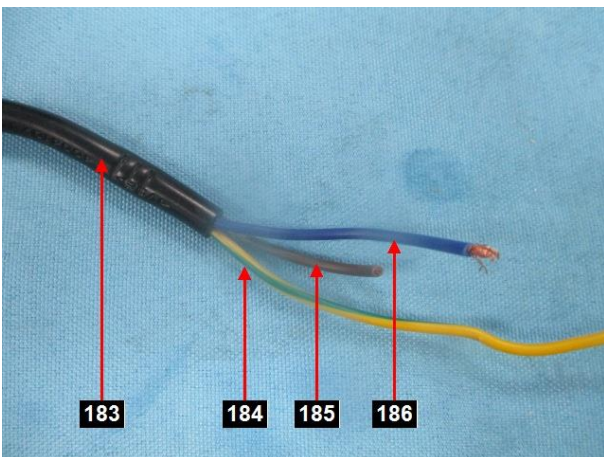
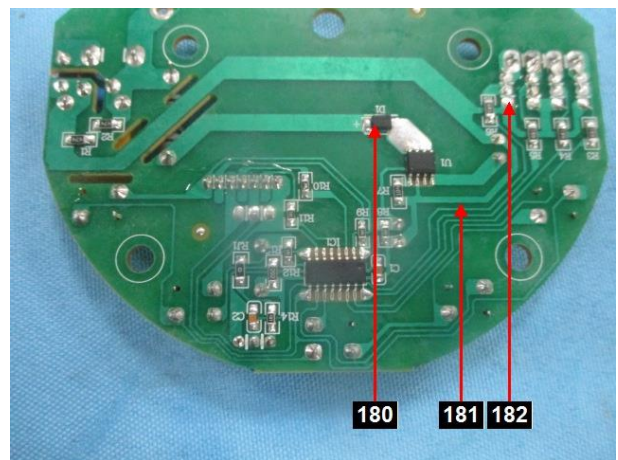
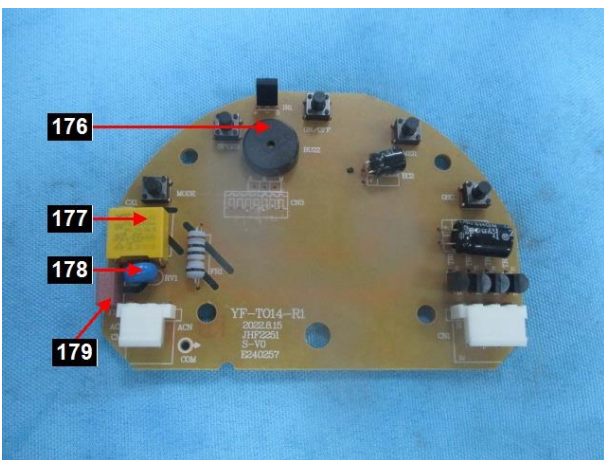
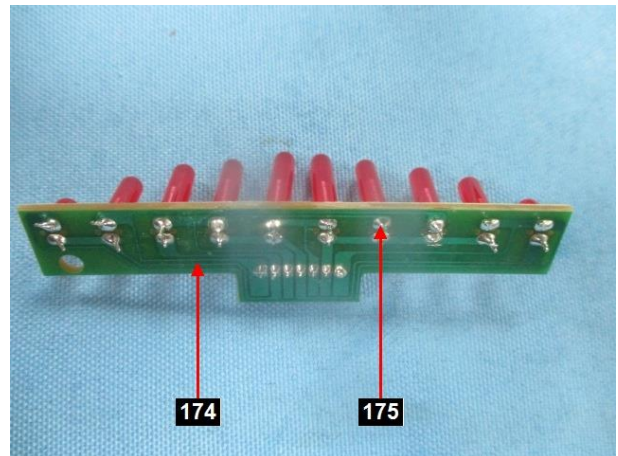
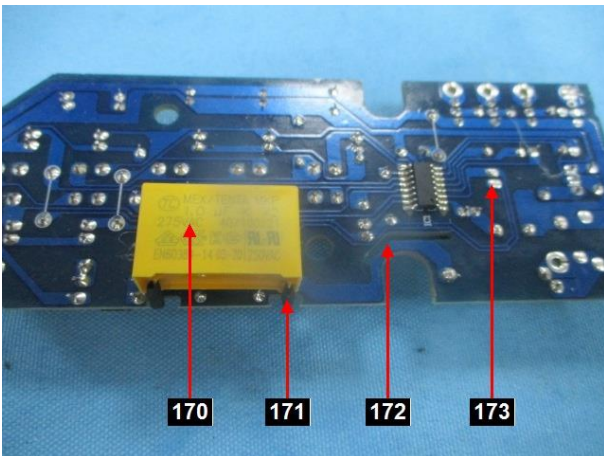


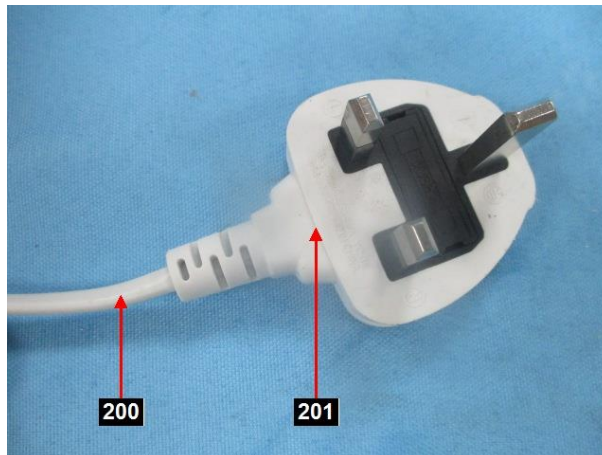
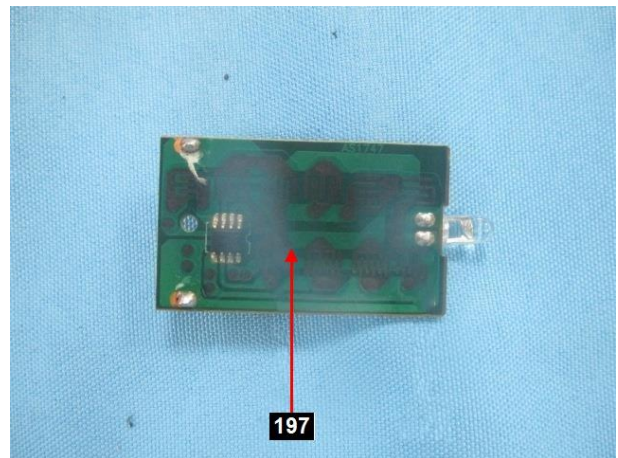
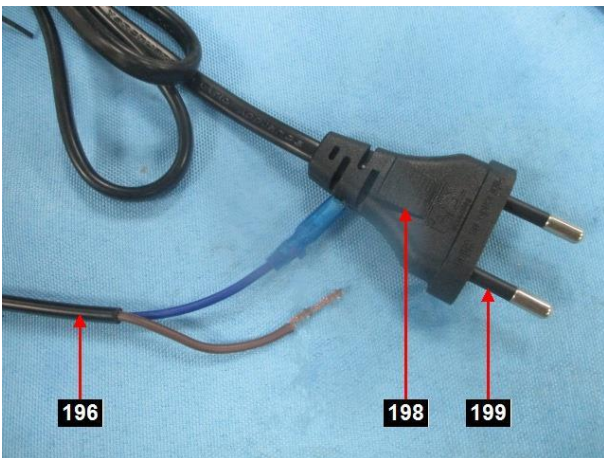
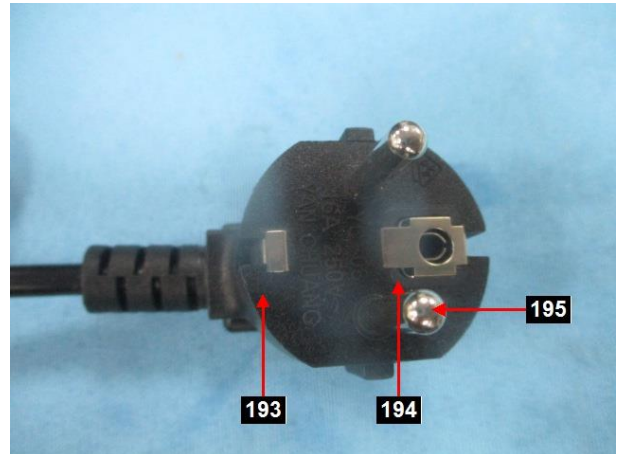
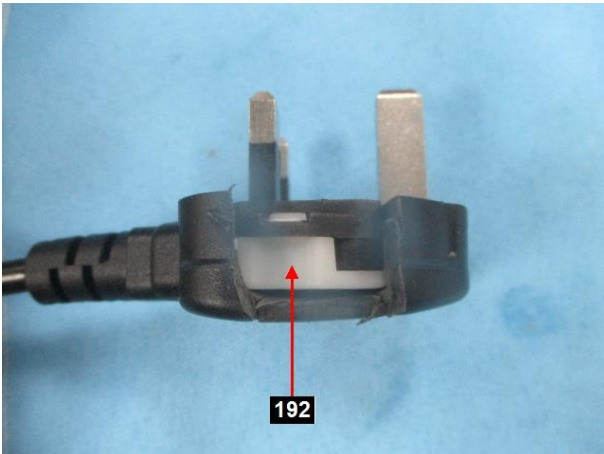












## Appendix

YF-DE1601, FT-40E, YF-DE1602, MTF-161, FT-40, YF-DE1603, YF-DE1604, FT-40B, YF-DE1605, YF-DE1606, YF-DE1201-6, YF-DE1202-6, YF-DE1203-6, MTF-126, YF-DE1204-6, YF-DE1205-6, YF-DE1206-6, YF-DE1201-7, YF-DE1202-7, MTF-12, YF-DE1203-7, YF-DE1204-7, YF-DE1205-7, YF-DE1206-7, YF-DE1601-1, YF-DE1602-1, YF-DE1603-1, YF-DE1604-1, YF-DE1605-1, YF-DE1606-1, YF-DE1201, FT-30E, YF-DE1202, MTF-121, FT-30, YF-DE1203, YF-DE1204, FT-30B, YF-DE1205, YF-DE1206, YF-DE901, FT-23E, YF-DE902, YF-DE601, FT-15, YF-DE602, YF-DE603, YF-DE1601-6, YF-DE1602-6, YF-DE1603-6, MTF-166, YF-DE1604-6, YF-DE1605-6, YF-DE1606-6, YF-DE1601-7, YF-DE1602-7, MTF-165, YF-DE1603-7, MTF-2666, YF-DE1604-7, YF-DE1605-7, YF-DE1606-7, YF-DE1601-5, YF-DE1602-5, YF-DE1603-5, YF-DE1604-5, YF-DE1605-5, YF-DE1606-5, YF-ST1601, FS-40C, YF-ST1602, YF-ST1603, FS-40A, YF-ST1604, FS-40B, YF-ST1605, FS-40, YF-ST1606, YF-ST1607, YF-ST1608, YF-ST1609, YF-ST1610, YF-ST1611, YF-ST1614, YF-ST1616, YF-ST1617, YF-ST1618, YF-ST1619, YF-ST1620, YF-ST1621, YF-ST1622, YF-ST1623, YF-ST1624, YF-ST1625, YF-ST1626, YF-ST1627, FS-40R, YF-ST1628, YF-ST1629, YF-ST1630, YF-ST1631, YF-ST1201-6, YF-ST1202-6, YF-ST1203-6, YF-ST1204-6, YF-ST1205-6, YF-ST1206-6, YF-ST1207-6, YF-ST1208-6, YF-ST1209-6, YF-ST1210-6, YF-ST1211-6, YF-ST1214-6, YF-ST1216-6, YF-ST1217-6, YF-ST1218-6, YF-ST1219-6, YF-ST1220-6, YF-ST1221-6, YF-ST1222-6, YF-ST1223-6, YF-ST1224-6, YF-ST1225-6, YF-ST1226-6, YF-ST1227-6, YF-ST1228-6, YF-ST1229-6, YF-ST1230-6, YF-ST1231-6, YF-ST1201-7, YF-ST1202-7, YF-ST1203-7, YF-ST1204-7, YF-ST1205-7, YF-ST1206-7, YF-ST1207-7, YF-ST1208-7, YF-ST1209-7, YF-ST1210-7, YF-ST1211-7, YF-ST1214-7, YF-ST1216-7, YF-ST1217-7, YF-ST1218-7, YF-ST1219-7, YF-ST1220-7, YF-ST1221-7, YF-ST1222-7, YF-ST1223-7, YF-ST1224-7, YF-ST1225-7, YF-ST1226-7, YF-ST1227-7, YF-ST1228-7, YF-ST1229-7, YF-ST1230-7, YF-ST1231-7, YF-ST1602-6, YF-ST1605-6, YF-ST1606-6, MSF-2666, YF-ST1607-6, YF-ST1609-6, YF-ST1608-6, MSF-1666, YF-ST1619-6, YF-ST1622-6, YF-ST1627-6, YF-ST1628-6, YF-ST1631-6, YF-ST1602-7, YF-ST1605-7, YF-ST1606-7, MSF-1665, YF-ST1607-7, YF-ST1608-7, YF-ST1609-7, YF-ST1619-7, YF-ST1622-7, YF-ST1624-7, YF-ST1627-7, YF-ST1628-7, YF-ST1631-7, YF-ST1602-5, YF-ST1605-5, YF-ST1606-5, YF-ST1607-5, YF-ST1608-5, YF-ST1609-5, YF-ST1619-5, YF-ST1622-5, YF-ST1624-5, YF-ST1627-5, YF-ST1628-5, YF-ST1631-5, YF-ST1201, YF-ST1202, YF-ST1203, YF-ST1204, YF-ST1205, YF-ST1206, YF-ST1207, YF-ST1208, YF-ST1209, YF-ST1210, YF-ST1211, YF-ST1214, YF-ST1216, YF-ST1217, YF-ST1218, YF-ST1219, YF-ST1220, YF-ST1221, YF-ST1222, YF-ST1223, YF-ST1224, YF-ST1225, YF-ST1226, YF-ST1227, YF-ST1228, YF-ST1229, YF-ST1230, YF-ST1231, YF-ST1601-1, YF-ST1602-1, YF-ST1603-1, YF-ST1604-1, YF-ST1605-1, YF-ST1606-1, YF-ST1607-1, YF-ST1608-1, YF-ST1609-1, YF-ST1610-1, YF-ST1611-1, YF-ST1614-1, YF-ST1616-1, YF-ST1617-1, YF-ST1618-1, YF-ST1619-1, YF-ST1620-1, YF-ST1621-1, YF-ST1622-1, YF-ST1623-1, YF-ST1624-1, YF-ST1625-1, YF-ST1626-1, YF-ST1627-1, YF-ST1628-1, YF-ST1629-1, YF-ST1630-1, YF-ST1631-1, YF-TO2901, TF-29C1, YF-TO2902, TF-29C2, YF-TO2903, YF-TO2904, YF-TO2906, YF-TO2907, YF-TO2908, YF-TO2913, YF-TO2914, YF-TO3201, YF-TO3202, YF-TO3203, YF-TO3204, YF-TO3205, YF-TO3206, YF-TO3207, YF-TO3208, YF-TO3213, YF-TO3214; YF-TO3614, YF-TO3601, YF-TO3602, YF-TO3603, YF-TO3606, YF-TO2909, TF-29B, TF-29B1, YF-TO2910, TF-29R, YF-TO2905, YF-TO3209, YF-TO3210, YF-TO3610, YF-TO3605, YF-TO3607, YF-TO4605, YF-TO4607, YF-TO2911, YF-TO2912, YF-TO3211, YF-TO3212, YF-TO3212L, YF-TO3212D, YF-TO3611, YF-TO3612, YF-TO3612L, YF-TO3612D, YF-TO4208RD, YF-TO42HRD, YF-TO4208, YF-TO3608RD, YF-TO36HRD, YF-TO3608, YF-TO4208RL, YF-TO42HRL, YF-TO4218, YF-TO3608RL, YF-TO36HRL, YF-TO3618, YF-TO4208S, YF-TO42HS, YF-TO4208ST, YF-TO42HST, YF-TO4208PT, YF-TO42HPT, YF-TO3608S, YF-TO36HS, YF-TO3608ST, YF-TO36HST, YF-TO3608PT, YF-TO36HPT, YF-BO1001, YF-BO1002, YF-BO1003, YF-BO1004, YF-BO1005, YF-BO1006, YF-BO1201, YF-BO1202, YF-BO1203, YF-BO1204, YF-BO1205, YF-BO1206, YF-BO1207, YF-BO1208, YF-BO1209, YF-BO1401, YF-BO1402, YF-BO1403, YF-BO1404, YF-BO1405, YF-BO1406, YF-BO1601, YF-BO1602, YF-BO1603, YF-BO1604, YF-BO1605, YF-BO1606, YF-BO1201ST, YF-BO1202ST, YF-BO1203ST, YF-BO1204ST, YF-BO1205ST, YF-BO1206ST, YF-BO1207ST, YF-BO1208ST, YF-BO1209ST, YF-BO2011, YF-BO1811, YF-BO1811S, YF-BO1611, YF-BO1611S, YF-BO1411, YF-BO1411S, YF-BO2011, YF-BO2011S, YF-BO2012, YF-BO2011S, YF-BO2012S, YF-BO2011W, YF-BO2011W1, YF-BO2011W2, YF-BO2011W3, YF-BO2011W4, YF-BO2011W5, YF-BO2011W6, YF-BO2011J, YF-BO2011W7, YF-BO2011WYF-BO2011W8, YF-BO2011W9, YF-FL2001, YF-FL1801, YF-FL1601, YF-FL1401, YF-FL1201, YF-AN1001, YF-AN1001-1, YF-AN1001-2, YF-AN1001-3, YF-AN1201, YF-AN1201-1, YF-AN1201-2, YF-AN1201-3, YF-STAN1601, YF-STAN1601-1, YF-STAN1601-2, YF-STAN1601-3, YF-AN1601, YF-AN1601-1, YF-AN1601-2, YF-AN1601-3, YF-IN27N8S1-A507, YF-27E, YF-STAN1601, YF-STAN16S, YF-STAN1601S, YF-STAN1601-1, YF-STAN1601-2, YF-STAN1601-3, YF-



## XRF Screening And Chemical Confirmation Test Report

STAN1601D,YF-STAN1601G,YF-STAN1601P,YF-FL2001,YF-FL20P,YF-FL1201,YF-FL12PYF-FL901,YF-FL9P,YF-RE8S,YF-RE8R8SYF-AN1001,YF-AN1001-1,YF-AN1001-2,YF-AN1001-3,YF-AL8S,YF-AL801,YF-ST1813,YF-ST18YY,YF-ST18B1,YF-ST18B2,YF-ST18B3,YF-ST18B4,YF-ST18CT,YF-ST18T,YF-ST1801,YF-ST1802,YF-ST1803,YF-ST1823,YF-ST18EX,YF-ST18E1,YF-ST18E2,YF-ST18E3,YF-ST18E4,YF-ST18E5,YF-ST1828,YF-ST1829,YF-ST2006 ,YF-18yy,YF-ST18YY,YF-18B,YF-18B1,YF-18B2,YF-18B3,YF-18B4,YF-18CT,YF-18T,YF-18Ex,YF-18E5,YF-18E4,YF-18E3,YF-18E2, YF-18E1, YF-RE8R8S,YF-AL801,YF-BO20M8S-508,YF-BO2012,YF-ST1638,YF-ST1638-1,YF-ST1638-2,YF-ST1638-3,YF-TO4607,YF-TO45D4S,YF-TO45D4RL,YF-TO36D4S,YF-TO36D4RD,YF-TO36D4RL,YF-TO3615,YF-TO42F4S,YF-TO42F4RC,YF-TO45D4RD,YF-TO42F4RCC,YF-TO42F4RL,YF-TO38F4S,YF-TO38F4RC,YF-TO38F4RCC,YF-TO3607,YF-TO38F4RI,YF-TO32F4S,YF-TO32F4RC,YF-TO32F4RCC,YF-TO32F4RI,YF-DA1803,YF-DE1402,YF-DE1403,YF-DE903,YF-DE904,YF-DE905,YF-DE906,YF-DE907,YF-DE908,YF-DE909,YF-DE909,YF-ST1631,YF-ST1832,YF-ST2032,YF-WA1602R,YF-WA1602,YF-WA1601,YF-WA1601-1,YF-WA1601-6,YF-WA1802,YF-WA1802-M,YF-OR1601,YF-OR1801,YF-OR1802,YF-OR1801-6,YF-ST1620-C,YF-ST1612,YF-ST1831,YF-ST2011,YF-ST1811,YF-ST1812,YF-ST1813,YF-ST1814,YF-ST1815,YF-ST1816,YF-ST1817,YF-ST1818,YF-ST1819,YF-ST1841,YF-26E,YF-ST1830,YF-ST1833,YF-ST1834,YF-ST1835,YF-ST1001,YF-BO1003,YF-BO1004,YF-US401,YF-US601,YF-US801,YF-US901,YF-US1001,YF-TO1201,YF-TO1202,YF-TO1203,YF-TO1404,YF-FL901,YF-AN1001,YF-ST1620-C,YF-ST1806,YF-ST1806-6,YF-ST1806-7,YF-ST1613,YF-ST1806-5,YF-ST1807,YF-ST1807-6,YF-ST1807-7,YF-ST1809-6,YF-ST1809-7,YF-DE1401,YF-DE1402,YF-DE1403,YF-DE1404,YF-DE1405,YF-DE1406,YF-DE1407,YF-DE1408,YF-DE1409,YF-DE1401-5,YF-DE1402-5,YF-DE1403-5,YF-DE1404-5,YF-DE1405-5,YF-DE1406-5,YF-DE1407-5,YF-DE1408-5,YF-DE1409-5,YF-WA1801-P,YF-BO2012,YF-BO2013,YF-BO2014,YF-BO2015,YF-BO2016,YF-BO2017,YF-BO2018,YF-BO2019,YF-BO2020,YF-BO2021,YF-BO2022,YF-TO1401,YF-TO1402,YF-TO1403,YF-TO1405,YF-TO1406,YF-TO1407,YF-TO1408,YF-TO1409,YF-ST1601, 800-16013, YF-ST1601P, YF-ST1606, YF-ST1606P, YF-ST1609, YF-ST1813, 800-18011, YF-ST1813A, YF-DE1603, YF-DE1201, 800-00017, YF-BO2011W2, YF-BO2011W1, YF-BO2011J, YF-BO2011S2, YF-ST1606P.2, YF-ST1606P.3, YF-ST1606P.4, YF-WA1606P.5, YF-DE1606P.6, YF-ST1609.2, YF-ST1609.3, YF-ST1609.4, YF-WA1609.5, YF-DE1609.6, AS 6156, PFN1018-3, AS 6155, WSFSE1601BK, WSFSE1601WH, WSFSE1609, DE-18WPSF1047A, DE-18BPSF1047, DE-3F1444W, DE-3F1442B, DFN-1012B, WSFDE1201BK, WSFDE1201WH, DFN-1016B, YF-ST1619, YF-ST1619.2, YF-ST1619.3, YF-ST1619.4, YF-WA1619.5, YF-DE1619.6, YF-ST1619-5, YF-ST1619-5.2, YF-ST1619-5.3, YF-ST1619-5.4, YF-WA1619-5.5, YF-DE1619-5.6, YF-ST1619P-5, YF-ST1619P-5.2, YF-ST1619P-5.3, YF-ST1619P-5.4, YF-WA1619P-5.5, YF-DE1619P-5.6, YF-ST1619P-601, YF-ST1619P-601.2, YF-ST1619P-601.3, YF-ST1619P-601.4, YF-WA1619P-601.5, YF-DE1619P-601.6, AS 6095, PFS1606P,YF-AN1201, WSFDAN1201, WSFDAN1201SV, WSFDAN1201GY, WSFDAN1201GD, WSFDAN1201BK, AS6087, YF-STAN1601, WSFS1601GD, WSFS1601SV, WSFS1601GY, WSFS1601GR, WSFS1601BL, WSFS1601BK, AS6088,YF-ST1807, YF-ST1807-4, YF-ST1807-5, YF-ST1807-6, YF-ST1807-2, YF-WA1602, AS6081, AS6082, KVF1801Z, AS6083, AS6084, AS6086, AS6085, WSFWA1602, 60068, WSFS1807-6, WSFS1807, WSFD1807-4, WSFW1807-5 and WSFW1807-2, YC-605, YF-DE601, YF-DE602, YF-DE603, YF-DE604, YF-DE605, YF-DE606,

YF-xyz, YF-xyza, YF-xyza-b, YF-yz, YF-zy-b  
(Variable x=ST,DE,TO,WA,OR,BO,FL,AN,IN,US,DC,RE,  
y=4,6,8,9,10,12,14,15,16,17,18,20,26,27,29,30,31,32,35,36,38,40,42,45,46,47,50;  
z=A,AT,AS,AP,AR,AR1,B,B1,BT,BS,BP,BR,BR1,C,CT,CS,CP,CR,CR1,D,DT,DS,DP,DR,DR1,E,ET,ES,EP,ER,ER1,E  
X,F,FT,FS,FP,FR,FR1,G,GT,GS,GP,GR,GR1,H,HT,HS,HP,HR,HR1,I,IT,IS,IP,IR,IR1,J,JT,JS,JP,JR,JR1,K,KT,KS,KP,  
KR,KR1,L,LT,LS,LP,LR,LR1,M,MT,MS,MP,MR,MR1,N,NT,NS,NP,NR,NR1,O,OT,OS,OP,OR,OR1,P,Q,R,S,T,TT,TS,T  
P,TR,TR1,U,UT,US,UP,UR,UR1,V,VT,VS,VP,VR,VR1,W,WT,WS,WP,WR,WR1,TP,TS,BT,RL,RL1,RLC,RLC1,RD,RD  
1,RDC,RDC1,RC,RC1,01...99,01-1...99-99;  
a= P,S,K,T,TP,TS,B,BT,RL,RL1,RLC,RLC1,RD,RD1,RDC,RDC1,  
RC,RC1,L,  
b=4,5,6,7,8,9,401,402,403,404,405,406,407,408,409,501,502,503,504,505,506,507,508,509,601,602,603,604,605,  
606,607,608,609,701,702,703,704,705,706,707,708,709)  
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End of report

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