

## XRF Screening And Chemical Confirmation Test Report

Applicant: Shenzhen SOFARSOLAR Co., Ltd.

401, Building 4, An Tong Da Industrial Park, District 68,  
Xing Dong Community, Xin An Street, Bao An District,  
Shenzhen, China.

### Sample Description:

The following submitted sample(s) said to be:

Item Name : **Solar Grid-tied Inverter**  
Model No. : SOFAR 3300TL-G3  
Reference No. : SOFAR 1100TL-G3, SOFAR 1600TL-G3, SOFAR 2200TL-G3,  
SOFAR 3300TL-G3, SOFAR 3000TL-G3, SOFAR 3300TL-G3  
Date of Sample Received : Nov 24, 2020 & Dec 23, 2020 & Jan 26, 2021  
Testing Period : Nov 24, 2020 to Dec 21, 2020 & Dec 23, 2020 to Dec 28, 2020 &  
Jan 26, 2021 to Feb 2, 2021

### 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:



Hay Zhao  
Engineer



Reviewed by:



Silva Zhou  
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	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
2a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
2b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
3	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
4	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
5	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
6	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
7	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
8	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
9	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
10	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
11	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
12	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
13	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
14	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
15	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
16	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
17	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
18	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
19	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
20	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
21	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
22	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
23	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
24	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
25	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
26	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
27	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
28	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
29	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
30	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
31	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
32	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
33	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			





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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
34	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
35	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
36	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
37	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
38	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
39	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
40	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
41	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
42	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
43	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
44	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
45	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
46	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
47	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
48	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
49	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
50	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
51	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
52	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
53	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



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



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
59	Cd	ND	NA	PBBs : NDPBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
60	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
61	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
62	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
63a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
63b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
64	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
65	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
66	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
67	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
68	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
69a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
69b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
69c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
70a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			





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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
70b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
71a	Cd	ND	NA	PBBs : ND PBDEs : See appendix
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
71b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
71c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
71d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
71e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
72a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
72b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
72c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
72d	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
72e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
72f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
72g	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
72h	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			
73a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
73b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
73c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
73d	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	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
75	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
76	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
77	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
78	Cd	ND	NA	NT
	Pb	>1500mg/kg#2		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
79a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
79b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	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
79c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
79d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
79e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
79f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
79g	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
80	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
81	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
82a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
82b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
83	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
84	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
85	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
86	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
87	Cd	ND	NA	Cr <sup>6+</sup> : ND
	Pb	>1500mg/kg <sup>#1</sup>		
	Hg	ND		
	Cr	Inconclusive		
	Br	ND		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
88	Cd	ND	NA	Cr <sup>6+</sup> : ND
	Pb	>1500mg/kg <sup>#1</sup>		
	Hg	ND		
	Cr	Inconclusive		
	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
89	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
90	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
91	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
92	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
93	Cd	ND	NA	NT
	Pb	>1500mg/kg#2		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
94	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
95	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
96	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
97	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	>1500mg/kg#2		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
98	Cd	ND	NA	Cr <sup>6+</sup> : ND
	Pb	>1500mg/kg#1		
	Hg	ND		
	Cr	Inconclusive		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
99	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
100	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
101a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
101b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
101c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
101d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
101e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
101f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
101g	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
101h	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
101i	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
101j	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
101k	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
102	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
103	Cd	ND	NA	PBBs : ND PBDEs : See appendix
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
104	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
105	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
106a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
106b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
106c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
107a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
107b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
107c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
107d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
107e	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	
107f	Cd	ND	NA	PBBs : NDPBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
107g	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
107h	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
107i	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
107j	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive			
	DEHP	NA	NA	NT	
	BBP				
	DBP				
DIBP					





**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
108a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
108b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
109a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
109b	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
109c	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
109d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
109e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
110a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
110b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
110c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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
110d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
110e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
110f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
111a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
111b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
111c	Cd	ND	NA	PBBs : ND PBDEs : See appendix
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
112a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
112b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
112c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
112d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	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
113a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
113b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
113c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
113d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
113e	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
113f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
113g	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
113h	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
114a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
114b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
114c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
115a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
115b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
115c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
116a	Cd	ND	NA	NT
	Pb	>1500mg/kg <sup>#1</sup>		
	Hg	ND		
	Cr	Detected		
	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
116b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
117	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
118a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
118b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
119	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
120a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
120b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
120c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
120d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
120e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
121a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
121b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
121c	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
122a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
122b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
122c	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NT	ND	
	BBP			ND	
	DBP			ND	
DIBP	ND				
123	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	BL	NT	
	BBP				BL
	DBP				BL
DIBP	BL				
124	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	BL	NT	
	BBP				BL
	DBP				BL
DIBP	BL				
125	Cd	ND	NA	Cr <sup>6+</sup> : ND	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	ND			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
126	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	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
127	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
128	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
129	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			
130	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
131	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
132	Cd	ND	NA	Cr <sup>6+</sup> : ND	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	ND	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
133	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
134	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
135	Cd	ND	NA	Cr <sup>6+</sup> : ND	
	Pb	Detected			
	Hg	ND			
	Cr	Inconclusive			
	Br	ND	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
136	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
137	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
138	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
139	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
140	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
141	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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	
142	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
143	Cd	ND	NA	NT	
	Pb	>1500mg/kg#2			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
144	Cd	ND	NA	Cr <sup>6+</sup> : ND	
	Pb	>1500mg/kg#1			
	Hg	ND			
	Cr	Inconclusive			
	Br	ND	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
145	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
146	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
147	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
148	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
149	Cd	ND	NA	NT
	Pb	>1500mg/kg#2		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
150	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
151a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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
151b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
152	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
153a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
153b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
154	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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
155	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
156	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
157a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
157b	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
157c	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	
157d	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
157e	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
158	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
159a	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
159b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
159c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
159d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
159e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
159f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
159g	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
160	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
161	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
162a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
162b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
163	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			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
164	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
165	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
166	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
167	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
168	Cd	ND	NA	NT
	Pb	ND		
	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
169	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
170	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
171	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
172	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
173	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	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	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
175	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
176	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
177	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
178	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
179	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
180	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
181	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
182	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
183	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			



**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	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
185	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
186	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
187	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
188	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	
189	Cd	ND	NA	Cr <sup>6+</sup> : Negative	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	NT	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
190	Cd	ND	NA	Cr <sup>6+</sup> : Negative	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	NT	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
191	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP			BL		
192	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP			BL		
193	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP			BL		



**XRF Screening And Chemical Confirmation Test Report**

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



**XRF Screening And Chemical Confirmation Test Report**

**Appendix:**

Testing Item	Result		
	71a	103	111c
Polybrominated Biphenyls (PBBs)(mg/kg)			
Monobromobiphenyl (MonoBB)	ND	ND	ND
Dibromobiphenyl (DiBB)	ND	ND	ND
Tribromobiphenyl (TriBB)	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND	ND
Polybrominated Diphenyl Ethers (PBDEs)(mg/kg)			
Monobromodiphenyl Ether (MonoBDE)	ND	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	ND
Decabromodiphenyl Ether (DecaBDE)	15	8	9

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).

**Remark:**

(#1) = As claimed by the declaration submitted from the supplier of 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 the RoHS recast directive 2011/65/EU, Lead in this component can be exempted.

(#2) = As claimed by the declaration submitted from the supplier of 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), 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	$P \leq 250 < X$

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)	$BL \leq 600 < X$
Butyl benzyl phthalate (BBP)	$BL \leq 600 < X$
Dibutyl phthalate (DBP)	$BL \leq 600 < X$
Diisobutyl phthalate (DIBP)	$BL \leq 600 < X$

#### (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.



**XRF Screening And Chemical Confirmation Test Report**

(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	2 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion and determined by ICP - OES	2 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 Edition 1.1: 2017, by acid digestion and determined by ICP - OES	2 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) & 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	5 mg/kg
Phthalates (DEHP, BBP, DBP, DIBP) Content	With reference to IEC 62321-8 Edition 1.0: 2017, by solvent extraction and determined by GC/MS	100mg/kg

(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.



## XRF Screening And Chemical Confirmation Test Report

Screened components:

- (1) White coating on metal
- (2) A~b
- (2a) Black printing on plastic
- (2b) Transparent plastic excluding coating
- (3) Black soft plastic
- (4) Silvery plastic label with black printing
- (5) Black plastic
- (6) Black soft plastic
- (7) Black plastic
- (8) Black plastic
- (9) Black plastic
- (10) Black soft plastic
- (11) Black soft plastic
- (12) Blue plastic
- (13) Black plastic with white printing
- (14) White soft plastic
- (15) Black plastic
- (16) Blue plastic
- (17) Black plastic
- (18) White plastic with black printing
- (19) Black plastic
- (20) Black plastic
- (21) Silver metal wire
- (22) White plastic
- (23) Red plastic
- (24) Black plastic
- (25) Black plastic
- (26) Yellow/green plastic (wire covering)
- (27) Black plastic
- (28) Blue plastic
- (29) Brown plastic
- (30) Transparent plastic
- (31) White plastic
- (32) Black foam
- (33) Yellow plastic
- (34) Black soft plastic
- (35) Silvery metal
- (36) Grey plastic
- (37) Black plastic
- (38) Silvery metal
- (39) Copper color metal
- (40) Beige plastic





## XRF Screening And Chemical Confirmation Test Report

- (41) Silvery metal
- (42) Silvery metal
- (43) Silvery metal
- (44) Black plastic with white printing
- (45) White plastic
- (46) Green coating on magnet
- (47) Black magnet excluding coating
- (48) Silvery metal
- (49) Black plastic
- (50) Black plastic with white printing
- (51) Black plastic (wire covering)
- (52) White plastic (wire covering)
- (53) Blue plastic (wire covering)
- (54) Yellow plastic (wire covering)
- (55) Red plastic (wire covering)
- (56) White plastic with black printing
- (57) Grey plastic with purple printing
- (58) Grey plastic
- (59) White/grey plastic
- (60) Silvery metal wire
- (61) Black plastic with white printing
- (62) White plastic
- (63) Capacitor
- (63a) Blue body
- (63b) Silvery metal (pin)
- (64) White plastic
- (65) Black plastic (wire covering)
- (66) Red plastic (wire covering)
- (67) Solder
- (68) Green PCB
- (69) LED
- (69a) Red plastic
- (69b) White plastic
- (69c) Silvery metal
- (70) LED
- (70a) Green plastic
- (70b) Silvery metal
- (71) Switch
- (71a) Black plastic
- (71b) Silvery metal
- (71c) Silvery/copper color metal
- (71d) Black plastic
- (71e) Silvery metal
- (72) Buzzer



## XRF Screening And Chemical Confirmation Test Report

- (72a) Black plastic
- (72b) Silvery metal with red printing
- (72c) Black magnet
- (72d) Silvery metal
- (72e) Copper color metal wire
- (72f) Black glue
- (72g) Solder
- (72h) Green PCB
- (73) A~d
- (73a) Brown plastic with black printing
- (73b) Silvery metal
- (73c) White plastic
- (73d) Silvery metal
- (74) Black body with silvery metal (SMD IC)
- (75) Black body with silvery metal (SMD IC)
- (76) Black body with silvery metal
- (77) Black body with silvery metal
- (78) Black body with brown printing & silvery metal
- (79) Capacitor
- (79a) Dull brown plastic with white printing
- (79b) Silvery metal
- (79c) Beige paper
- (79d) Dull silver-grey metal sheet
- (79e) Bright silver-grey metal sheet
- (79f) Black soft plastic
- (79g) Silvery metal
- (80) White ceramic with black material & white printing & silvery metal
- (81) Green plastic
- (82) Inductor
- (82a) Black magnet
- (82b) Copper color metal wire
- (83) Black plastic
- (84) White plastic
- (85) Black plastic with beige printing & silvery metal (SMD triode)
- (86) Silvery metal & quartz & brown material (SMD crystal)
- (87) White ceramic with black material & white printing & silvery metal (SMD resistor)
- (88) White ceramic with black material & white printing & silvery metal
- (89) Brown ceramic with silvery metal
- (90) Black body with silvery metal (SMD IC)
- (91) White ceramic with silvery metal
- (92) Transparent plastic & white fiberboard with yellow coating & silvery metal (SMD LED)
- (93) Black body with brown printing & silvery metal (SMD diode)
- (94) Black body with silvery metal (SMD IC)
- (95) Black body with silvery metal (SMD IC)



## XRF Screening And Chemical Confirmation Test Report

- (96) Black ceramic with silvery metal
- (97) Black body with brown printing & silvery metal
- (98) Black body with silvery metal (SMD IC)
- (99) Solder
- (100) Green PCB
- (101) Screen
- (101a) Brown FPC
- (101b) Black treated metal
- (101c) Transparent plastic
- (101d) White plastic
- (101e) Semi-transparent white plastic
- (101f) Transparent plastic & white fiberboard with yellow coating & silvery metal
- (101g) White PCB
- (101h) Transparent black printing
- (101i) Transparent glass
- (101j) Silvery plastic
- (101k) Black glue
- (102) White plastic
- (103) Black plastic
- (104) Solder
- (105) Green PCB
- (106) Capacitor
- (106a) Grey plastic with grey printing
- (106b) Transparent/silvery electrolytic paper
- (106) Bright black plastic
- (107) Relay
- (107a) Black plastic with white printing
- (107b) Silvery metal
- (107c) Copper color metal wire
- (107d) Silvery metal
- (107e) Copper color metal
- (107f) Black plastic
- (107g) Silvery/copper color metal
- (107h) Copper color metal
- (107i) Silvery/copper color metal
- (107j) Black plastic
- (108) Capacitor
- (108a) Blue body
- (108b) Silvery metal
- (109) A~e
- (109a) Blue plastic
- (109b) Silvery metal with black coating
- (109c) Copper color metal wire
- (109d) Green coating on magnet



## XRF Screening And Chemical Confirmation Test Report

- (109e) Silvery magnet excluding coating
- (110) Inductor
- (110a) Yellow plastic
- (110b) Green coating on magnet
- (110c) Black magnet excluding coating
- (110d) Copper color metal wire
- (110e) Black material
- (110f) Light green fiberboard
- (111) Capacitor
- (111a) Black plastic
- (111b) Transparent/silvery electrolytic paper
- (111c) Bright black plastic
- (112) A~d
- (112a) Black plastic with white printing
- (112b) Silvery metal
- (112c) White ceramic
- (112d) Silvery metal
- (113) Capacitor
- (113a) Brown plastic with white printing
- (113b) Silvery metal (case)
- (113c) Beige paper (electrolytic paper)
- (113d) Dull silver-grey metal sheet (electrolytic paper)
- (113e) Bright silver-grey metal sheet (electrolytic paper)
- (113f) Black soft plastic
- (113g) Silvery metal (pin)
- (113h) Brown fiberboard
- (114) Capacitor
- (114a) Grey plastic with grey printing
- (114b) Transparent/silvery electrolytic paper
- (114c) Bright black plastic
- (115) Capacitor
- (115a) White plastic with grey printing
- (115b) Transparent/silvery electrolytic paper
- (115c) Bright black plastic
- (116) Resistor
- (116a) Pink body with multicolor printing
- (116b) Silvery metal(pin)
- (117) White body with silvery metal
- (118) Capacitor
- (118a) Dull blue body
- (118b) Silvery metal (pin)
- (119) White glue
- (120) Relay
- (120a) White plastic with black printing



## XRF Screening And Chemical Confirmation Test Report

- (120b) Copper color metal
- (120c) Silvery metal
- (120d) Copper color metal wire
- (120e) White/black plastic
- (121) Capacitor
- (121a) Blue plastic with grey printing
- (121b) Transparent/silvery electrolytic paper
- (121c) Bright blue plastic
- (122) A~c
- (122a) Blue plastic with grey printing
- (122b) Beige plastic
- (122c) Red/brown plastic
- (123) Black plastic with beige printing & silvery metal
- (124) Black body with silvery metal
- (125) White ceramic with black material & white printing & silvery metal
- (126) Brown ceramic with silvery metal
- (127) Black body with brown printing & silvery metal
- (128) Black body with silvery metal
- (129) Black plastic
- (130) Solder
- (131) Green PCB
- (132) White ceramic with black material & white printing & silvery metal
- (133) Black body with silvery metal
- (134) Brown ceramic with silvery metal
- (135) White ceramic with black material & white printing & silvery metal
- (136) White ceramic with silvery metal
- (137) Solder
- (138) Green PCB
- (139) Black plastic
- (140) Yellow plastic
- (141) White ceramic with silvery metal (SMD capacitor)
- (142) Black body with silvery metal (SMD IC)
- (143) Black body with brown printing & silvery metal (SMD diode)
- (144) White ceramic with black material & white printing & silvery metal
- (145) Black plastic
- (146) Black body with brown printing & silvery metal
- (147) Black body with silvery metal (SMD IC)
- (148) Dull brown ceramic with silvery metal
- (149) Black body with silvery metal
- (150) White ceramic with black material & white printing & silvery metal
- (151) Inductor
- (151a) Black magnet
- (151b) Copper color metal wire
- (152) Black body with silvery metal (SMD IC)



## XRF Screening And Chemical Confirmation Test Report

- (153) Diode
- (153a) Black body
- (153b) Silvery metal
- (154) White ceramic
- (155) Solder
- (156) Green PCB
- (157) Switch
- (157a) Red plastic
- (157b) White plastic
- (157c) Silvery metal
- (157d) Black plastic
- (157e) Copper color metal
- (158) Black body with silvery metal (SMD IC)
- (159) Capacitor
- (159a) Silvery metal with black printing (case)
- (159b) Grey-white paper (electrolytic paper)
- (159c) Silver-grey metal sheet (electrolytic paper)
- (159d) Dull silver-grey metal sheet (electrolytic paper)
- (159e) Black plastic
- (159f) Black soft plastic
- (159g) Silvery metal (pin)
- (160) Black ceramic with silvery metal
- (161) Black body with silvery metal
- (162) A~b
- (162a) Black body
- (162b) Silvery metal
- (163) Black plastic
- (164) Black body with silvery metal (SMD IC)
- (165) Transparent plastic & white fiberboard with yellow coating & silvery metal (SMD LED)
- (166) Black body with brown printing & silvery metal (SMD diode)
- (167) Black body with silvery metal (SMD IC)
- (168) Silvery metal & quartz & brown material (SMD crystal)
- (169) Black body with silvery metal (SMD IC)
- (170) Solder
- (171) Green PCB
- (172) Brown plastic
- (173) Silvery metal
- (174) Black soft plastic
- (175) Yellow plastic with black printing
- (176) Black plastic
- (177) Black fiberglass
- (178) Copper color metal wire
- (179) Black coating on metal
- (180) Black magnet excluding coating



## XRF Screening And Chemical Confirmation Test Report

- (181) Black plastic
- (182) Black plastic whit red printing
- (183) Black glue
- (184) Black plastic
- (185) Silvery metal
- (186) White/beige plastic
- (187) Black plastic
- (188) Silvery metal
- (189) Silvery metal
- (190) Silvery metal
- (191) Green plastic
- (192) Black soft plastic
- (193) Black plastic
- (194) Black soft plastic
- (195) Black plastic
- (196) Black plastic



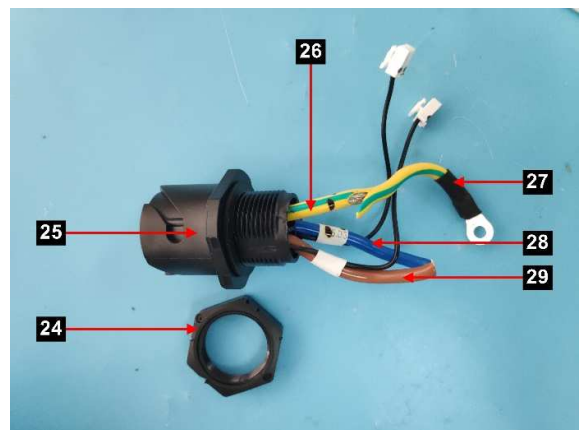
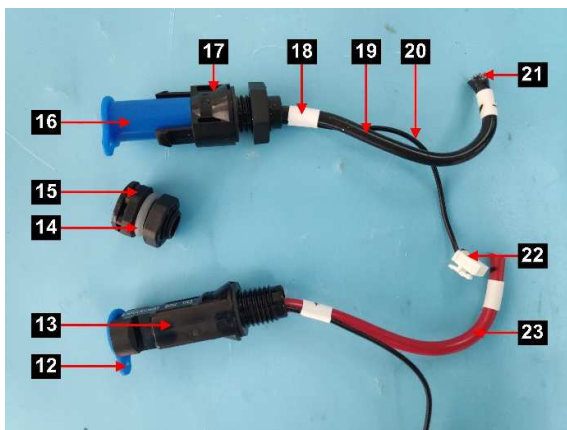
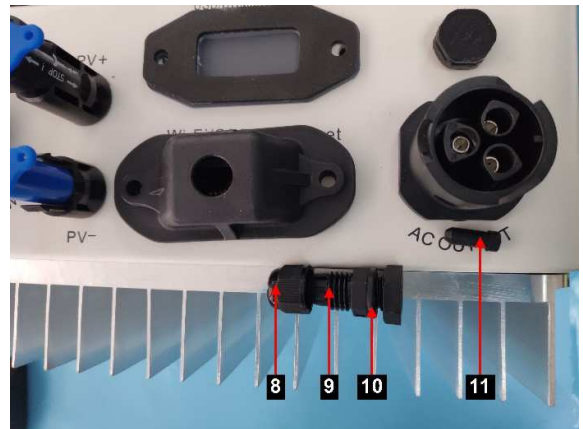
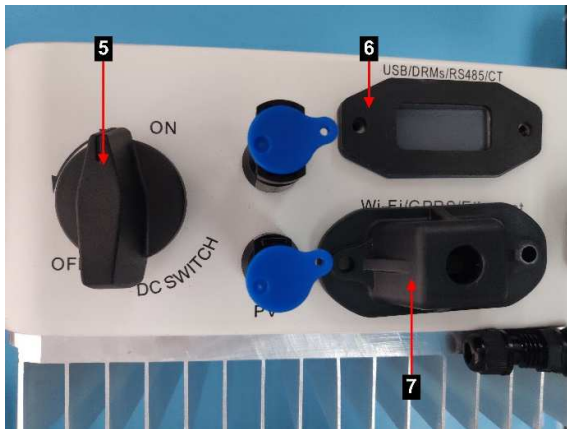
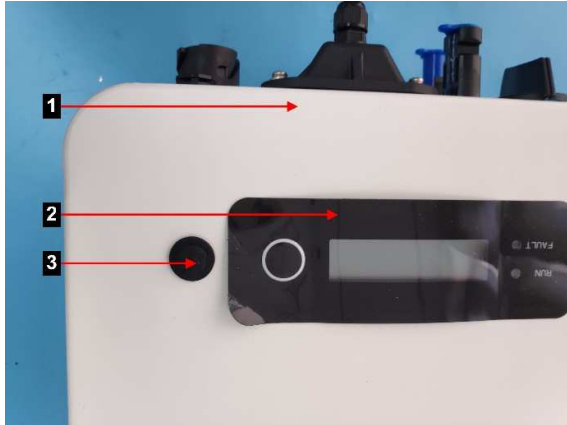
**XRF Screening And Chemical Confirmation Test Report**

**Sample photo**

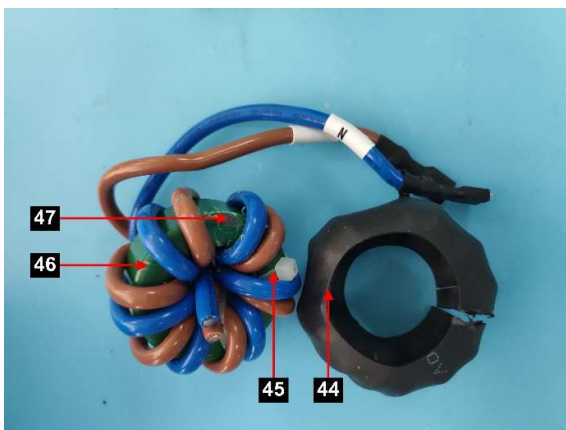
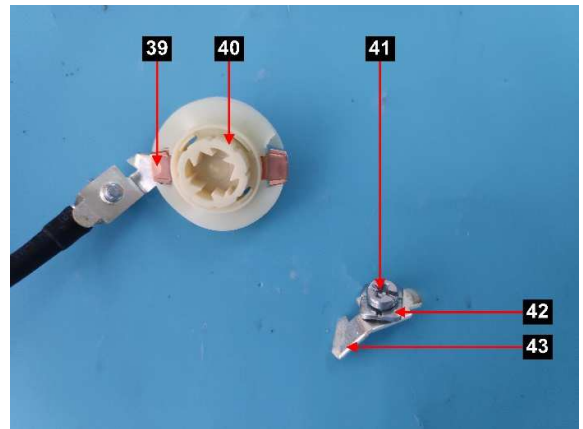
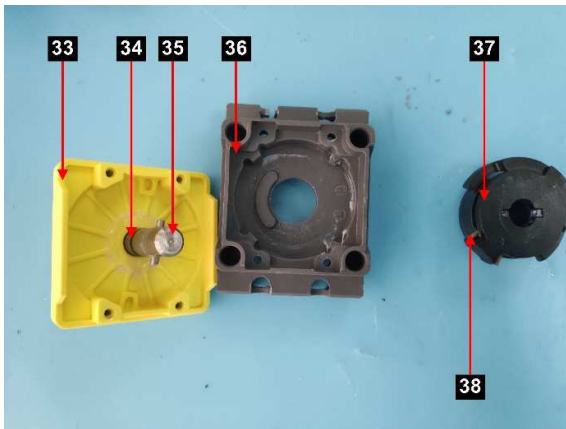
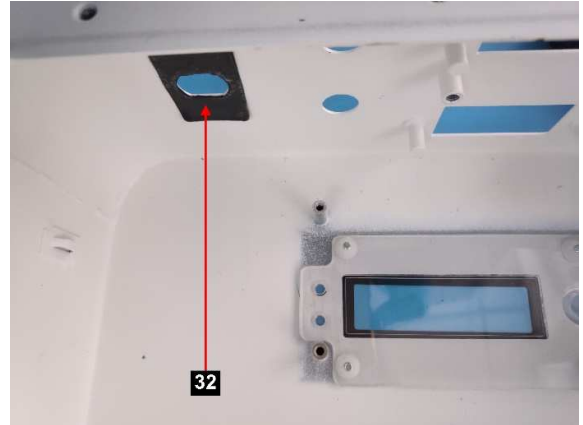
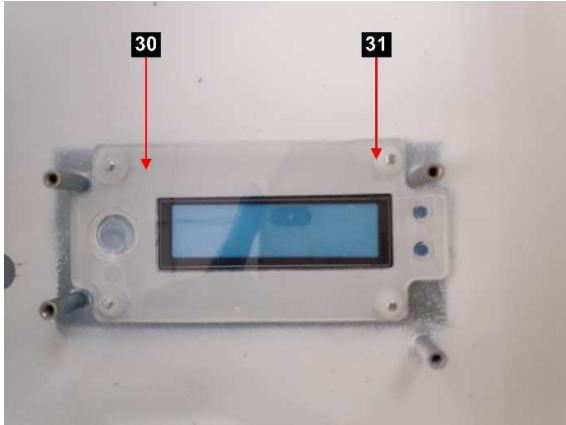




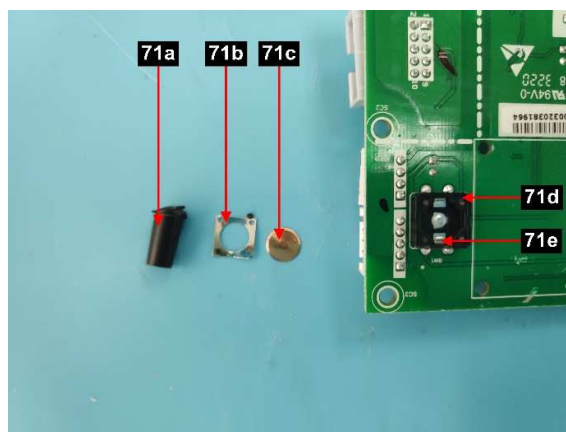
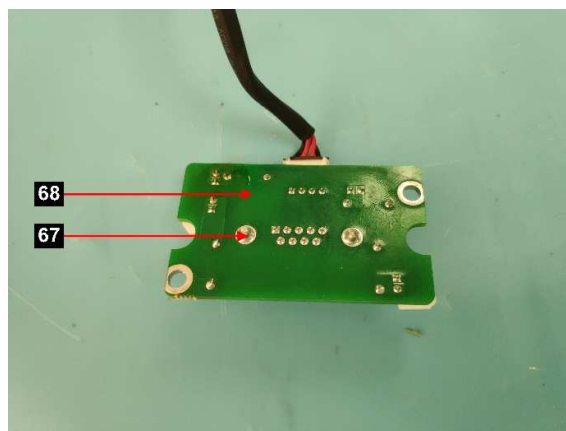
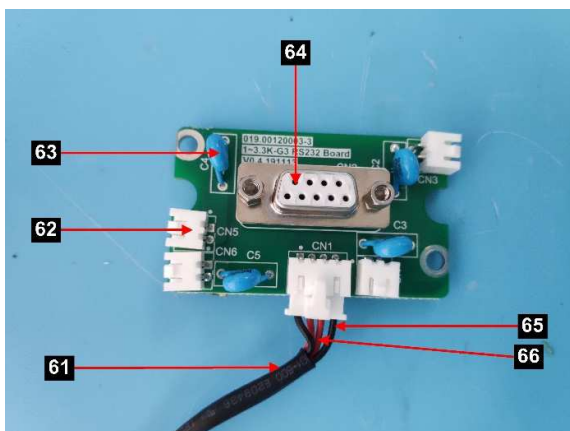
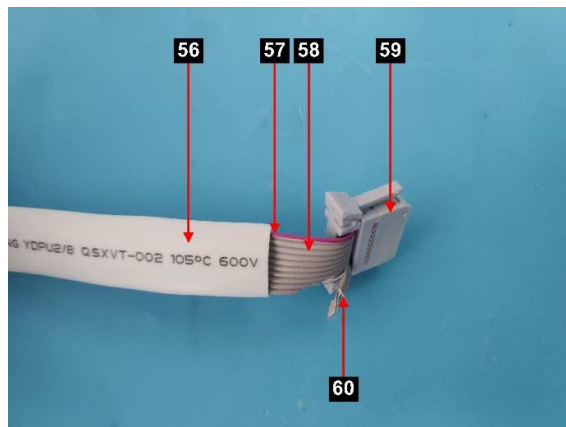
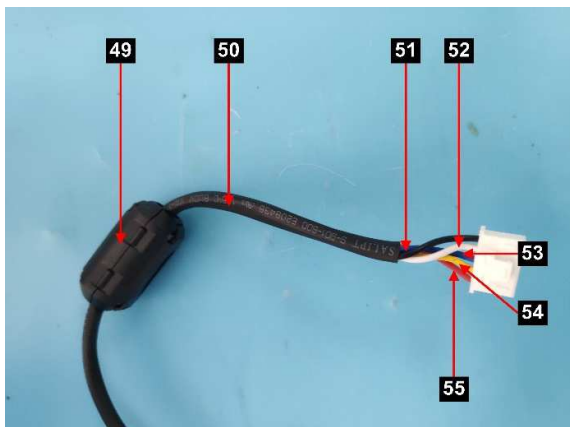
**XRF Screening And Chemical Confirmation Test Report**



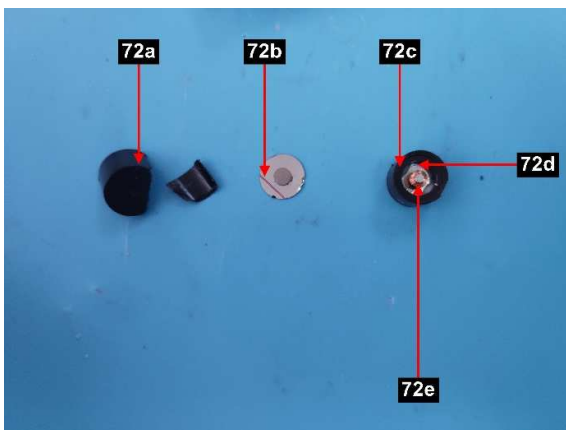
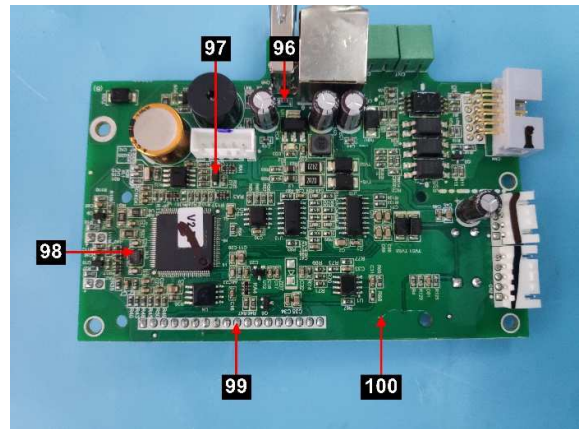
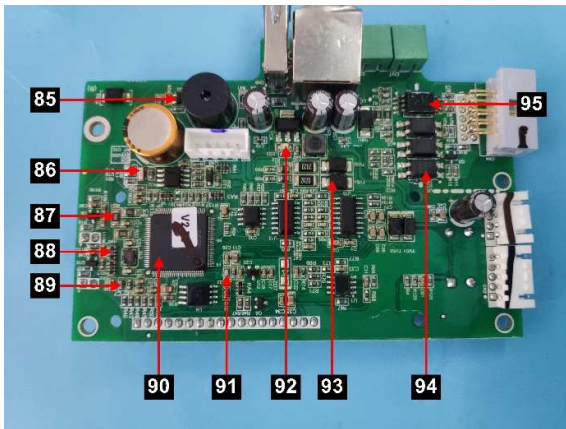
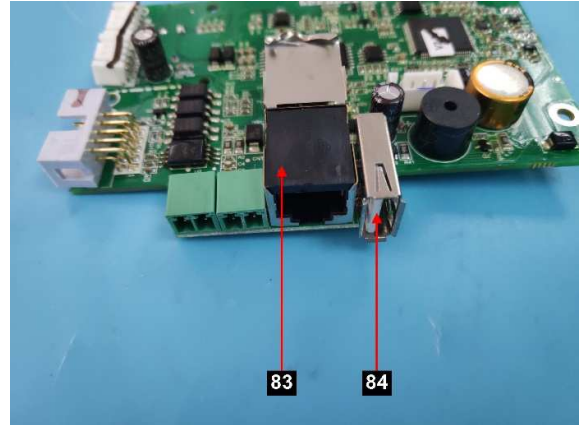
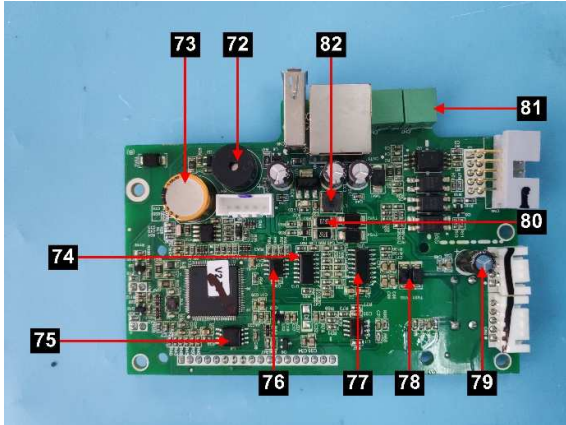
**XRF Screening And Chemical Confirmation Test Report**

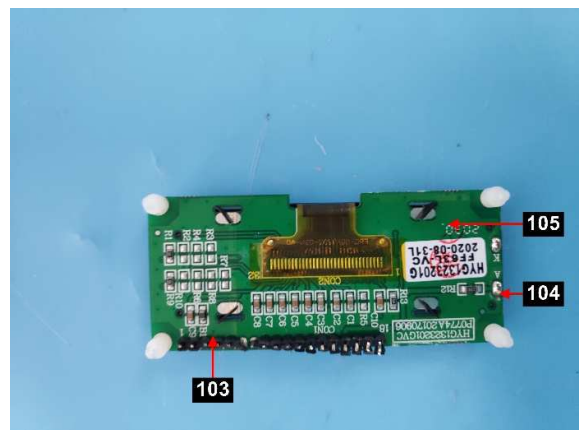
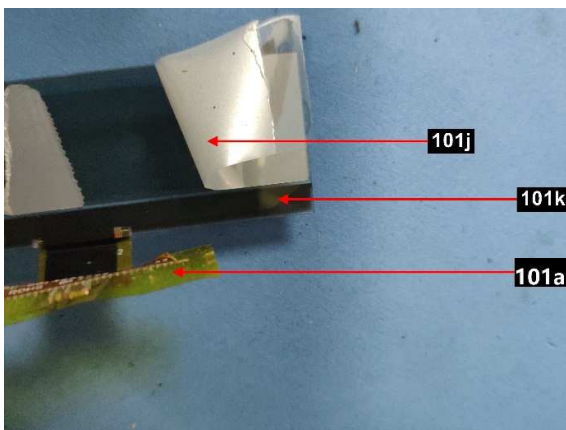
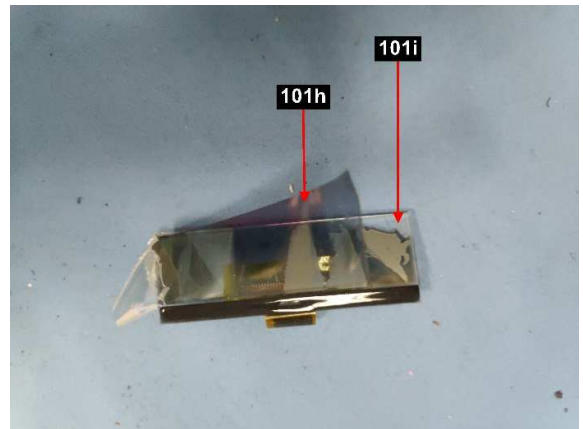
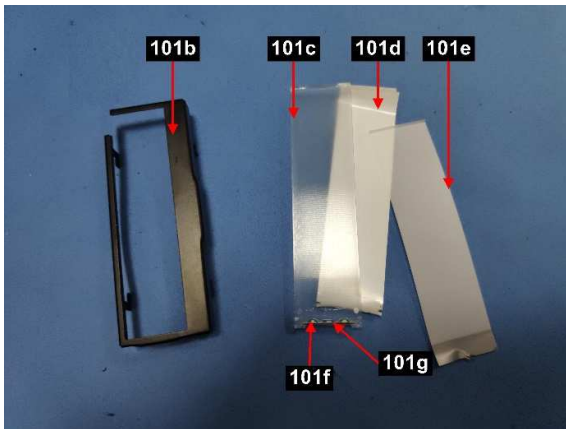
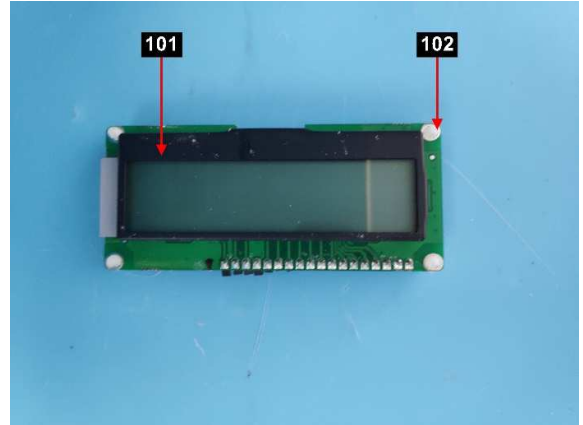
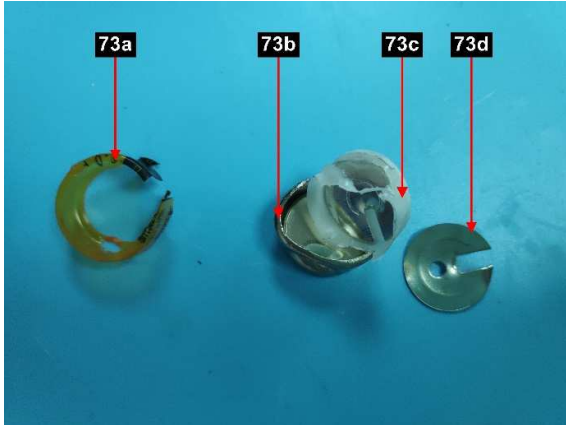


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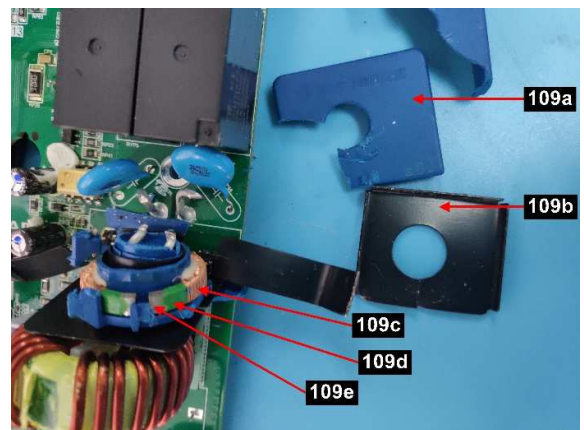
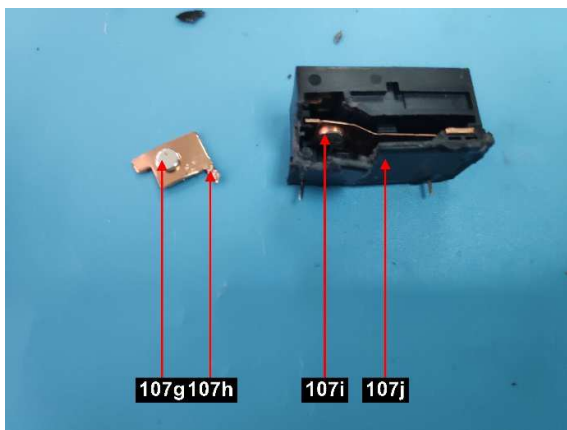
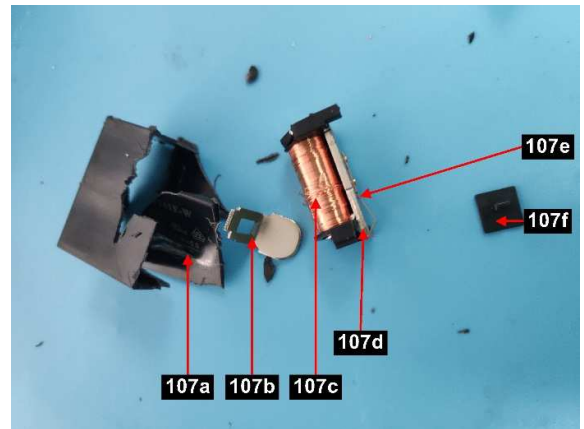
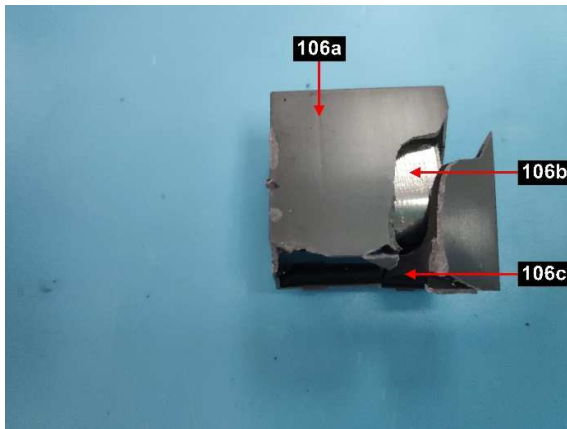
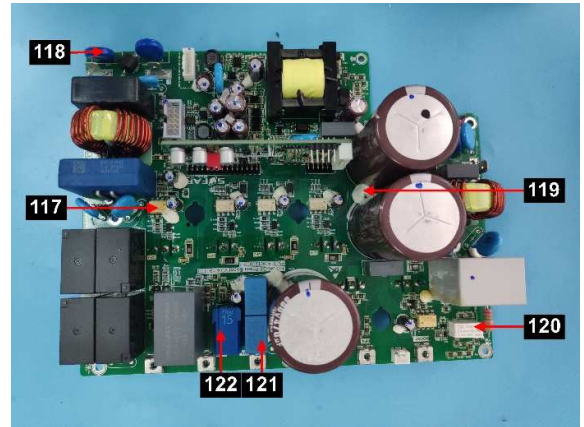
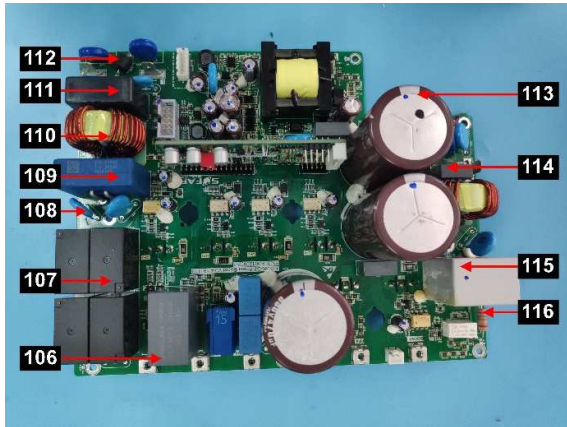


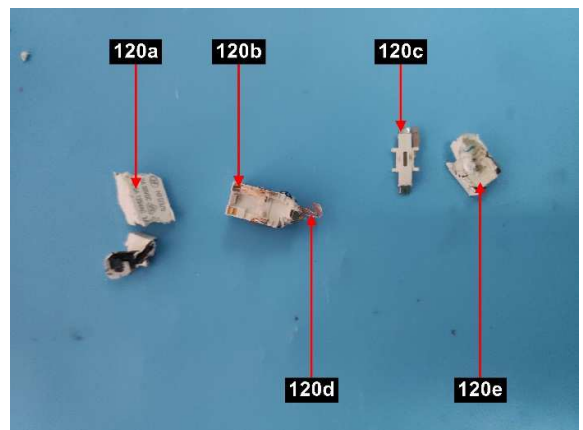
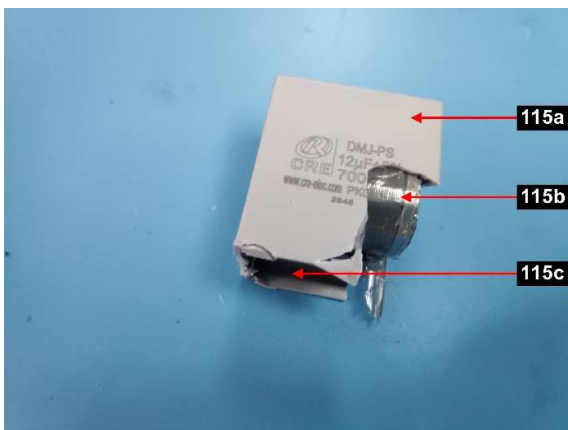
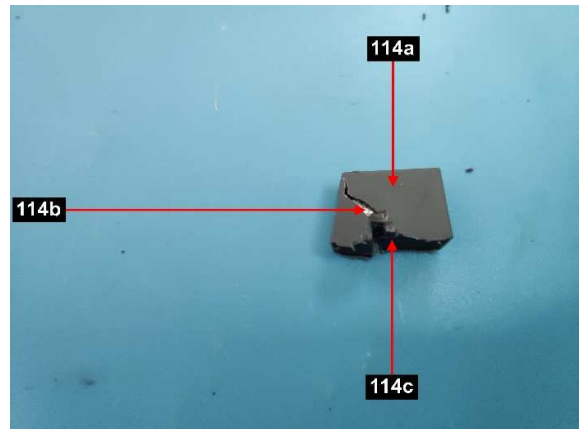
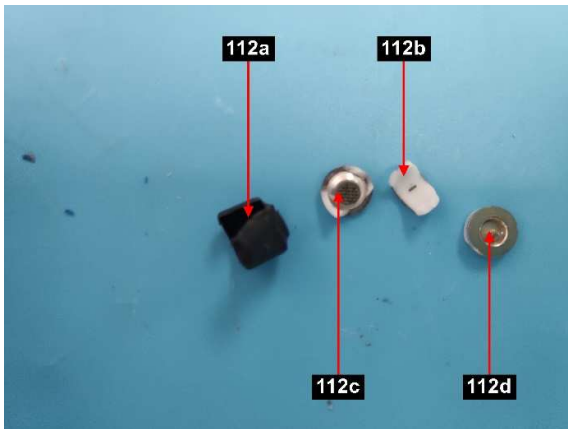
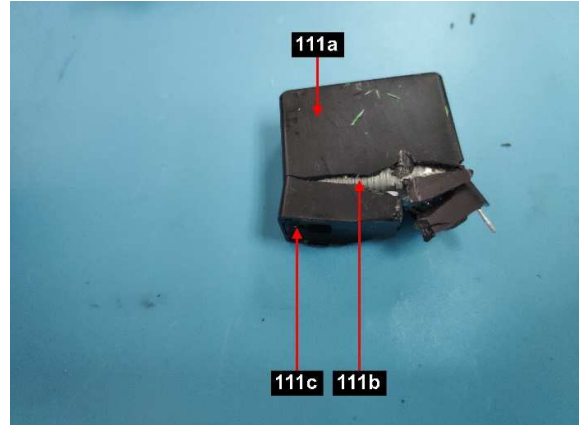
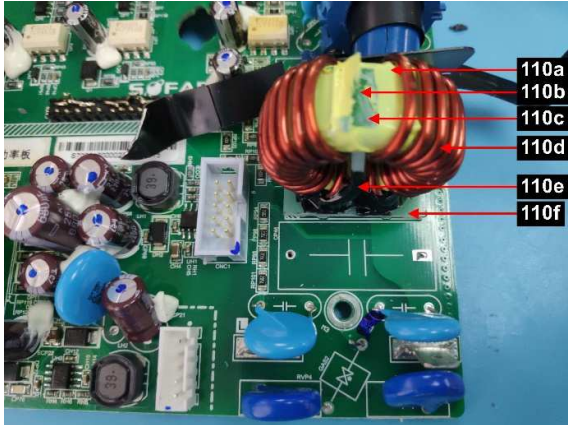
**XRF Screening And Chemical Confirmation Test Report**



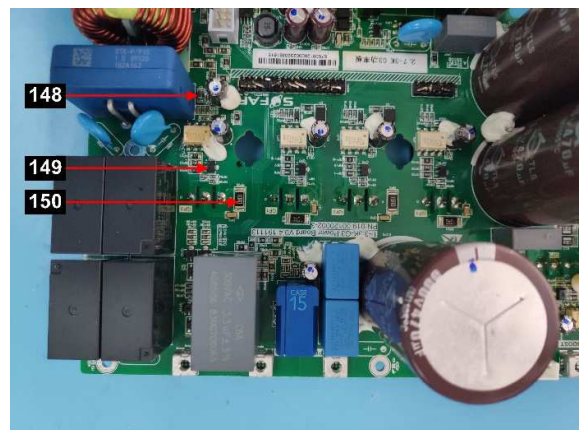
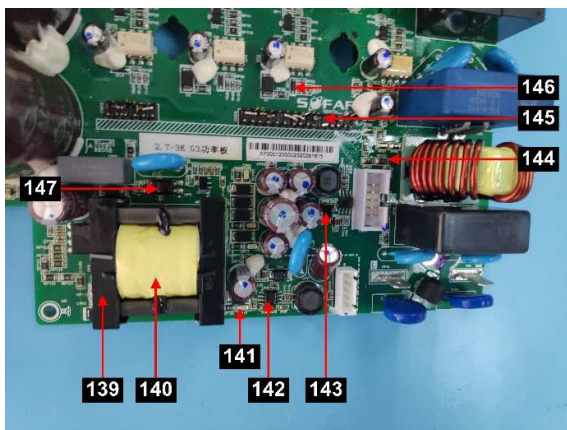
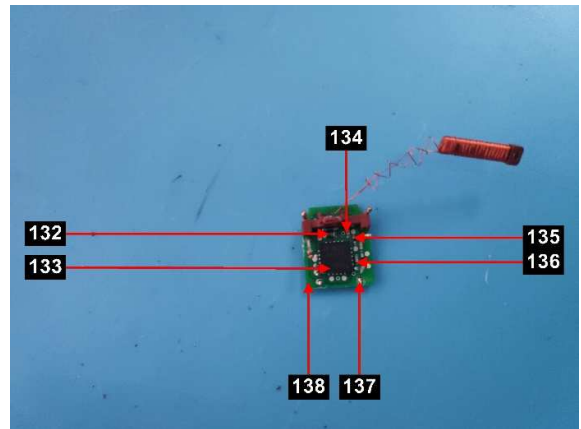
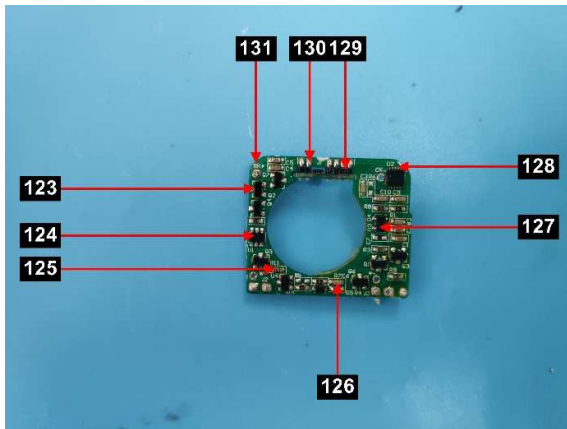
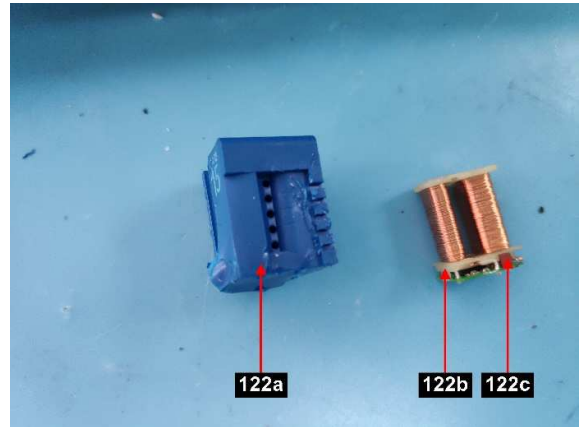
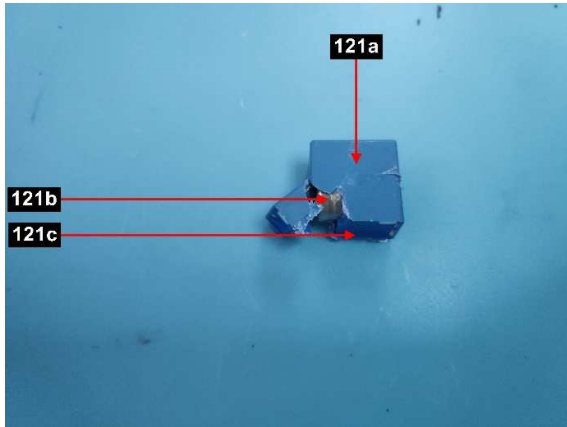


**XRF Screening And Chemical Confirmation Test Report**



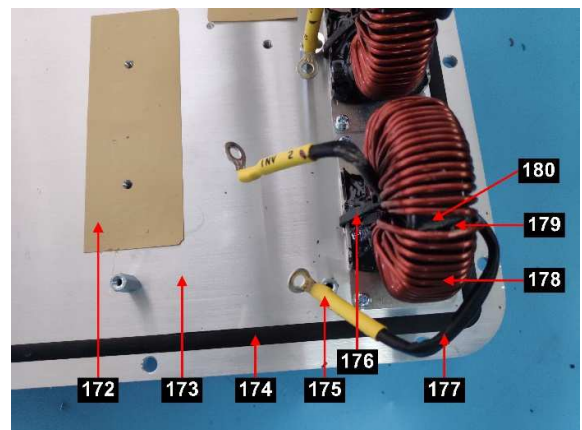
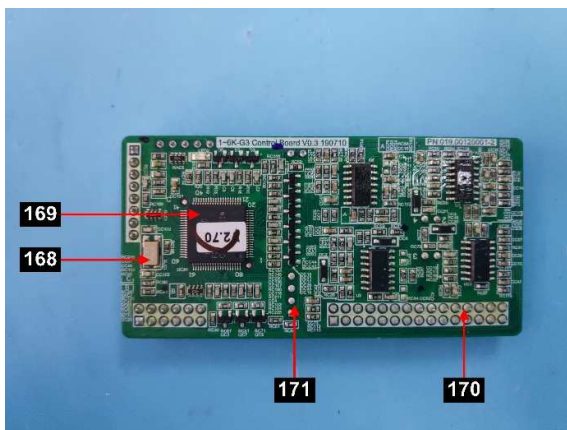
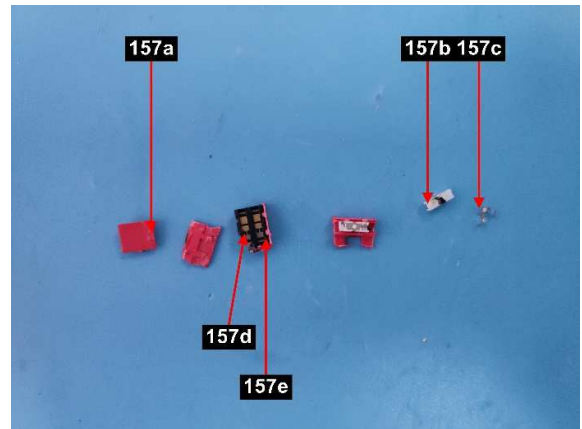
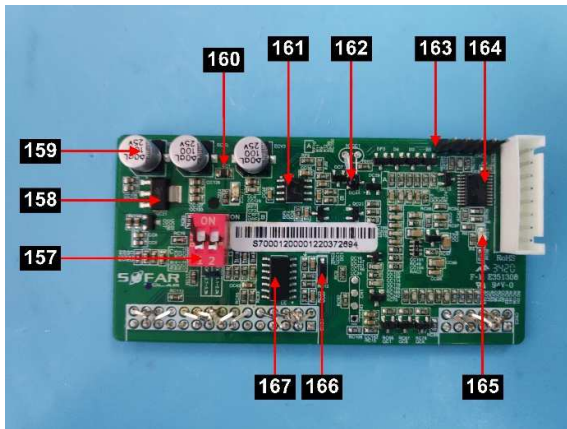
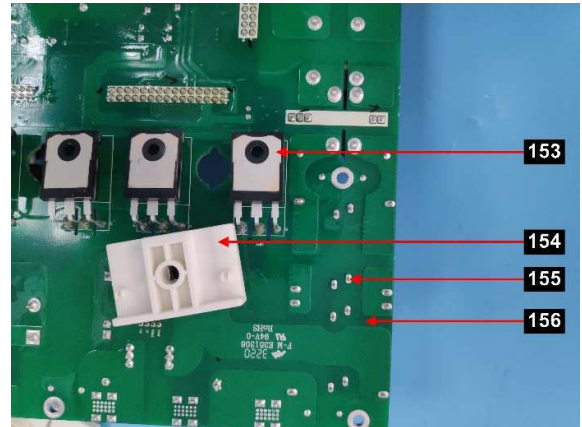
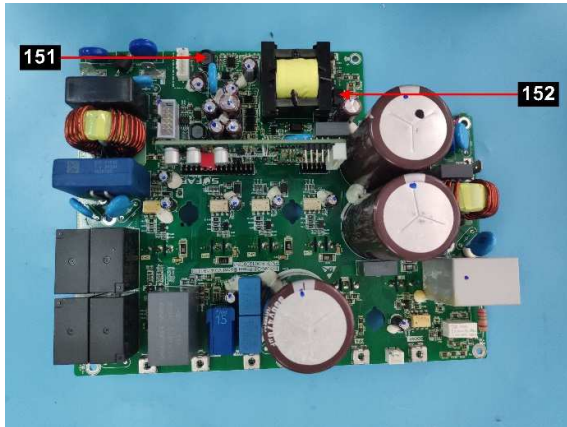


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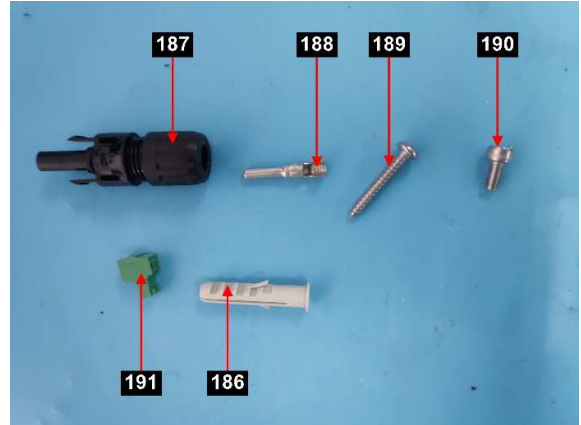
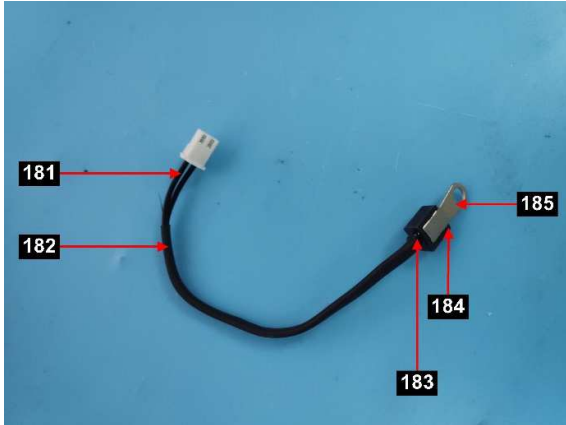




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End of report

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