

## 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. : HYD 20KTL-3PH  
Reference No. : HYD 5KTL-3PH, HYD 6KTL-3PH, HYD 8KTL-3PH,  
HYD 10KTL-3PH, HYD 15KTL-3PH  
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:

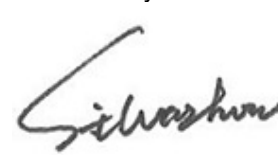
Prepared by:



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
2	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	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
4	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
5	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
6	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	NT	ND
	DEHP	NA		
	BBP			
	DBP			
DIBP				
7	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	NA	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP				
8	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	NA	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP				
9a	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	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
9b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
9c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
9d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
9e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
9f	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
9g	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
9h	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
9i	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	Cr <sup>6+</sup> : ND
	Pb	>1500mg/kg <sup>#3</sup>		
	Hg	ND		
	Cr	Inconclusive		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
11	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
12	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
13	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
14	Cd	ND	NA	Cr <sup>6+</sup> : ND
	Pb	>1500mg/kg <sup>#3</sup>		
	Hg	ND		
	Cr	Inconclusive		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
15	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			
16	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
17	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
18	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			
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	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	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				



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
22a	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			
22b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
22c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
22d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
22e	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
23	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
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	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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	NA	NA
	BBP			
	DBP			
DIBP				
27	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	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		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
29	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
30	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
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	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	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
33	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
34	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
35	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
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	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
38	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			
39	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
40	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
41	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
42	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			



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
43	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
44	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
45	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
46	Cd	ND	NA	Cr <sup>6+</sup> : ND	
	Pb	>1500mg/kg <sup>#3</sup>			
	Hg	ND			
	Cr	Inconclusive			
	Br	ND	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
47	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
48	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
49	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
50	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	>1500mg/kg#4		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
	51a	Cd	ND	NA
Pb		ND		
Hg		ND		
Cr		ND		
Br		Inconclusive		
DEHP		NA	NT	ND
BBP				ND
DBP				ND
DIBP	ND			
51b	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			



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



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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
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	>1500mg/kg <sup>#4</sup>			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
59	Cd	ND	NA	NT	
	Pb	>1500mg/kg <sup>#4</sup>			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
60a	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
60b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					





**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
60c	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
60d	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					
60e	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					
60f	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
60g	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
61a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
61b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
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			
63b	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
64a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
64b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
66a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
66b	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
67a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
67b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
68	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
DIBP	NA			
69	Cd	ND	NA	Cr <sup>6+</sup> : ND
	Pb	>1500mg/kg <sup>#3</sup>		
	Hg	ND		
	Cr	Inconclusive		
	Br	ND		
	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			



**XRF Screening And Chemical Confirmation Test Report**

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				
70c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
70d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
70e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
70f	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
70g	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 : ND
	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	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
72	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	
73	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
74a	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				
74b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
74c	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
74d	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	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
74e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
74f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
74g	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			
75a	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			
75b	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
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			
78a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
78b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
78c	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
78d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
79	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
80	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
81	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
82	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	
83	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				
84a	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	BL	NT	
	BBP		BL		
	DBP		BL		
DIBP	BL				
84b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NA	NA	
	BBP		NA		
	DBP		NA		
DIBP	NA				
84c	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP		NA		
	DBP		NA		
DIBP	NA				
84d	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
84e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
85a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
85b	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			
85c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
86a	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
86b	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			
86c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
87	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
88	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
89	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	
90	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
91a	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				
91b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					
91c	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					
91d	Cd	ND	NA	Cr <sup>6+</sup> : Negative	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
91e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
91f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
91g	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			
92a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
92b	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
92c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
92d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
93a	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			
93b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
93c	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
93d	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			
93e	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			
93f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
93g	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
93h	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
93i	Cd	>130mg/kg#2	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
93j	Cd	>130mg/kg#2	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
93k	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
93l	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
94a	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
94b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
94c1	Cd	ND	NA	Cr <sup>6+</sup> : ND
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
94c2	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95a	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			
95b	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
95c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95f	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95g	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
95h	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95i	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			
95j	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95k	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95l	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
95m	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
95n	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	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
97	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			
98	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
99	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive	NT	ND
	DEHP	NA		
	BBP			
	DBP			
DIBP	ND			
100	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
101	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			
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	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
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			
106	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
107	Cd	ND	NA	Cr <sup>6+</sup> : ND
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
108	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
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	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
109c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
109d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
110	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	218mg/kg
	BBP			ND
	DBP			352mg/kg
DIBP	ND			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result	
111a	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				
111b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
111c	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive			
	DEHP	NA	NA	NT	
	BBP				BL
	DBP				BL
DIBP	BL				
112	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NA	NT	
	BBP				BL
	DBP				BL
DIBP	BL				
113	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NA	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
114a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
114b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
114c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
114d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
115	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
116	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
117a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
117b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
118	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
119	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	
120	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NT	ND	
	DEHP	NA		ND	
	BBP			ND	
	DBP			ND	
DIBP	ND				
121	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
122	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				
123	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
124a	Cd	ND	NA	Cr <sup>6+</sup> : Negative	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	NT	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
124b	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
124c	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
124d	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
124e	Cd	ND	NA	Cr <sup>6+</sup> : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT	NA	NA
	DEHP	NA		
	BBP			
	DBP			
DIBP				
125	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT	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	
126	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				
127	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
128	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
129	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				
130	Cd	ND	NA	Cr <sup>6+</sup> : ND	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	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
131	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
132	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			
133	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
134	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
135	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
136	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
137	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
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	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			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
141	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
142	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
143	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			
144	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
145	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	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
146	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive	NT	ND
	DEHP	NA		
	BBP			
	DBP			
DIBP	ND			
147	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	Detected		
	Br	ND	BL	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP	BL			
148	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	BL	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP	BL			
149	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive	BL	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP	BL			
150	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND	BL	NT
	DEHP	NA		
	BBP			
	DBP			
DIBP	BL			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
151	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			
152	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
153	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			
154	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
155	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
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			
157	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
158	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
159	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
160	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
161	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
162	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
163	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
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			



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
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	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
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	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	
171	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NT	ND	
	DEHP	NA			
	BBP				
	DBP				
DIBP					
172	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				
173	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				
174	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
175	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	
176	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
177	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NT	ND	
	DEHP	NA			ND
	BBP				ND
	DBP				ND
DIBP	ND				
178	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive	NT	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
179	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NT	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
180	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NT	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	
181	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
182	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Detected	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
183	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
184	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
185	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	
186	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
187	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
188	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
189	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			NT
	BBP				NT
	DBP				NT
DIBP	NT				
190	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			NT
	BBP				NT
	DBP				NT
DIBP	NT				



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
191	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
192	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
193	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
194	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
195	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
196	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
197	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
198	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
199	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			
200	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	
201	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				
202	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NT	ND	
	BBP			ND	
	DBP			ND	
DIBP	ND				
203	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NT	ND	
	BBP			ND	
	DBP			ND	
DIBP	ND				
204	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NT	BL	
	BBP			BL	
	DBP			BL	
DIBP	BL				
205	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NT	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	
206	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				
207	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	NT	ND	
	BBP			ND	
	DBP			ND	
DIBP	ND				
208	Cd	ND	NA	PBBs : ND PBDEs : ND	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	Inconclusive			
	DEHP	NA	NT	BL	
	BBP			BL	
	DBP			BL	
DIBP	BL				
209	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
210a	Cd	ND	NA	Pb:23675 mg/kg#1	
	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
210b	Cd	ND	NA	Pb:32364 mg/kg#1
	Pb	>1300mg/kg		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
210c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
211	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
212	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
213	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	
214a	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
214b	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
214c	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
214d	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				NA
	DBP				NA
DIBP	NA				
214e	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	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	
214f	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND	NA	NT	
	DEHP	NA			BL
	BBP				BL
	DBP				BL
DIBP	BL				
214g	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					
215	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				
216	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				
217	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT	NA	NA	
	DEHP	NA			NA
	BBP				
	DBP				
DIBP					



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
218	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
219	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
220	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
221	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
222	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
223	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
224	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
225	Cd	ND	NA	NT
	Pb	>1500mg/kg#3		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
226a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
226b	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		
226c	Cd	ND	NA	NT		
	Pb	ND				
	Hg	ND				
	Cr	ND				
	Br	ND	NA	NT		
	DEHP	NA			BL	
	BBP				BL	
	DBP				BL	
DIBP	BL					
226d	Cd	ND	NA	NT		
	Pb	ND				
	Hg	ND				
	Cr	ND				
	Br	NT	NA	NA		
	DEHP	NA			NA	
	BBP					
	DBP					
DIBP						
226e	Cd	ND	NA	NT		
	Pb	ND				
	Hg	ND				
	Cr	ND				
	Br	NT	NA	NA		
	DEHP	NA			NA	
	BBP					
	DBP					
DIBP						
226f	Cd	ND	NA	NT		
	Pb	ND				
	Hg	ND				
	Cr	ND				
	Br	ND	NA	NT		
	DEHP	NA			NT	ND
	BBP					ND
	DBP					ND
DIBP	ND					
226g	Cd	ND	NA	NT		
	Pb	ND				
	Hg	ND				
	Cr	ND				
	Br	NT	NA	NA		
	DEHP	NA			NA	
	BBP					
	DBP					
DIBP						



**XRF Screening And Chemical Confirmation Test Report**

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
227	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
228	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			
229a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
229b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
230a	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	
230b	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				
230c	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	ND			
	DEHP	NA	BL	NT	
	BBP		BL		
	DBP		BL		
DIBP	BL				
231	Cd	ND	NA	Cr <sup>6+</sup> : ND	
	Pb	ND			
	Hg	ND			
	Cr	Inconclusive			
	Br	ND			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
232	Cd	ND	NA	NT	
	Pb	ND			
	Hg	ND			
	Cr	ND			
	Br	NT			
	DEHP	NA	NA	NA	
	BBP				
	DBP				
DIBP					
233	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
234a	Cd	ND	NA	PBBs : ND PBDEs : ND
	Pb	>1500mg/kg#4		
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
234b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
235	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
236a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
DIBP	BL			
236b	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
237	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
238	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			
239	Cd	ND	NA	Pb:27140 mg/kg <sup>#1</sup>
	Pb	>1300mg/kg		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
240	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
DIBP				
241	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
242	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
243	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
DIBP	ND			
244	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**

**Appendix:**

Testing Item	Result (mg/kg)	
	<b>15</b>	<b>22a</b>
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)	8	15
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)	8	15



**XRF Screening And Chemical Confirmation Test Report**

Testing Item	Result (mg/kg)	
	53	85b
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)	26	9
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)	26	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).



## XRF Screening And Chemical Confirmation Test Report

Remark:

- (# 1) = As claimed by the declaration submitted from the supplier of applicant, the Lead content of the component comes from Copper alloy only. According to EU RoHS Directive (2011/65/EU), 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 supplier of applicant, the cadmium content of the component comes from the constituent of electrical contact only. According to EU RoHS Directive (2011/65/EU), cadmium in electronic contact of the component can be exempted.
- (# 3) = 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.
- (# 4) = 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) Black coating on plastic
- (3) Transparent plastic excluding coating
- (4) Black soft plastic
- (5) Silvery metal
- (6) Transparent glue
- (7) Transparent plastic
- (8) Black foam
- (9) A-j
- (9a) Silvery metal
- (9b) White plastic
- (9c) Semi-transparent white plastic
- (9d) Black glue
- (9e) Transparent plastic
- (9f) Transparent black plastic
- (9g) Black tape
- (9h) Transparent glass
- (9i) Silvery plastic
- (10) White ceramic with black material & white printing & silvery metal
- (11) Brown ceramic with silvery metal
- (12) Yellow FPC
- (13) White ceramic with silvery metal
- (14) White ceramic with black material & white printing & silvery metal
- (15) Black plastic
- (16) Silvery metal & ceramic & black material
- (17) Solder
- (18) Green PCB
- (19) White plastic
- (20) Grey/white plastic
- (21) Golden/silvery metal
- (22) Switch
- (22a) Black plastic
- (22b) Silvery metal
- (22c) Silvery metal
- (22d) Black plastic
- (22e) Silvery metal
- (23a) Red plastic
- (24) White plastic
- (25) Green plastic
- (26) Black ceramic with silvery metal
- (27) Brown ceramic with silvery metal





## XRF Screening And Chemical Confirmation Test Report

- (28) White ceramic with silvery metal
- (29) Silvery metal & quartz & green material
- (30) Silvery metal & quartz & green material
- (31) Black body with silvery metal
- (32) Green PCB
- (33) Black body with brown printing & silvery metal
- (34) Black plastic with beige printing & silvery metal
- (35) White plastic
- (36) White paper label with black printing
- (37) Solder
- (38) Green PCB
- (39) White plastic with black printing
- (40) Silvery metal wire
- (41) Grey plastic
- (42) Grey/white plastic
- (43) Grey plastic with purple printing
- (44) Black body with silvery metal
- (45) Brown ceramic with silvery metal
- (46) White ceramic with black material & white printing & silvery metal
- (47) Black body with silvery metal
- (48) White ceramic with black material & white printing & silvery metal
- (49) Brown ceramic with silvery metal
- (50) Black body with brown printing & silvery metal
- (51) Switch
- (51a) Brown plastic
- (51b) Brown plastic
- (52) Black body with silvery metal
- (53) Black plastic
- (54) Silvery metal & quartz & green material
- (55) Black body with silvery metal
- (56) Black body with brown printing & silvery metal
- (57) Black body with silvery metal
- (58) Black body with brown printing & silvery metal
- (59) Black body with silvery metal
- (60) Capacitor
- (60a) Yellow plastic with black printing
- (60b) Silvery metal
- (60c) Beige paper
- (60d) Dull silver-grey metal sheet
- (60e) Bright silver-grey metal sheet
- (60f) Black soft plastic
- (60g) Silvery metal
- (61) A-c



## XRF Screening And Chemical Confirmation Test Report

- (61a) Black magnet
- (61b) Copper color metal wire
- (62) Black plastic
- (63) Capacitor
- (63a) Blue body
- (63b) Silvery metal
- (64) Transformer
- (64a) Yellow tape
- (64b) Black plastic
- (65) White glue
- (66) A~b
- (66a) Black body with silvery metal
- (66b) Silvery metal
- (67) Transformer
- (67a) Yellow tape
- (67b) Black plastic
- (68) Brown ceramic with silvery metal
- (69) White ceramic with black material & white printing & silvery metal
- (70) Capacitor
- (70a) Black plastic with white printing
- (70b) Silvery metal
- (70c) Beige paper
- (70d) Dull silver-grey metal sheet
- (70e) Bright silver-grey metal sheet
- (70f) Black soft plastic
- (70g) Silvery metal
- (71) Relay
- (71a) White plastic with grey printing
- (71b) Copper color metal wire
- (71c) Black/white plastic
- (72) Beige plastic
- (73) Black body with silvery metal
- (74) Buzzer
- (74a) Black plastic
- (74b) Silvery metal
- (74c) Black magnet
- (74d) Silvery metal
- (74e) Copper color metal wire
- (74f) Black glue
- (74g) Green PCB
- (75) A-b
- (75a) White body
- (75b) Silvery metal



## XRF Screening And Chemical Confirmation Test Report

- (76) Black body with silvery metal
- (77) Black body with brown printing & silvery metal
- (78) A-d
- (78a) Brown plastic with black printing
- (78b) White plastic
- (78c) Silvery metal
- (78d) Silvery metal
- (79) White ceramic with silvery metal
- (80) Black body with silvery metal
- (81) White ceramic with black material & white printing & silvery metal
- (82) Solder
- (83) Green PCB
- (84) A-e
- (84a) Blue plastic
- (84b) Black magnet
- (84c) Silvery metal
- (84d) Green PCB
- (84e) Solder
- (85) Capacitor
- (85a) Black plastic with grey printing
- (85b) Bright black plastic
- (85c) Transparent/silver color electrolytic paper
- (86) Capacitor
- (86a) Grey plastic
- (86b) Black plastic
- (86c) Transparent /silver color electrolytic paper
- (87) Black plastic with white printing
- (88) Red plastic
- (89) White plastic
- (90) Black plastic
- (91) A-g
- (91a) Red plastic
- (91b) Silvery metal
- (91c) Golden metal
- (91d) Silvery metal
- (91e) White paper
- (91f) Green plastic
- (91g) Black plastic
- (92) A-d
- (92a) Black plastic
- (92b) Silvery metal
- (92c) White ceramic with bepurple printing
- (92d) Silvery metal



## XRF Screening And Chemical Confirmation Test Report

- (93) Relay
- (93a) Black plastic
- (93b) Copper color metal
- (93c) Silvery metal
- (93d) Beige plastic
- (93e) White plastic
- (93f) Copper color metal wire
- (93g) Silvery metal
- (93h) Black plastic
- (93i) Silvery/copper color metal
- (93j) Silvery/copper color metal
- (93k) Golden metal
- (93l) Copper color metal
- (94) A-d
- (94a) White ceramic
- (94b) White powder
- (94c1) Silvery metal
- (94c2) Grey body
- (95) Relay
- (95a) Black plastic
- (95b) Silvery/copper color metal
- (95c) Golden metal
- (95d) Silvery metal
- (95e) Copper color metal
- (95f) Silvery metal
- (95g) Black plastic
- (95h) Silvery metal
- (95i) Black plastic
- (95j) Silvery metal
- (95k) Copper color metal wire
- (95l) Silvery metal
- (95m) Silvery/copper color metal
- (95n) Black plastic
- (96) Copper color metal wire
- (97) White fiberwood
- (98) Black glue
- (99) Black plastic
- (100) Transparent /silver color electrolytic paper
- (101) Yellow fiberboard
- (102) White plastic
- (103) Transparent tape
- (104) Solder
- (105) Green PCB



## XRF Screening And Chemical Confirmation Test Report

- (106) White plastic
- (107) Red body
- (108) Black plastic
- (109) Transformer
- (109a) Yellow tape
- (109b) Black plastic
- (109c) Copper color metal wire with orange layer
- (109d) Copper color metal wire with yellow layer
- (110) Black plastic
- (111) A-e
- (111a) Black plastic
- (111b) Solder
- (111c) Green PCB
- (112) White plastic
- (113) Beige plastic
- (114) A-d
- (114a) White/black ceramic
- (114b) Transparent glue
- (114c) Silvery metal
- (114d) Blue grease
- (115) Black treated metal
- (116) White ceramic
- (117) Triode
- (117a) Black body
- (117b) Silvery metal
- (118) Solder
- (119) Green PCB
- (120) Black material
- (121) Solder
- (122) Green PCB
- (123) Black treated metal
- (124) Axletree
- (124a) Silvery metal
- (124b) Silvery metal
- (124c) Silvery metal
- (124d) Silvery metal
- (124e) Silvery metal
- (125) Silvery metal
- (126) White plastic
- (127) Copper color metal wire
- (128) Silvery metal
- (129) Black plastic
- (130) Black soft magnet



## XRF Screening And Chemical Confirmation Test Report

- (131) Grey grease
- (132) Black plastic
- (133) Brown soft plastic
- (134) Orange/green soft plastic
- (135) Grey glue
- (136) Red plastic
- (137) Yellow plastic with black printing
- (138) Silvery metal
- (139) Blue plastic
- (140) Black plastic with white printing
- (141) Black soft plastic
- (142) White plastic with black printing
- (143) Blue plastic
- (144) White soft plastic
- (145) Black plastic
- (146) Black soft plastic
- (147) Black plastic
- (148) Grey soft plastic
- (149) Black plastic
- (150) White soft plastic
- (151) Black plastic
- (152) Green soft plastic
- (153) Green plastic
- (154) Yellow/green plastic
- (155) Black plastic
- (156) Black plastic
- (157) Blue plastic
- (158) Black plastic with white printing
- (159) Yellow plastic
- (160) Green plastic (wire covering)
- (161) Yellow/green plastic
- (162) Yellow plastic (wire covering)
- (163) Brown plastic (wire covering)
- (164) White plastic (wire covering)
- (165) Green plastic (wire covering)
- (166) Black plastic (wire covering)
- (167) Red plastic (wire covering)
- (168) Blue plastic (wire covering)
- (169) Brown plastic (wire covering)
- (170) White plastic
- (171) Black glue
- (172) Black plastic
- (173) Green plastic



## XRF Screening And Chemical Confirmation Test Report

- (174) Black soft plastic
- (175) Black plastic
- (176) Black plastic
- (177) Black plastic with white printing
- (178) Black plastic
- (179) Orange plastic
- (180) Orange/white plastic
- (181) White/green plastic
- (182) Green plastic
- (183) Silvery foil
- (184) Black plastic
- (185) Brown/white plastic (wire covering)
- (186) Brown plastic (wire covering)
- (187) Copper color metal wire
- (188) Blue/white plastic (wire covering)
- (189) Black glue (wire covering)
- (190) Black soft plastic (wire covering)
- (191) Black plastic (wire covering)
- (192) Red plastic (wire covering)
- (193) Black plastic
- (194) Black magnet
- (195) Beige soft plastic
- (196) Blue plastic
- (197) Black plastic with white printing
- (198) Black plastic
- (199) Black plastic
- (200) Black plastic
- (201) Black plastic
- (202) White plastic label with black printing
- (203) Transparent with black printing
- (204) Transparent plastic
- (205) Black plastic
- (206) Black plastic
- (207) Blue plastic
- (208) Black PCB
- (209) Solder
- (210) A-c
- (210a) Golden metal
- (210b) Golden metal
- (210c) Golden metal
- (211) White plastic
- (212) Solder
- (213) Green PCB



## XRF Screening And Chemical Confirmation Test Report

- (214) Capacitor
- (214a) Blue plastic with white printing
- (214b) Silvery metal
- (214c) Beige paper
- (214d) Dull silver-grey metal sheet
- (214e) Bright silver-grey metal sheet
- (214f) Black soft plastic
- (214g) Silvery metal
- (215) Black plastic
- (216) Black plastic
- (217) Golden metal
- (218) Blue body with multicolor printing(resistor)
- (219) White plastic
- (220) Transparent plastic
- (221) Transparent plastic with multicolor printing
- (222) Black body with silvery metal (SMD IC)
- (223) Silvery metal & quartz & green material (SMD crystal)
- (224) Black body with silvery metal (SMD IC)
- (225) Transparent glass with inaccessible orange-red / black material & silvery metal (SMD diode)
- (226) Capacitor
- (226a) Black plastic with white printing
- (226b) Silvery metal (case)
- (226c) Beige paper (electrolytic paper)
- (226d) Dull silver-grey metal sheet (electrolytic paper)
- (226e) Bright silver-grey metal sheet (electrolytic paper)
- (226f) Black soft plastic
- (226g) Silvery metal (pin)
- (227) Solder
- (228) Green PCB
- (229) Capacitor
- (229a) Orange body
- (229b) Silvery metal(pin)
- (230) Capacitor
- (230a) Yellow plastic
- (230b) Light yellow plastic
- (230c) Transparent /silver color electrolytic paper
- (231) Green ceramic body
- (232) Solder
- (233) Green PCB
- (234) Diode
- (234a) Black body
- (234b) Silvery metal(pin)
- (235) Black body with silvery metal (SMD IC)





## XRF Screening And Chemical Confirmation Test Report

- (236) Transformer
- (236a) Yellow tape
- (236b) Black plastic
- (237) Solder
- (238) Green PCB
- (239) Golden metal
- (240) Copper color metal
- (241) Silvery plastic label with black printing
- (242) Transparent plastic
- (243) Black glue
- (244) Blue coating on magnet

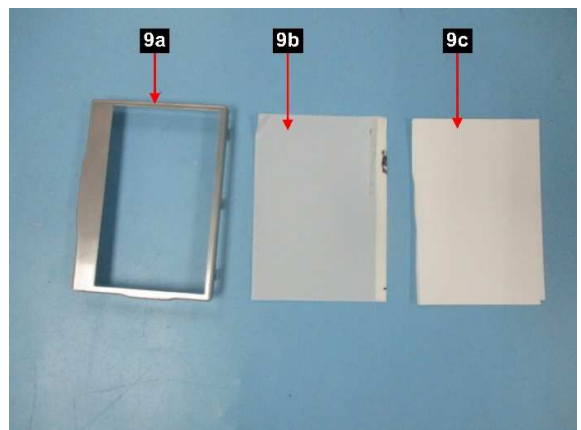
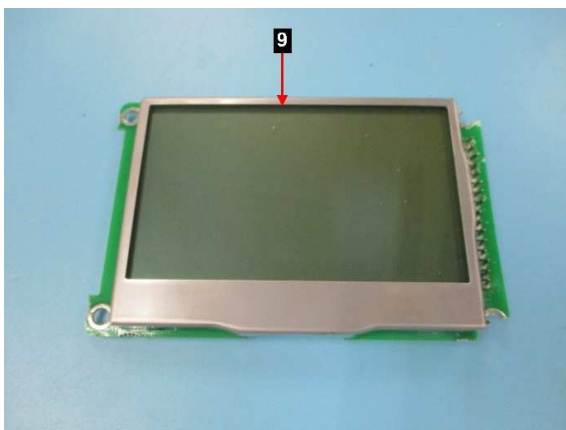
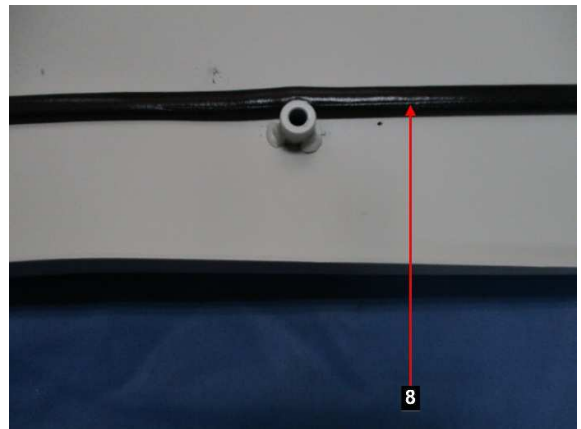
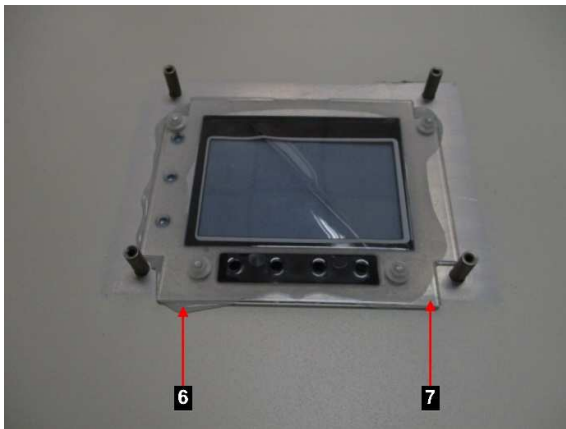
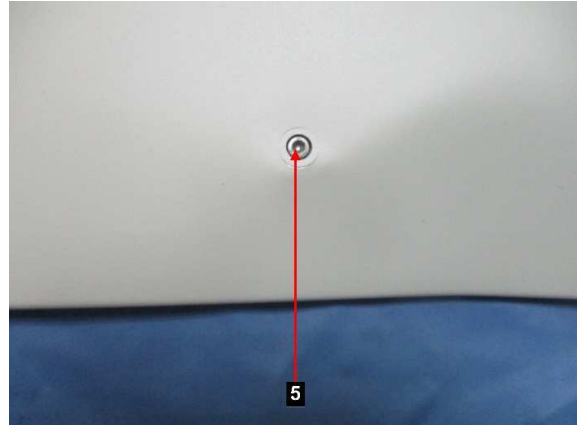
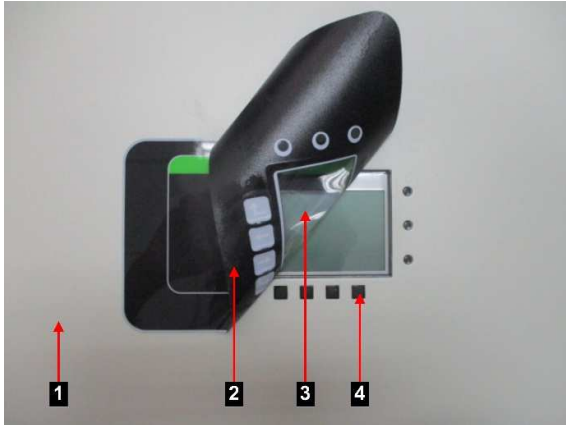


**XRF Screening And Chemical Confirmation Test Report**

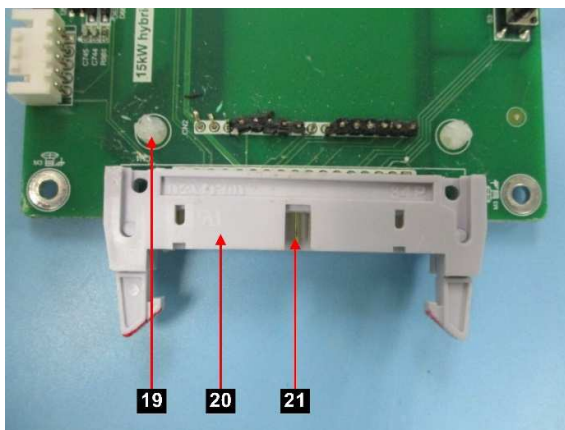
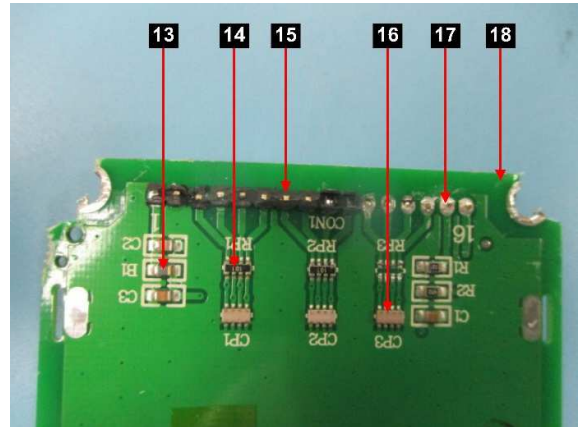
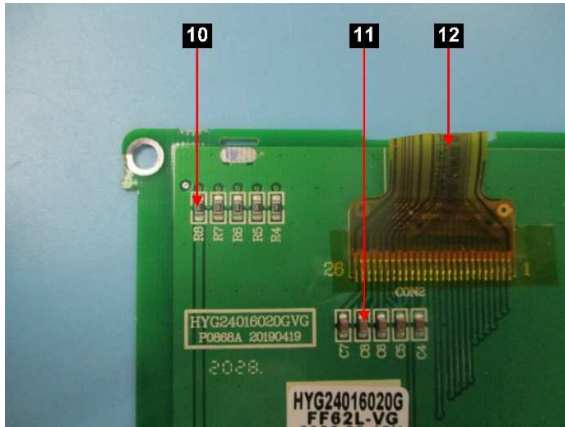
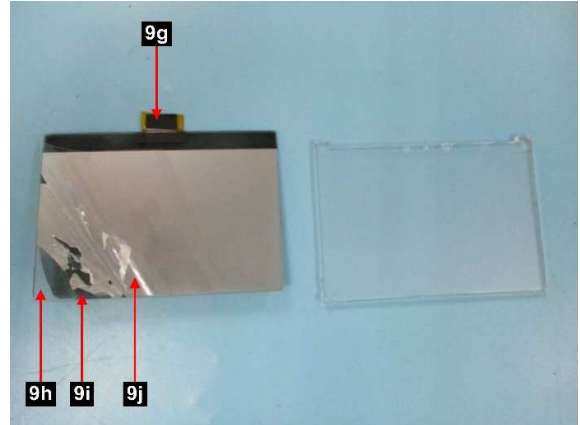
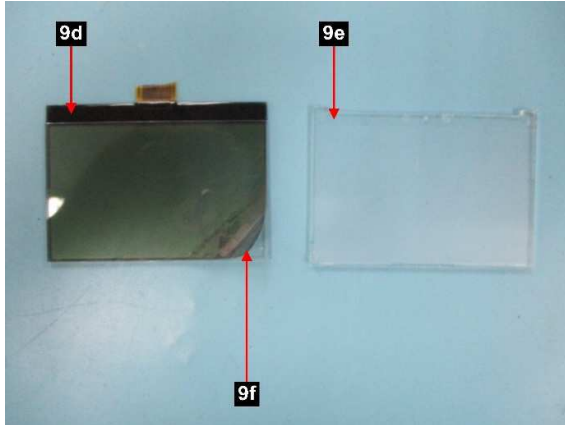
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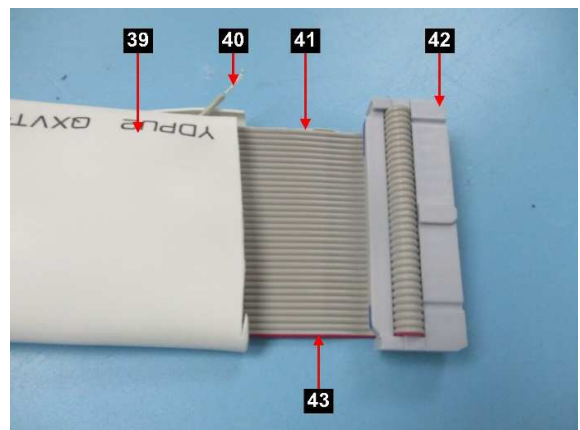
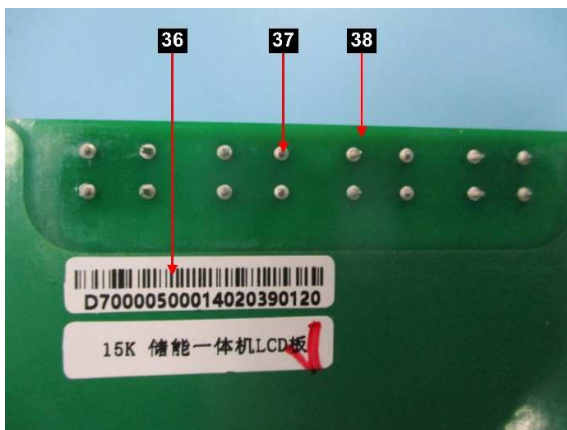
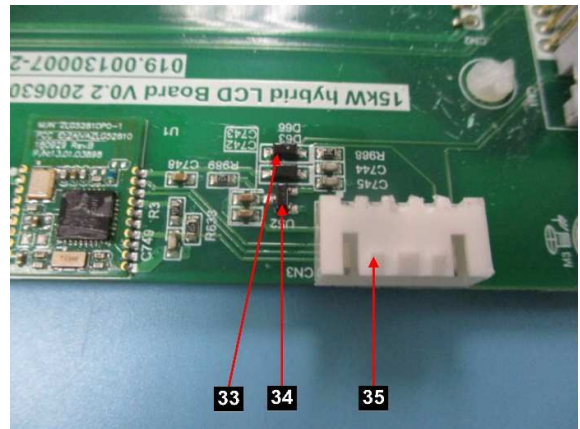
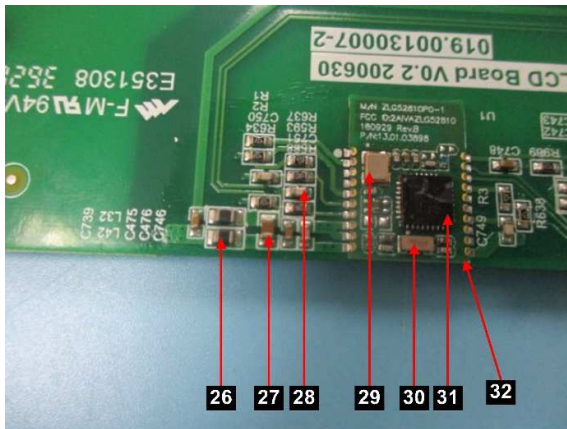
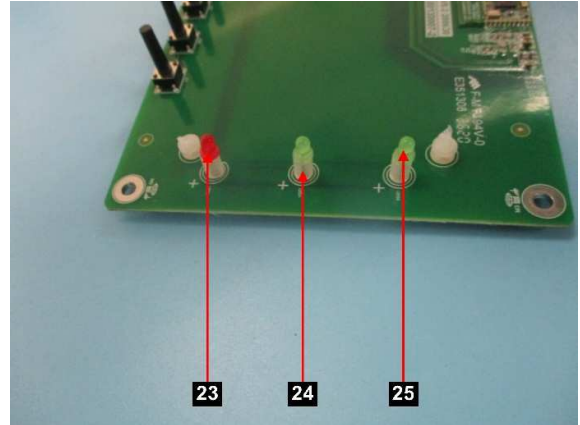
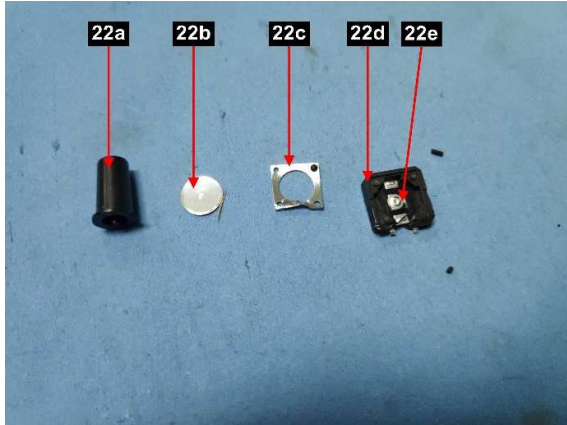
**XRF Screening And Chemical Confirmation Test Report**



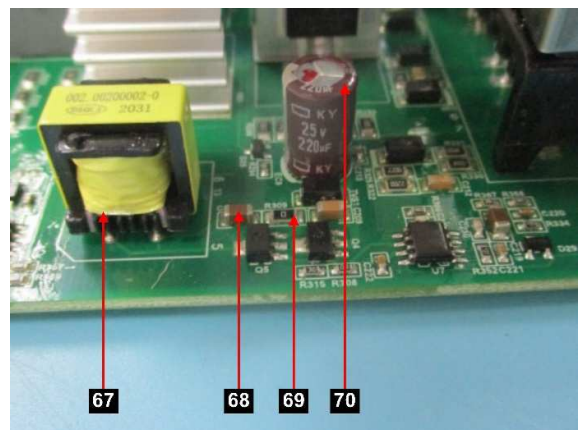
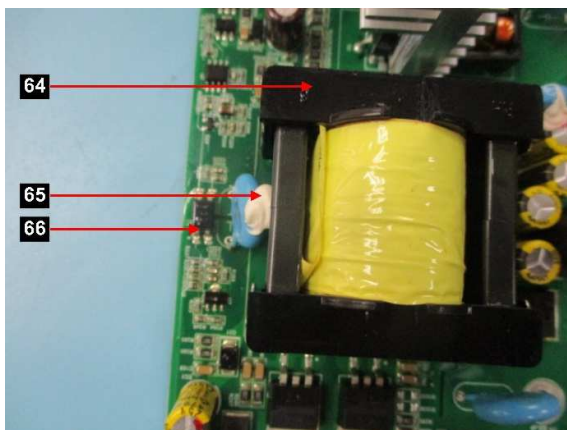
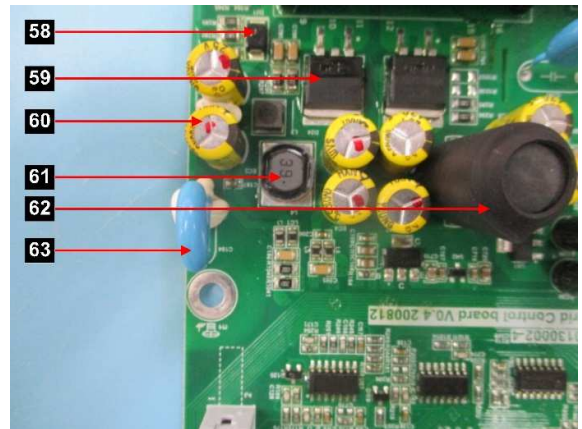
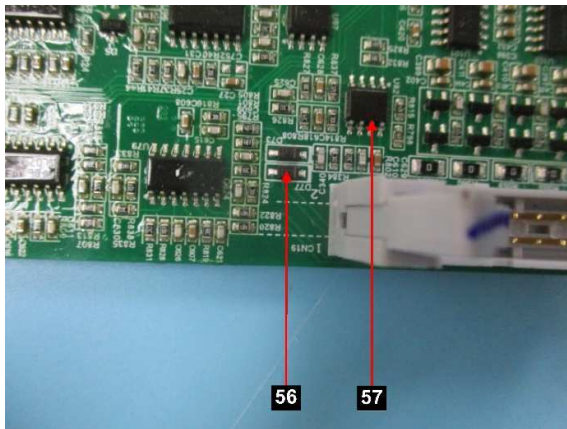
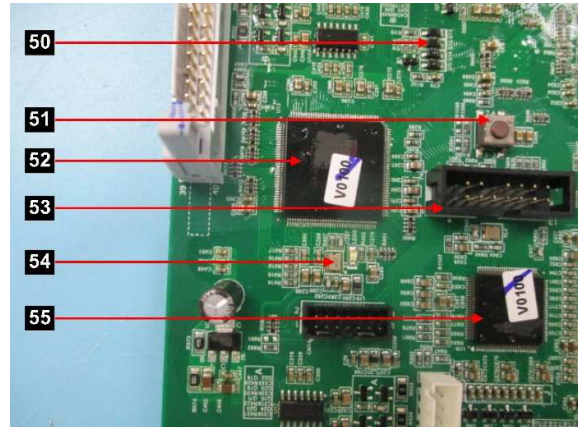
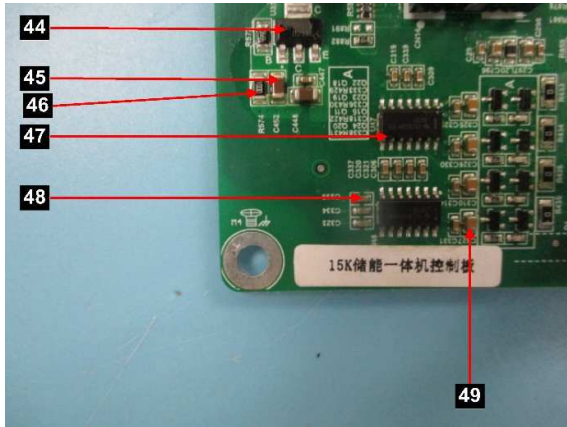
**XRF Screening And Chemical Confirmation Test Report**

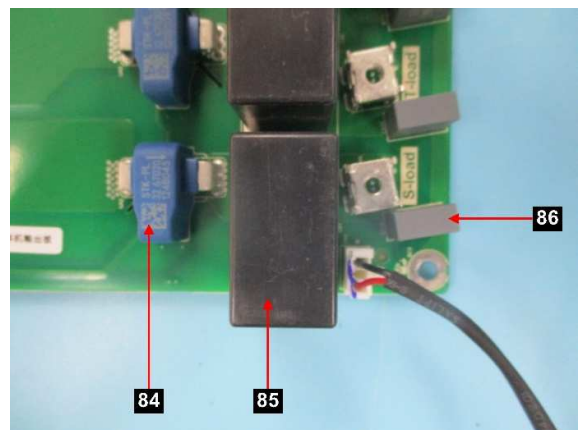
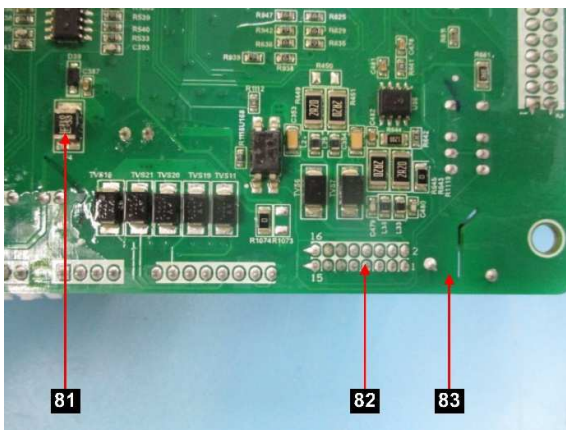
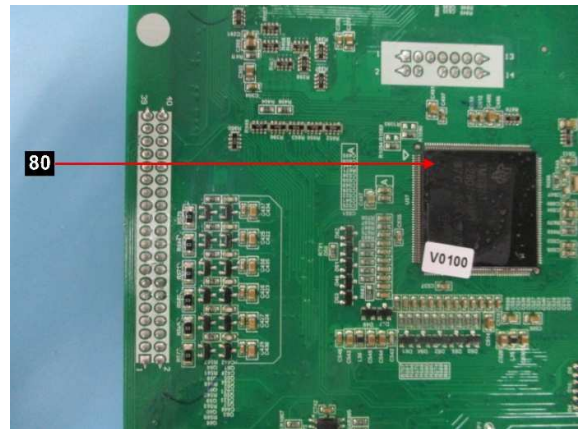
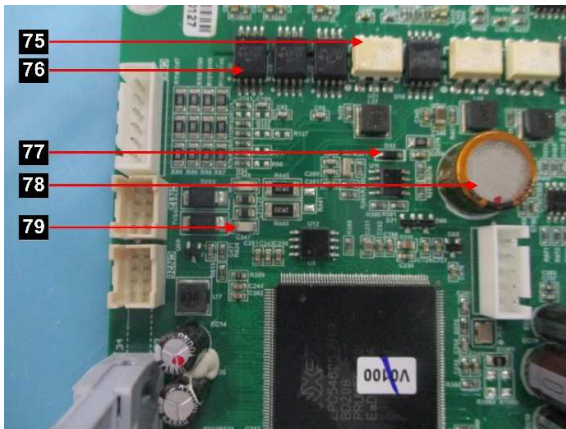
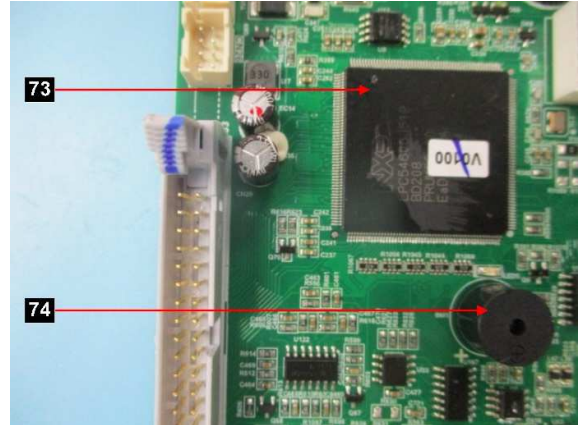
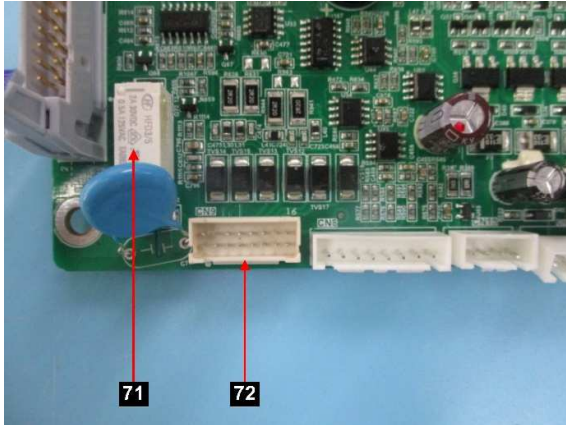


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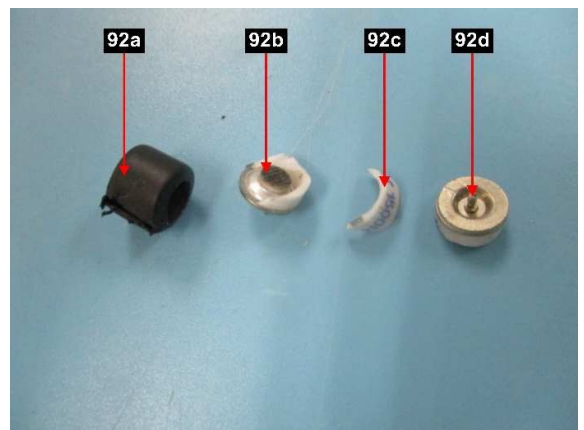
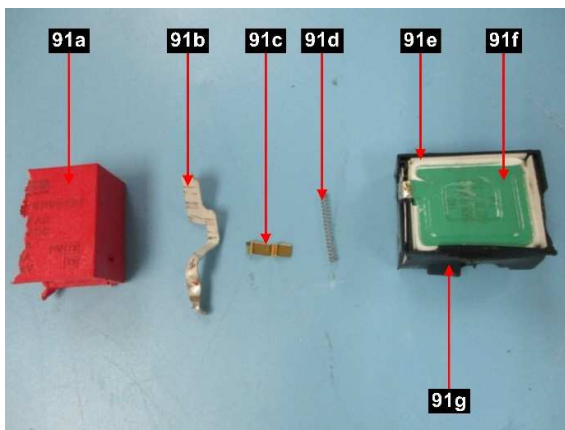
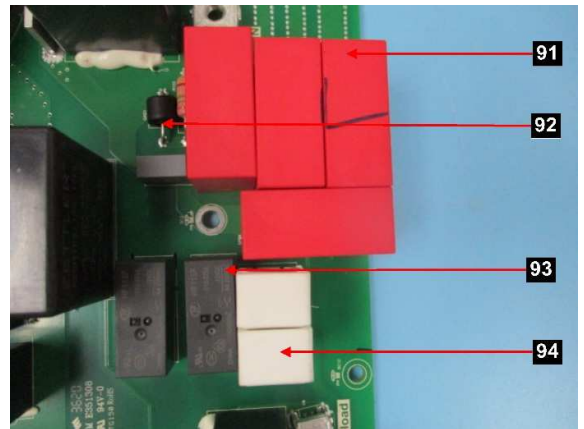
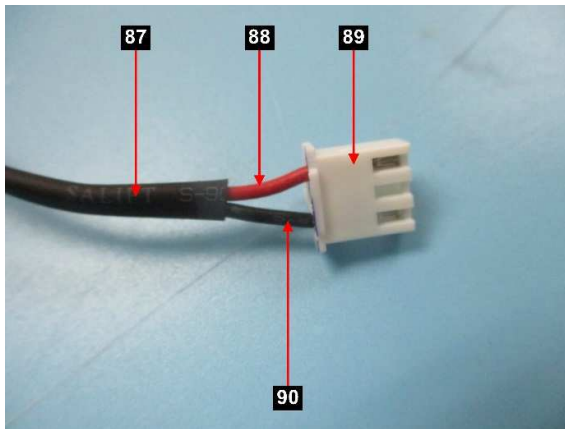
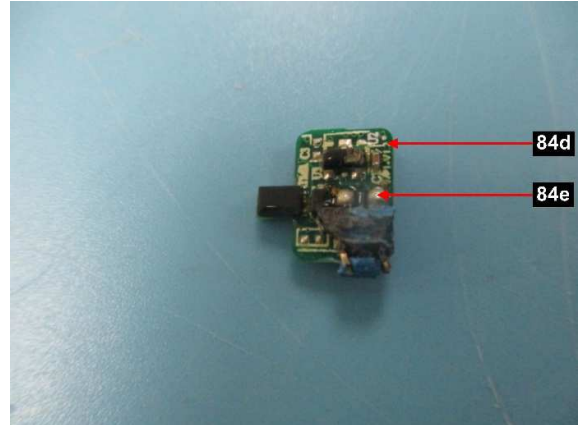
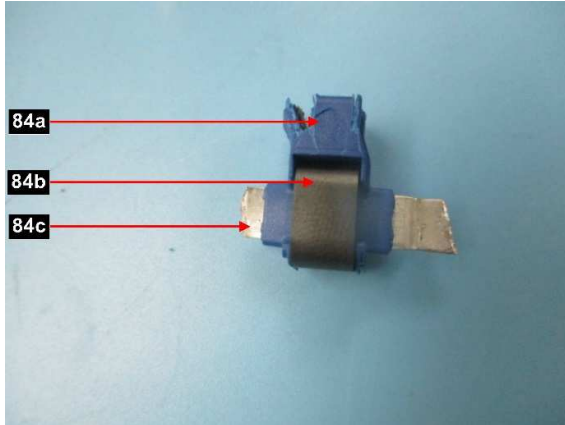


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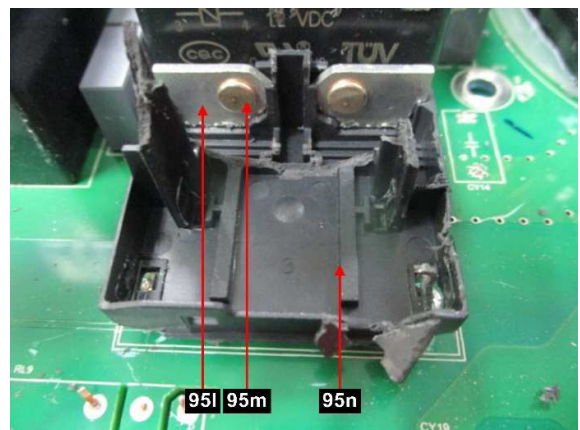
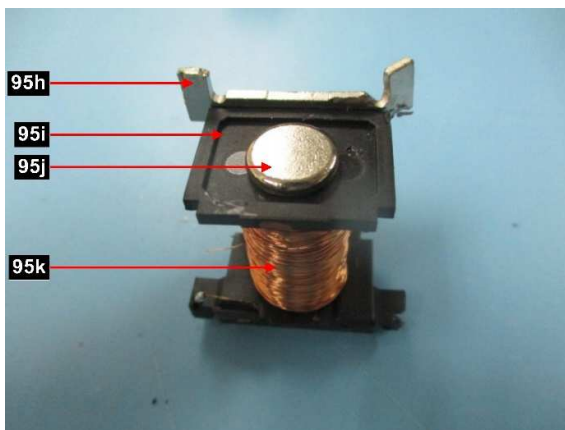
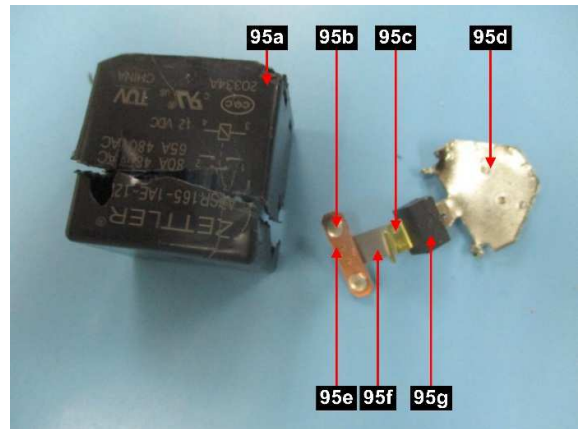
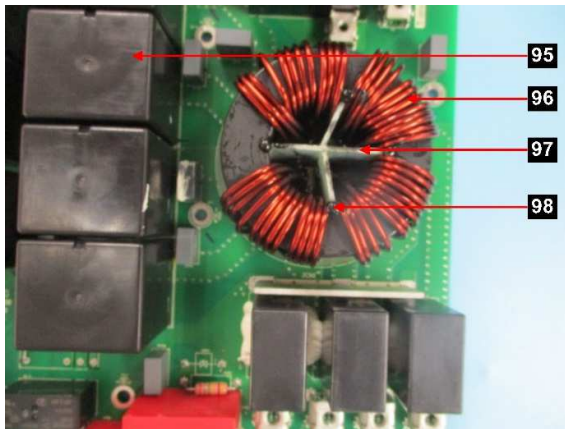
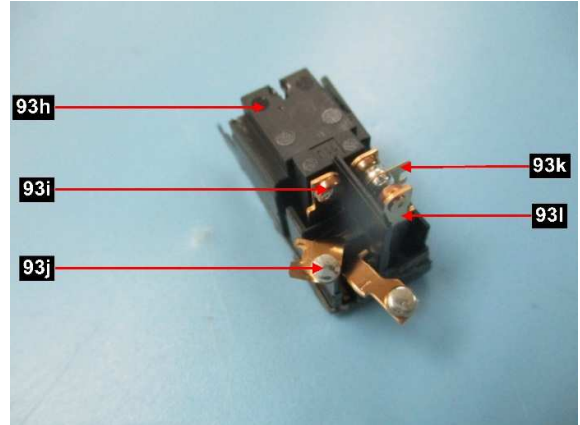
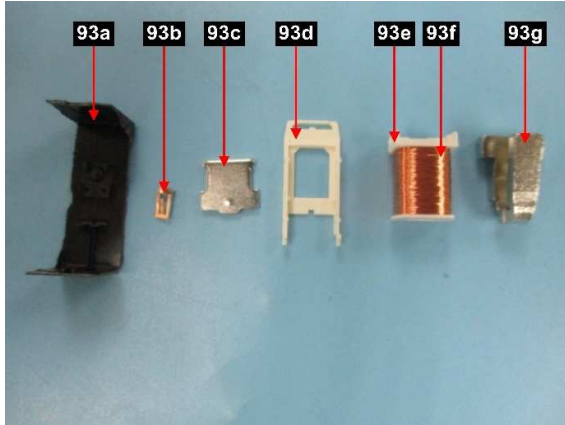


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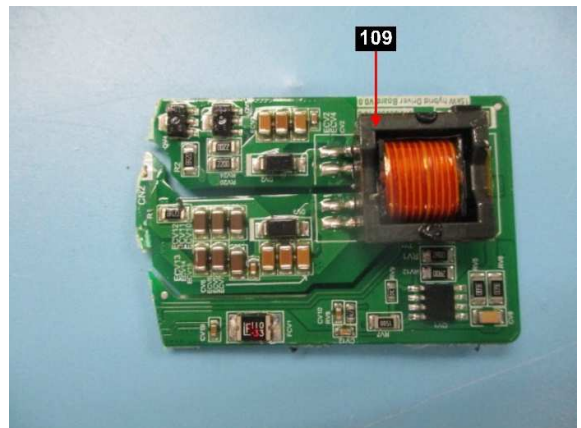
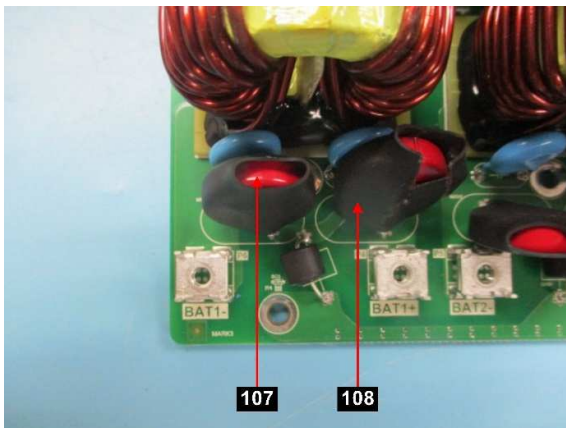
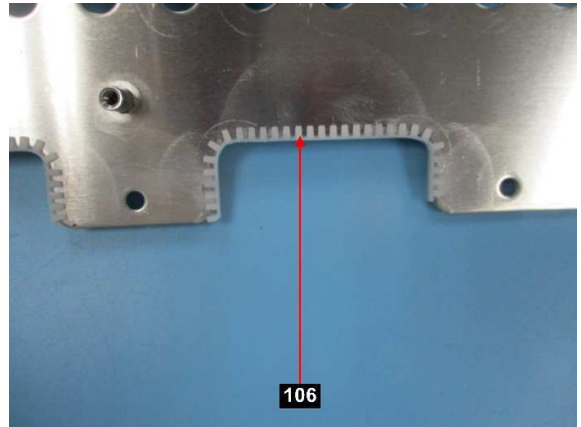
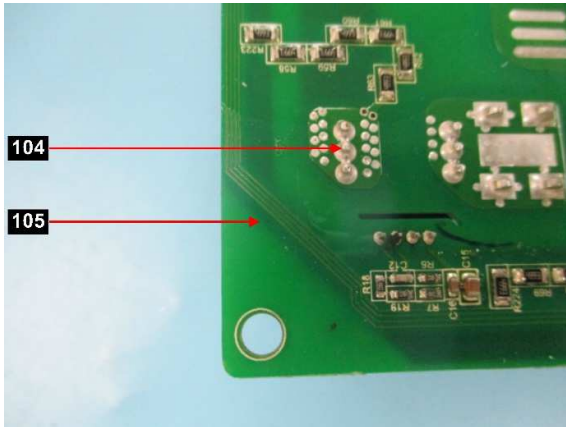
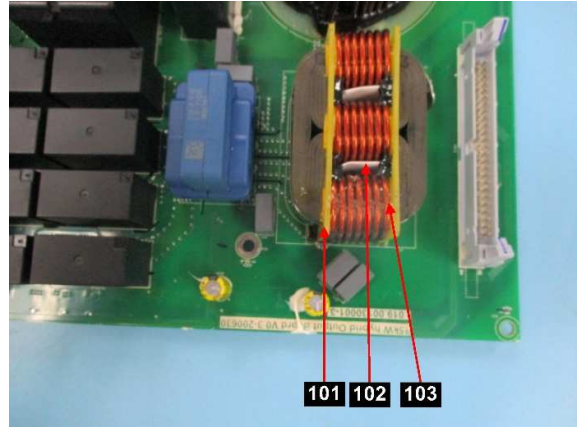
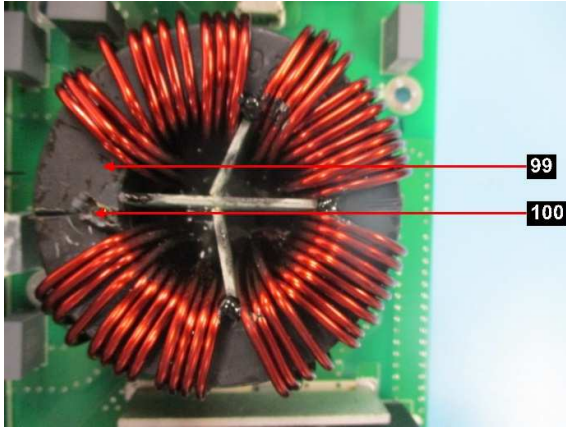




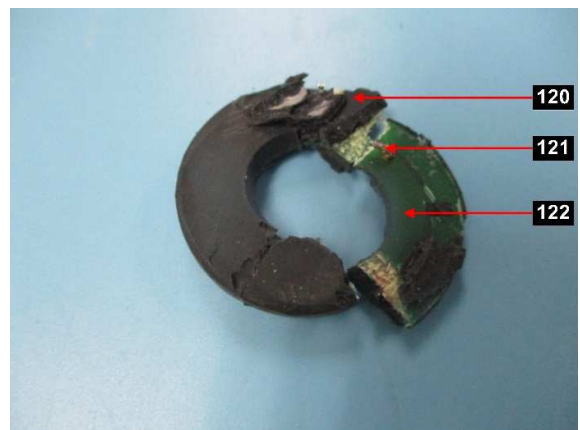
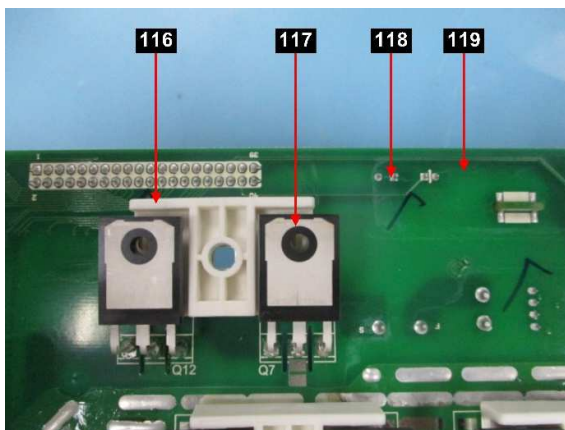
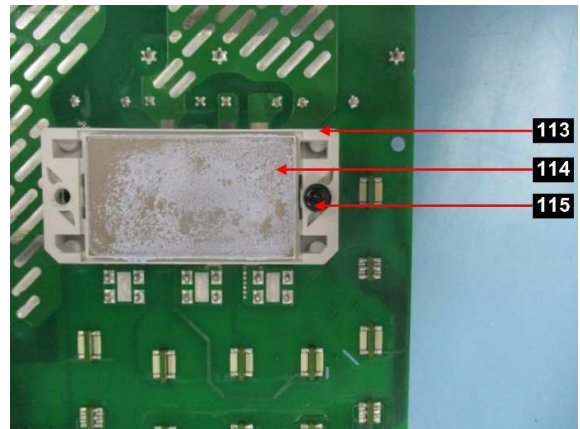
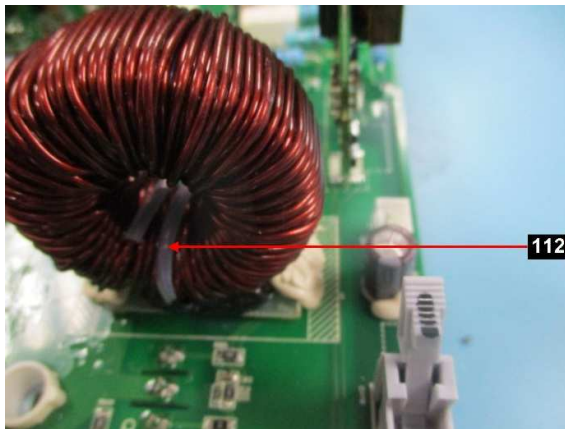
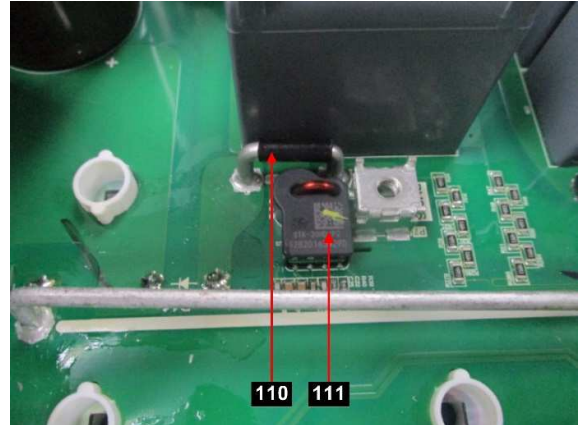
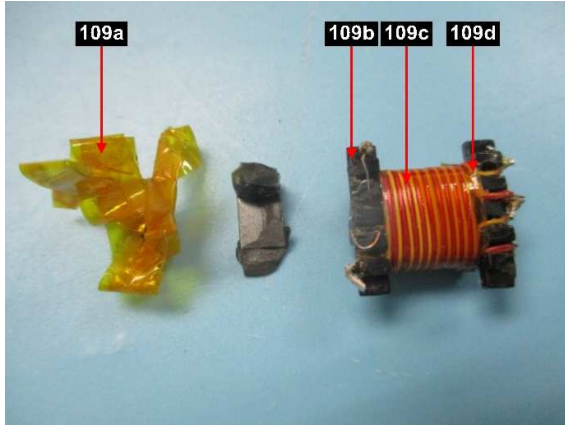
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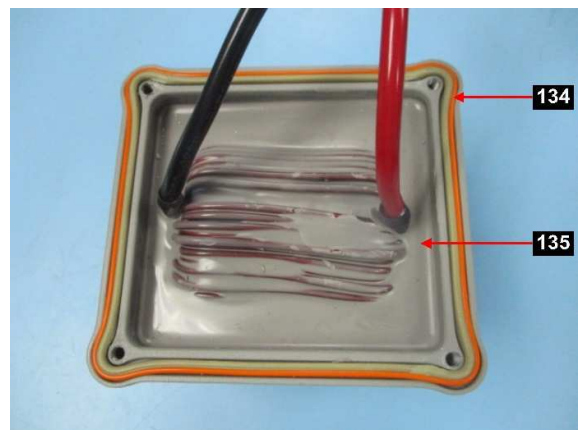
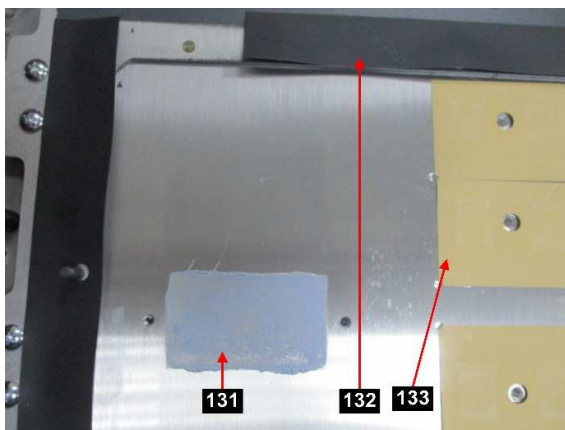
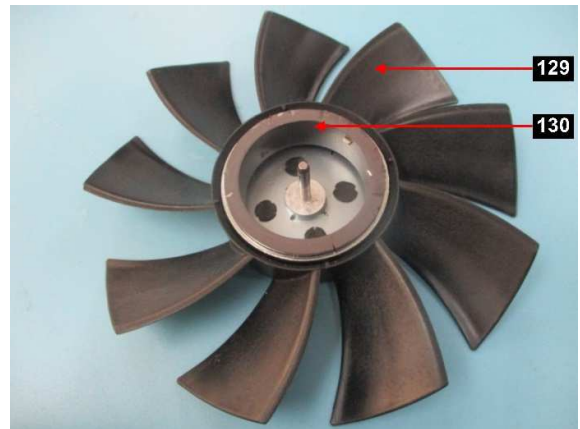
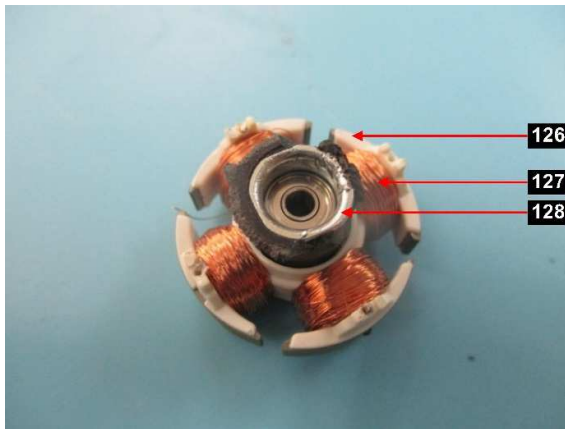
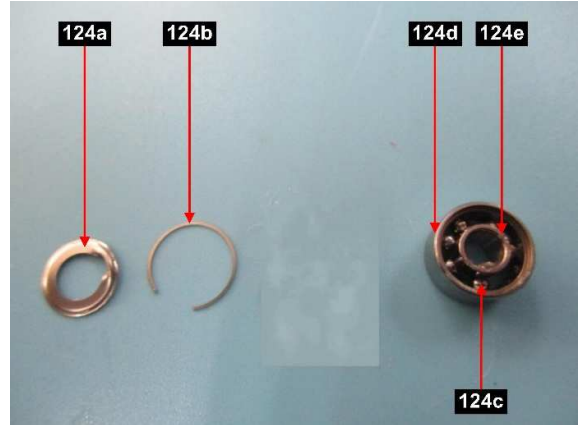
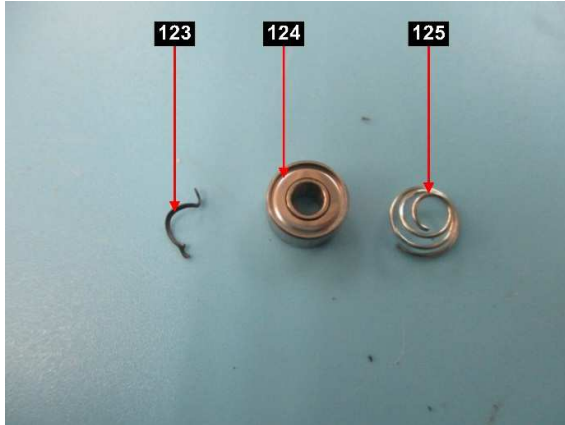
**XRF Screening And Chemical Confirmation Test Report**



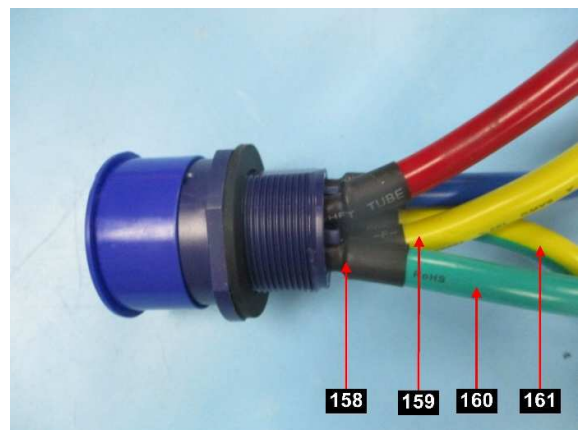
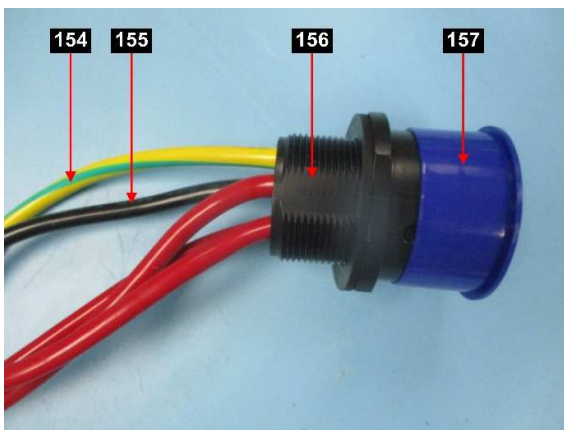
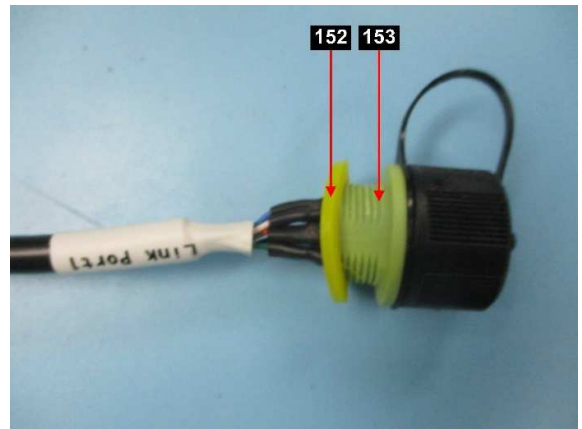
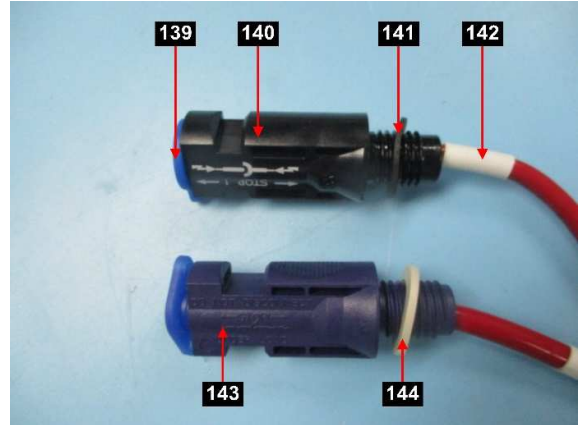
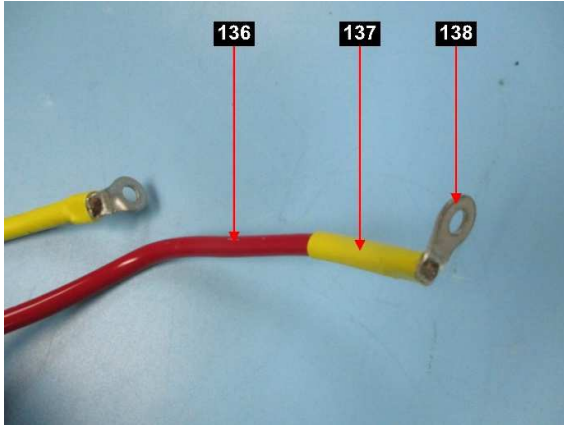
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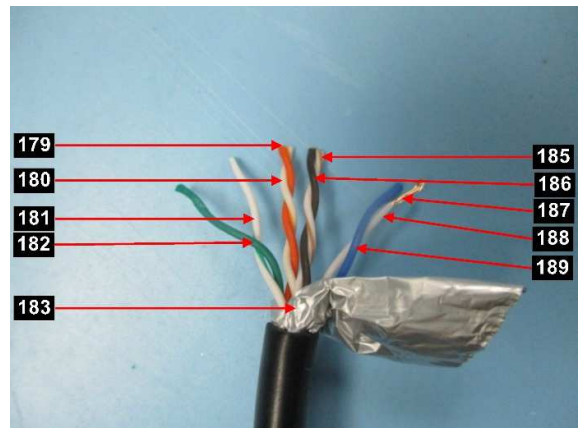
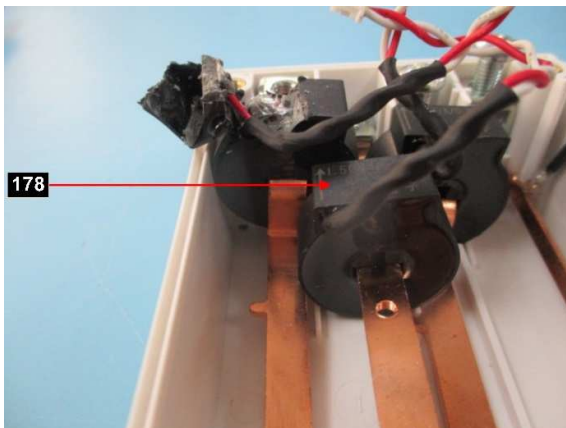
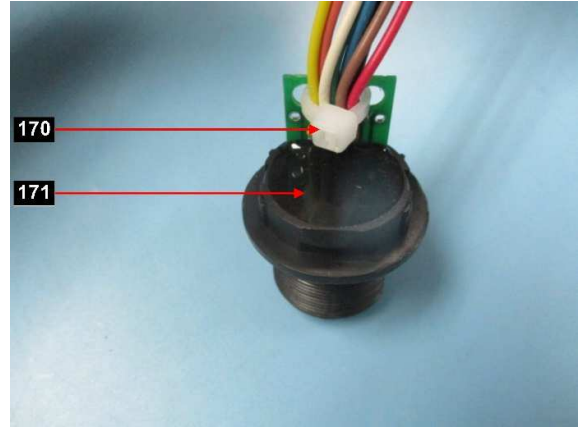
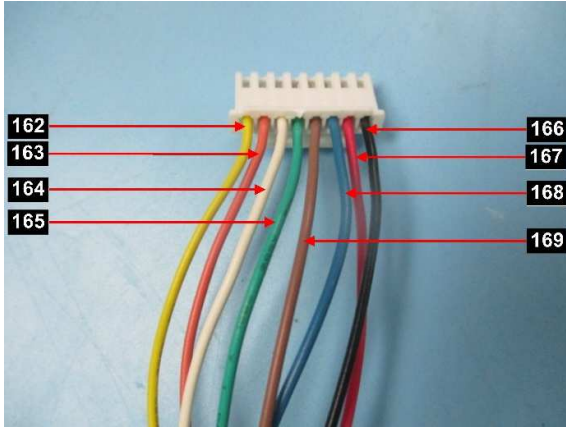
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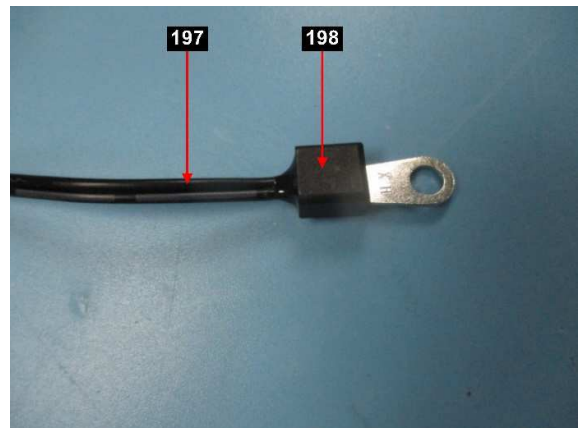
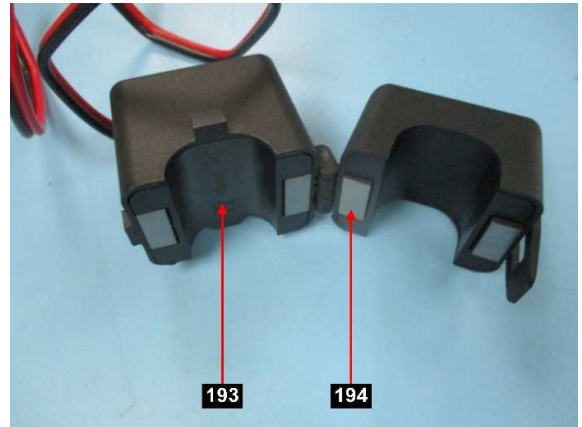
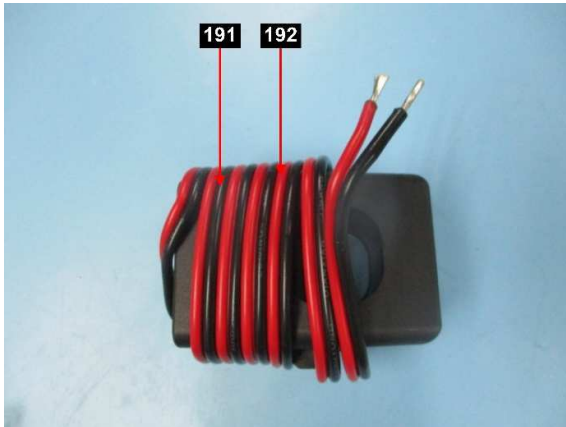
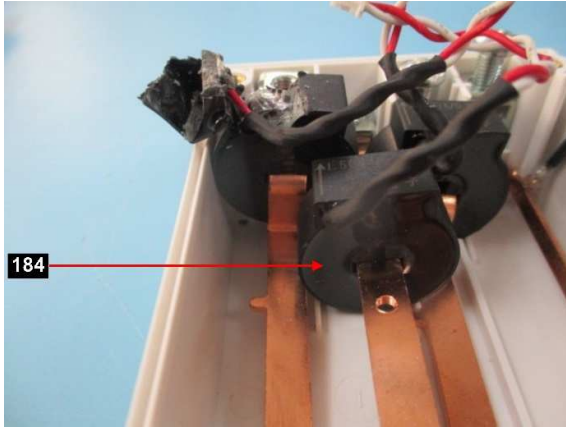
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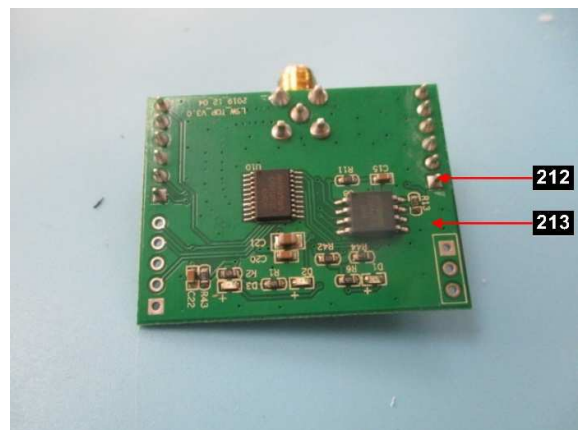
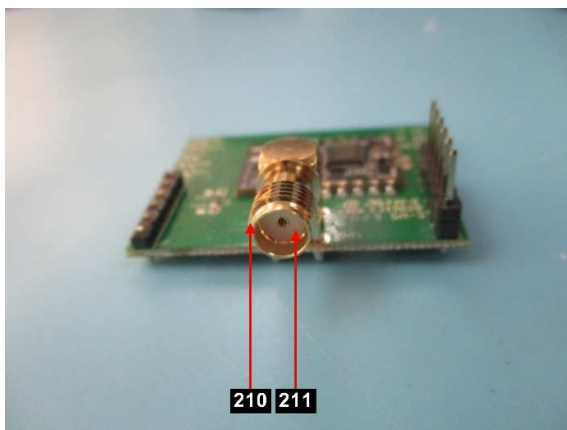
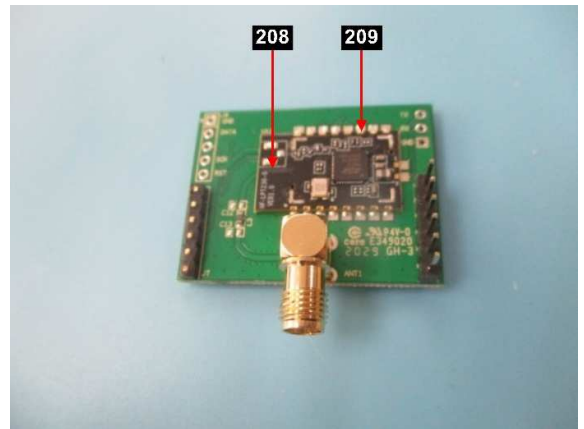
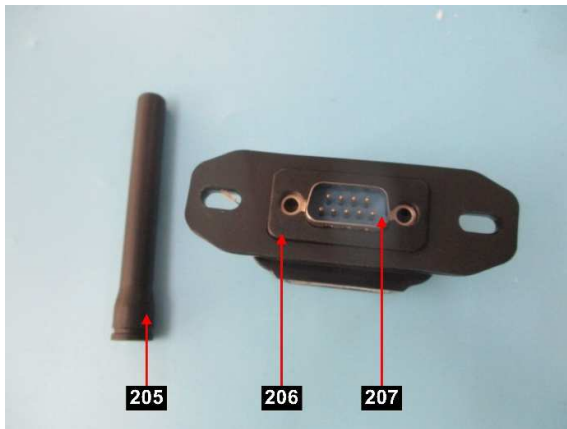
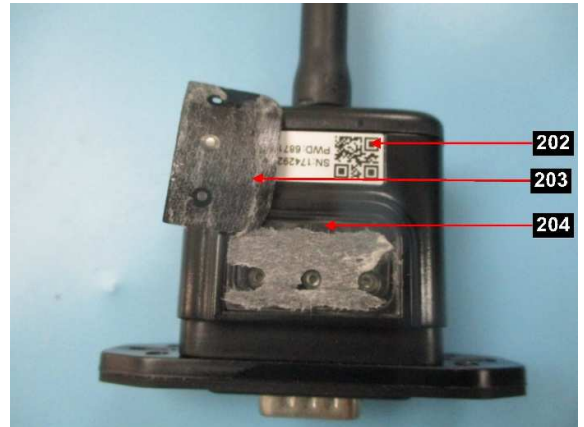
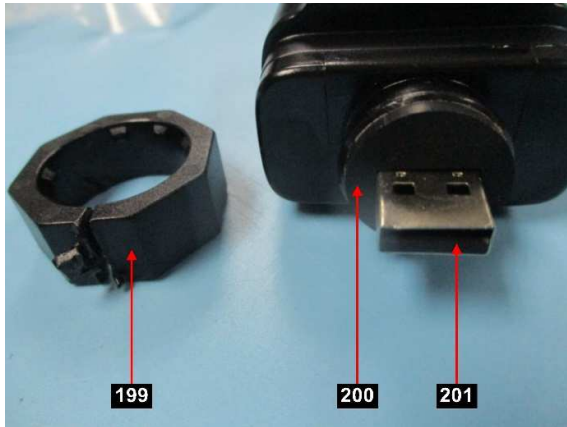
**XRF Screening And Chemical Confirmation Test Report**



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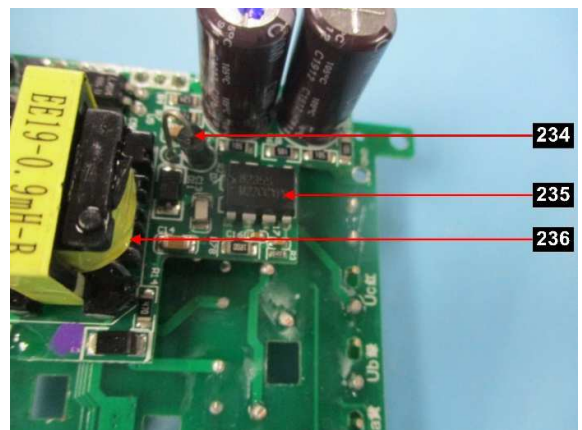
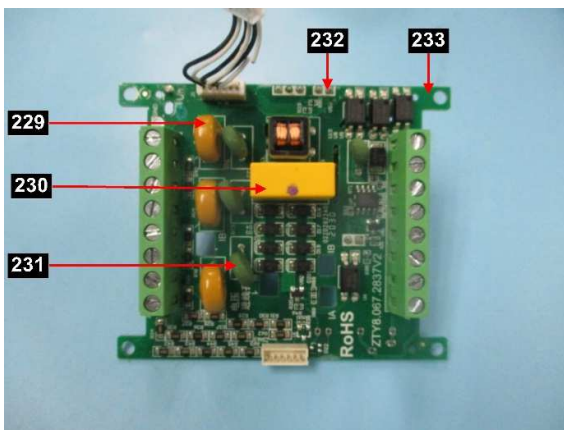
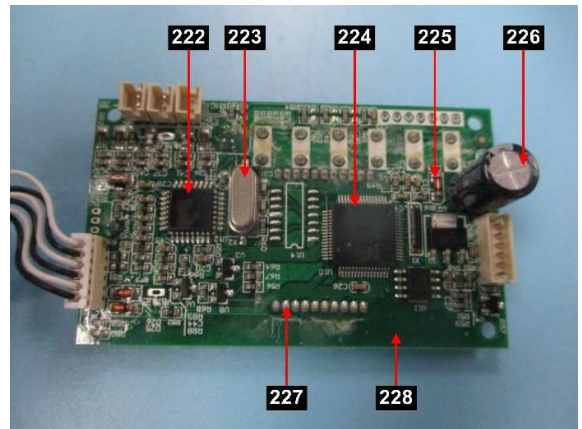
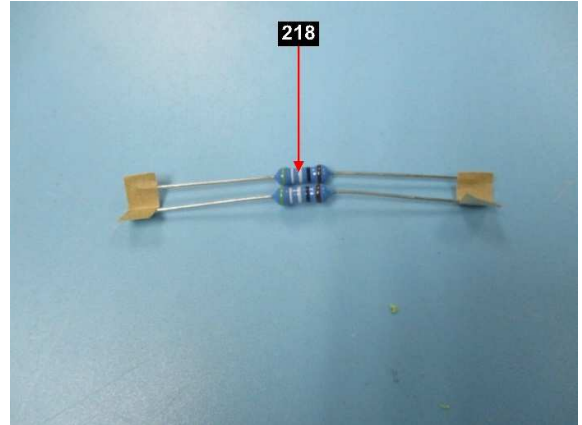
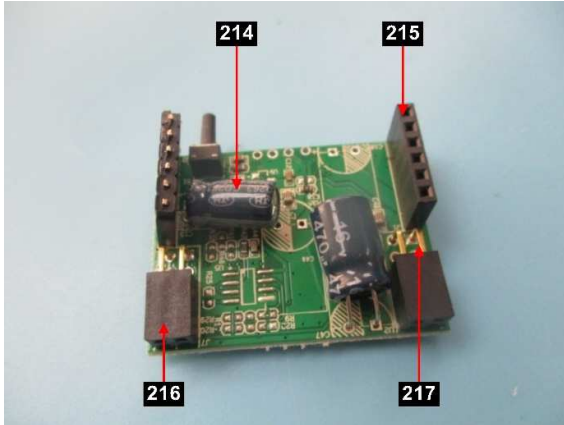


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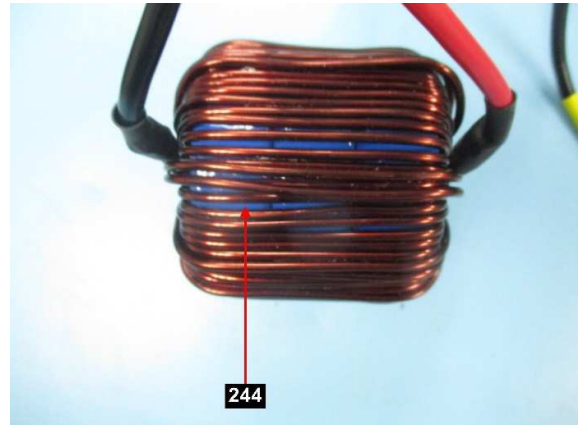
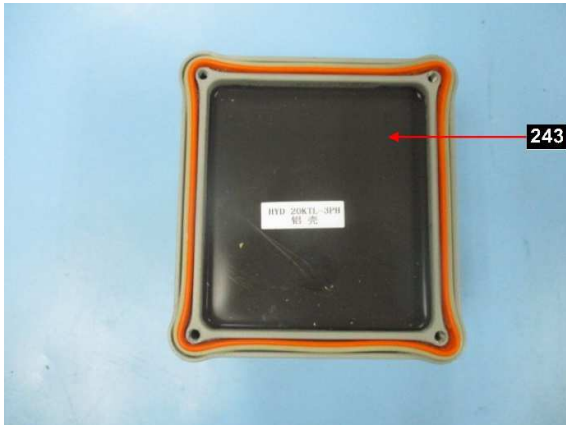
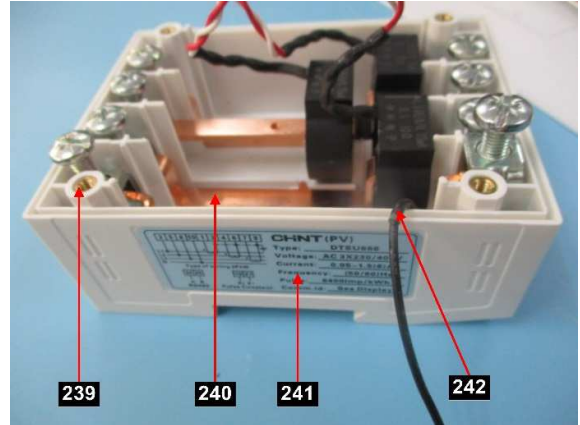
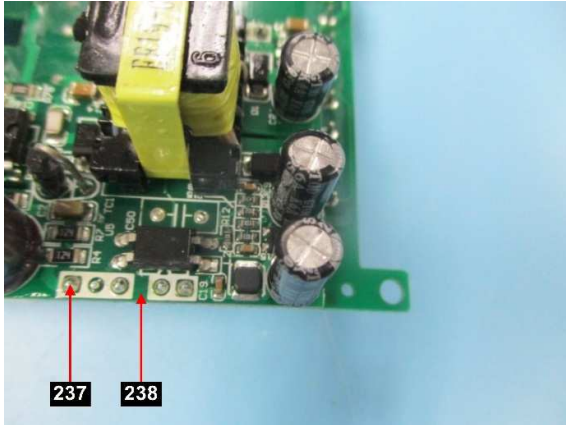




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End of report

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