

XRF Screening and Chemical Confirmation Test Report

Jmatek limited

Applicant:

Suite 808A, Tower A, Manulife Financial Centre, 223-231 Wai
Yip Street, Kwun Tong, Hong Kong

Sample Description:

The following submitted sample(s) said to be:

Item Name : **Air cooler**
Model No. : TC10PE/PM, TC10PCEU
Date of Sample Received : Mar 18, 2019, Apr 06, 2019, Apr 19, 2019 & May 15, 2019
Testing Period : Mar 18, 2019 to May 20, 2019

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

Authorized by:

For Intertek Testing Services Shenzhen Ltd. Guangzhou Branch:



Michael Pang
Assistant Technical Supervisor



XRF Screening and Chemical Confirmation Test Report

Certain Hazardous Substance in Electrical and Electronic Equipment

Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr) and Bromine (Br) content were measured with reference to IEC 62321-3-1 Edition 1.0: 2013 by XRF spectroscopy and chemical confirmation test for RoHS restricted substances. 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	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
2	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	
3	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	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	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
8	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
9	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
13	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
14	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
15	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
16	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
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	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
21	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	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	
24	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
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	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
27	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	



XRF Screening and Chemical Confirmation Test Report

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	



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
37	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
38	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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	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
41	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
42	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
43	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
44	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
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	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
47a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
47b	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
47c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
47d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
47e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
48a	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
48b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Detected		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
48c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
48d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
48e	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
49a	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	
49b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
49c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	Detected		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
50	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
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	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
53	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
54	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
55	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
56	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
57	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
58	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
59	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	
60	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	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	



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
63	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
64	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	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
66	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
67	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	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
69	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
70	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
71	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
72	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
73	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
74	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	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
75	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
78	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
79	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
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	NT		
	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	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
84	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	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
87	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	
88	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
89	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
90	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
91	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
92	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
93	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
94	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
95	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	836mg/kg
	BBP			ND
	DBP			ND
	DIBP			ND
96	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
97	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
98	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
99	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
100	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
101	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
102	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
103	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
104	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
105	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
106	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
107	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
108	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
109	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
110	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
111	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
112	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
113	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
114	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
115	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
116	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
117	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
118	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
119a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
119b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
119c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
119d	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
119e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
119f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
119g	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
120	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
121	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
122	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	



XRF Screening and Chemical Confirmation Test Report

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



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
129	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
130	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
131	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
132	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
133	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
136	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
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	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
139	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	
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	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
	DIBP		NA	
144	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
145	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
146	Cd	ND	NA	Pb: 19886mg/kg ^{#1}
	Pb	>1300mg/kg		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
147	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
148	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
149	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
150	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
151	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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	



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
153	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	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	
156	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
157	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
158a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
158b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
158c	Cd	ND	NA	Cr ⁶⁺ : 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
158d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
158e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
158f	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
158g	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
158h	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	
159	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
160	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
161	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
162	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
170	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
171	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	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	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
173	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
174	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
175a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
175b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
	DIBP		NA	
176a	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
176b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
176c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
176d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
176e	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
176f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
176g	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
176h	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	
177a	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
177b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
178a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
178b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
179a	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
179b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
179c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
179d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
179e	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
179f	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
179g	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
180a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
180b	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
180c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
180d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
180e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
181a	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	



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
181b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
182a	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	
182b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
183a	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
183b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
184	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
185a	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	
185b	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
186a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
186b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
187a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
187b	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
187c	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
187d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
187e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
188a	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
188b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
188c	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	
188d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
	DIBP		NA	
189a	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
189b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
190	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
191	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
192	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
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	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
195	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	
196	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
197	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
198a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
198b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
199	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
200	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
201	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
202	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
203	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
204	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
205a	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
205b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
	DIBP		NA	
205c	Cd	ND	NA	Cr ⁶⁺ : 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
205d	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
205e	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
205f	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
205g	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
205h	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
206	Cd	ND	NA	Cr ⁶⁺ : Negative
	Pb	ND		
	Hg	ND		
	Cr	Inconclusive		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
207	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
208	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
209	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
210	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
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	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
213	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
214	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
215	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
216	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			236mg/kg
	DIBP			ND



XRF Screening and Chemical Confirmation Test Report

Screened Components	Items	XRF Results	Screened Results (phthalates)	Chemical Confirmation Result
217	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
218	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	BL	NT
	BBP		BL	
	DBP		BL	
	DIBP		BL	
219	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP		NA	
	DBP		NA	
	DIBP		NA	
220a	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
220b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
221a	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	
221b	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
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	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
224	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	
225	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
226	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
227	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
228	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	ND		
	DEHP	NA	NT	ND
	BBP			ND
	DBP			ND
	DIBP			ND
229	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	DEHP	NA	NA	NA
	BBP			
	DBP			
	DIBP			
230	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
231	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
	Cr	ND		
	Br	NT		
	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			

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

ND = Not detected

NT = Not tested

Negative = The Cr (VI) concentration is less than 0.10 µg/cm². 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 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 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

No.: 190318045GZU-001

Date: May 21, 2019

Appendix:

Testing Item	Result			
	(50)	(59)	(195)	(196)
Polybrominated Biphenyls (PBBs)(mg/kg)				
Monobromobiphenyl (MonoBB)	ND	ND	ND	ND
Dibromobiphenyl (DiBB)	ND	ND	ND	ND
Tribromobiphenyl (TriBB)	ND	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND	ND	ND
Polybrominated Diphenyl Ethers (PBDEs)(mg/kg)				
Monobromodiphenyl Ether (MonoBDE)	ND	ND	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	ND	ND
Decabromodiphenyl Ether (DecaBDE)	16	123	240	115



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:

Testing Item	Testing Method	Reporting 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 ⁶⁺) 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 ⁶⁺) 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 ²
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 ⁶⁺)	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) Semi-transparent plastic with white printing
- (2) White soft plastic
- (3) Silvery metal (screw)
- (4) White plastic label with black printing
- (5) Black plastic
- (6) Black plastic
- (7) White plastic
- (8) Silvery metal (screw)
- (9) Silvery metal (screw)
- (10) Black plastic
- (11) White plastic
- (12) White plastic
- (13) Silvery metal
- (14) Silvery metal
- (15) Black plastic
- (16) Silvery metal
- (17) Black plastic
- (18) Silvery metal (screw)
- (19) White plastic with black printing
- (20) Black plastic
- (21) Black treated metal (screw)
- (22) Black plastic
- (23) Black plastic
- (24) Black plastic
- (25) Black plastic
- (26) Black coating on metal
- (27) Silvery metal excluding coating
- (28) White plastic
- (29) Brown paper
- (30) White plastic
- (31) White nylon
- (32) White plastic
- (33) White plastic
- (34) White plastic
- (35) Semi-transparent white soft plastic
- (36) Black adhesive foam
- (37) Silvery plastic label with black printing
- (38) Black plastic
- (39) Black plastic
- (40) Black magnet
- (41) Silvery metal
- (42) White plastic



XRF Screening and Chemical Confirmation Test Report

- (43) White plastic
- (44) White plastic
- (45) Black plastic
- (46) Black glue
- (47) Switch
- (47a) Black plastic
- (47b) White plastic
- (47c) Golden metal
- (47d) Black plastic
- (47e) Copper color metal
- (48) Switch
- (48a) Black plastic
- (48b) Black plastic
- (48c) Golden metal
- (48d) Black plastic
- (48e) Copper color metal
- (49) Capacitor
- (49a) Grey plastic with white printing
- (49b) Silvery electrolytic paper
- (49c) Black glue
- (50) Black plastic
- (51) Black plastic
- (52) Silvery metal
- (53) Black soft plastic
- (54) White plastic
- (55) Black treated metal
- (56) Silvery metal
- (57) Silvery metal (screw)
- (58) Silvery metal
- (59) Black soft plastic
- (60) Silvery metal (screw)
- (61) Black plastic
- (62) Black plastic
- (63) Black plastic
- (64) Black plastic
- (65) White plastic
- (66) Silvery metal (screw)
- (67) Silvery plastic label with black printing
- (68) Grey metal
- (69) Silvery metal
- (70) Silvery metal
- (71) Grey metal
- (72) White plastic
- (73) Silvery metal



XRF Screening and Chemical Confirmation Test Report

- (74) Silvery metal
- (75) Silvery metal (spring)
- (76) White plastic
- (77) Grey metal
- (78) White plastic
- (79) White plastic
- (80) White plastic
- (81) Silvery metal
- (82) Silvery metal
- (83) Black plastic
- (84) Black magnet
- (85) White plastic
- (86) White plastic
- (87) White plastic
- (88) Copper color metal wire
- (89) Solder
- (90) Silvery metal
- (91) Silvery metal (screw)
- (92) Silvery metal (screw)
- (93) Silvery metal
- (94) Silvery plastic label with black printing
- (95) Black soft plastic
- (96) Bright black coating on metal
- (97) Silvery metal excluding coating
- (98) Black treated metal (screw)
- (99) Black treated metal
- (100) Silvery metal excluding coating
- (101) Silvery metal
- (102) Black treated metal
- (103) Dark brown material
- (104) Light copper color metal
- (105) Silvery metal
- (106) Beige plastic
- (107) Silvery metal
- (108) Off-white plastic
- (109) Silvery metal with green printing
- (110) White plastic
- (111) Silvery metal
- (112) Beige string
- (113) Copper color metal wire
- (114) Yellow fiberboard
- (115) White plastic
- (116) Semi-transparent beige tape
- (117) Beige plastic



XRF Screening and Chemical Confirmation Test Report

- (118) White-red fiberglass
- (119) A-g
- (119a) Transparent plastic
- (119b) Silvery metal
- (119c) Silvery metal
- (119d) Silvery metal (point)
- (119e) Silvery metal with dark purple printing
- (119f) Black plastic
- (119g) Silvery-copper color metal
- (120) Red plastic (wire covering)
- (121) Solder
- (122) Silvery metal wire
- (123) Black plastic with white printing
- (124) Black plastic with white printing (wire covering)
- (125) Red plastic with black printing (wire covering)
- (126) White plastic with black printing (wire covering)
- (127) Blue plastic with white printing (wire covering)
- (128) Red-brown plastic with white printing (wire covering)
- (129) Silvery metal wire
- (130) Black plastic with white printing (wire covering)
- (131) Silvery metal wire
- (132) White plastic
- (133) Silvery metal
- (134) Blue plastic (wire covering)
- (135) Brown plastic (wire covering)
- (136) Copper color metal wire
- (137) Black plastic
- (138) Black plastic
- (139) White soft plastic
- (140) Black plastic
- (141) Dark blue plastic (wire covering)
- (142) Dark brown plastic (wire covering)
- (143) Copper color metal wire
- (144) Black plastic
- (145) Light black plastic
- (146) Silvery metal
- (147) Black plastic
- (148) Black plastic
- (149) Silvery metal (screw)
- (150) Black plastic
- (151) Transparent plastic with multicolor printing
- (152) White plastic with pink printing
- (153) Silvery metal wire
- (154) Black plastic with white printing



XRF Screening and Chemical Confirmation Test Report

- (155) Red plastic (wire covering)
- (156) Blue plastic (wire covering)
- (157) Silvery metal wire
- (158) A-h
- (158a) Silvery plastic label with black printing
- (158b) Silvery metal
- (158c) Silvery metal
- (158d) Copper color metal wire
- (158e) Blue adhesive plastic
- (158f) Black treated metal
- (158g) Dark beige adhesive plastic
- (158h) White plastic
- (159) Silvery metal
- (160) White plastic
- (161) White plastic
- (162) Silvery metal
- (163) Red plastic
- (164) Silvery metal
- (165) White plastic
- (166) Red plastic
- (167) Silvery metal
- (168) Blue plastic
- (169) Red plastic
- (170) White plastic
- (171) White plastic
- (172) Semi-transparent yellow glue
- (173) White plastic
- (174) Semi-transparent white plastic
- (175) LED
- (175a) Semi-transparent white plastic
- (175b) Silvery metal (pin)
- (176) A-h
- (176a) Black plastic
- (176b) Black plastic
- (176c) Silvery metal
- (176d) Silvery metal
- (176e) Black magnet
- (176f) Copper color metal wire
- (176g) Silvery metal
- (176h) Green PCB
- (177) IC
- (177a) Black body
- (177b) Silvery metal (pin)
- (178) Resistor



XRF Screening and Chemical Confirmation Test Report

- (178a) Brown ceramic with multicolor printing
- (178b) Silvery metal (pin)
- (179) Capacitor
- (179a) Black plastic with white printing
- (179b) Silvery metal (case)
- (179c) Beige paper (electrolytic paper)
- (179d) Dull silver-grey metal sheet (electrolytic paper)
- (179e) Bright silver-grey metal sheet (electrolytic paper)
- (179f) Black soft plastic
- (179g) Silvery metal (pin)
- (180) Switch
- (180a) Black plastic
- (180b) Silvery metal
- (180c) Golden/silvery metal
- (180d) Black plastic
- (180e) Silvery metal
- (181) Diode
- (181a) Black body
- (181b) Silvery metal (pin)
- (182) LED
- (182a) Semi-transparent green plastic
- (182b) Silvery metal (pin)
- (183) Capacitor
- (183a) Brown ceramic body
- (183b) Silvery metal with solder (pin)
- (184) Silvery metal
- (185) Triode
- (185a) Black body
- (185b) Silvery metal (pin)
- (186) Triode
- (186a) Black body
- (186b) Silvery metal (pin)
- (187) A-e
- (187a) Silvery metal
- (187b) Silvery metal
- (187c) Transparent glass
- (187d) Silvery metal
- (187e) Silvery metal (pin)
- (188) Capacitor
- (188a) Yellow plastic with black printing
- (188b) Silvery electrolytic paper
- (188c) Dark yellow plastic
- (188d) Silvery metal (pin)
- (189) Capacitor



XRF Screening and Chemical Confirmation Test Report

- (189a) Blue body
- (189b) Silvery metal (pin)
- (190) Silvery metal
- (191) Solder
- (192) Green PCB
- (193) Transparent plastic
- (194) Transparent adhesive plastic with multicolor printing
- (195) Black plastic
- (196) Black plastic
- (197) Silvery metal (screw)
- (198) LED
- (198a) Transparent plastic
- (198b) Silvery metal
- (199) Black body with silvery metal (SMD IC)
- (200) Silvery metal
- (201) Silvery metal
- (202) Solder
- (203) Green PCB
- (204) White soft plastic
- (205) A-h
- (205a) White paper label with black printing
- (205b) Silvery metal
- (205c) Silvery metal
- (205d) Brown paper
- (205e) Copper color metal wire
- (205f) Black treated metal
- (205g) White plastic
- (205h) Yellow adhesive plastic
- (206) Silvery metal
- (207) White plastic
- (208) White plastic
- (209) White plastic
- (210) Black soft plastic
- (211) White plastic
- (212) Transparent green glass
- (213) Silvery metal
- (214) Solder
- (215) Silvery metal
- (216) Black plastic with white printing
- (217) Red plastic (wire covering)
- (218) Black plastic (wire covering)
- (219) Copper color metal wire
- (220) Resistor
- (220a) White ceramic with multicolor printing



XRF Screening and Chemical Confirmation Test Report

- (220b) Silvery metal (pin)
- (221) Bridge rectifier
- (221a) Black body
- (221b) Silvery metal (pin)
- (222) White plastic
- (223) Solder
- (224) Green PCB
- (225) Yellow adhesive plastic
- (226) Solder
- (227) Copper color metal wire
- (228) Semi-transparent white plastic
- (229) Silvery metal
- (230) White plastic with black printing (wire covering)
- (231) Silvery metal wire
- (232) Silvery metal



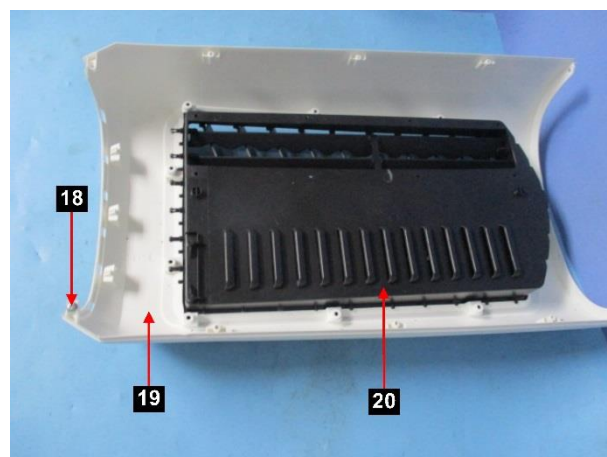
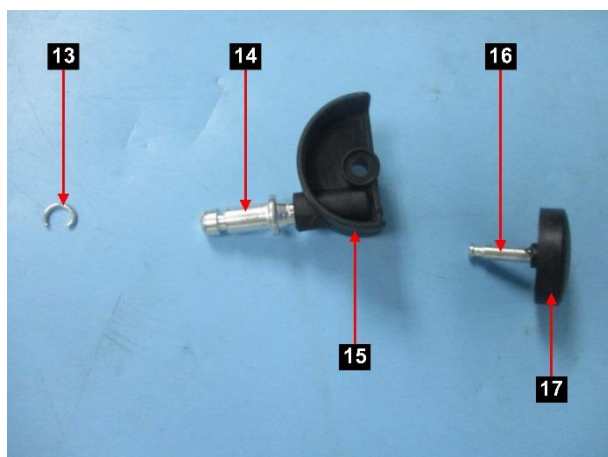
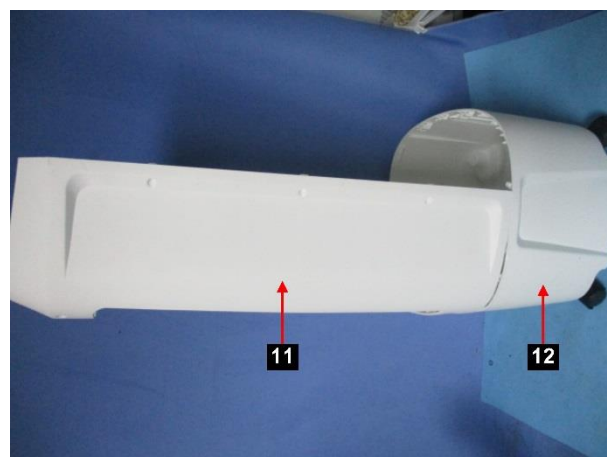
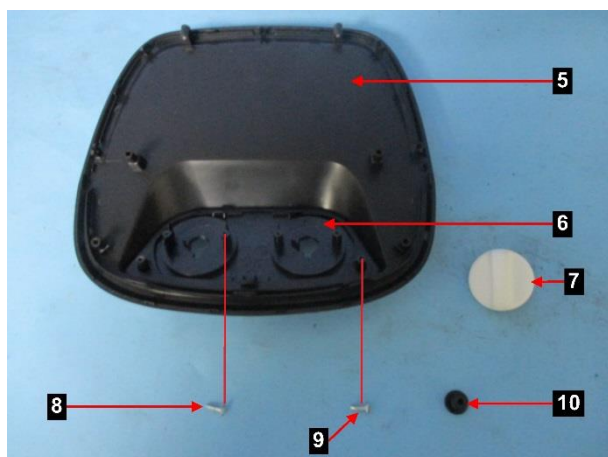
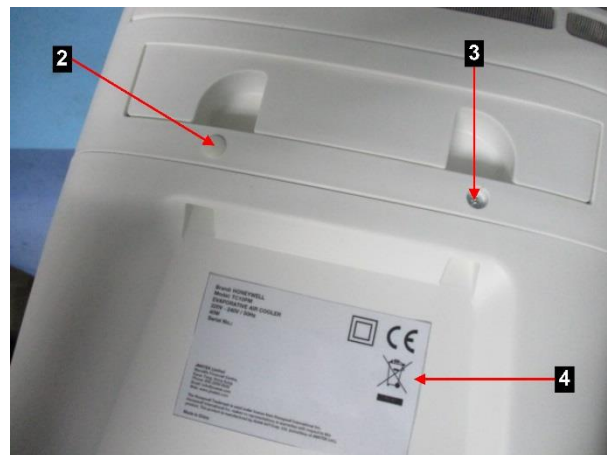
Sample photo

190318045GZU-001-01



190318045GZU-001-02

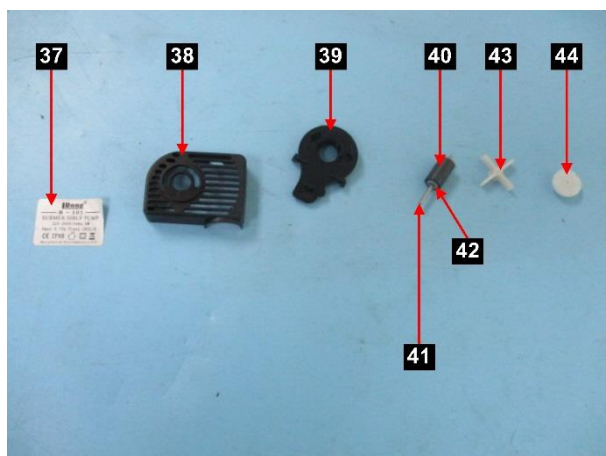
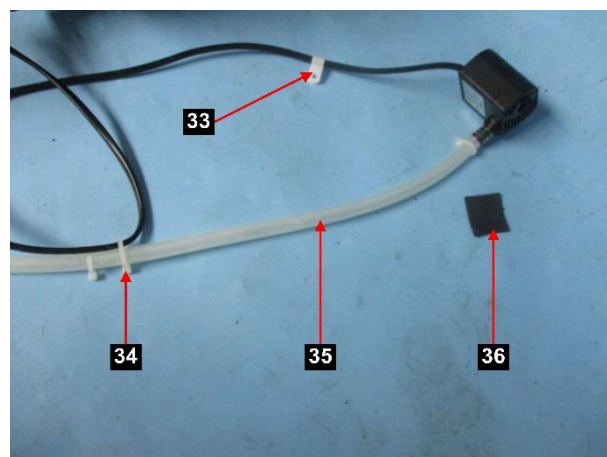
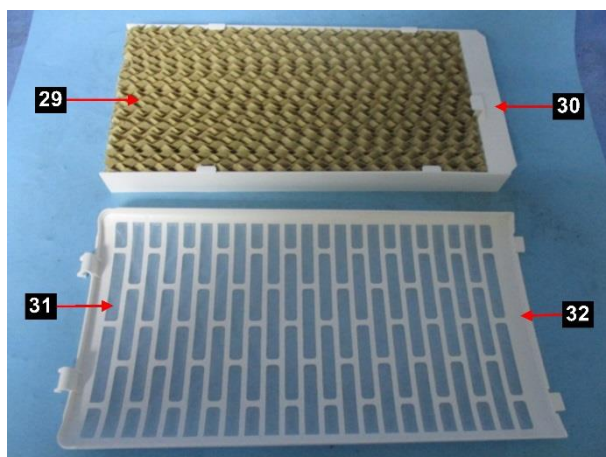
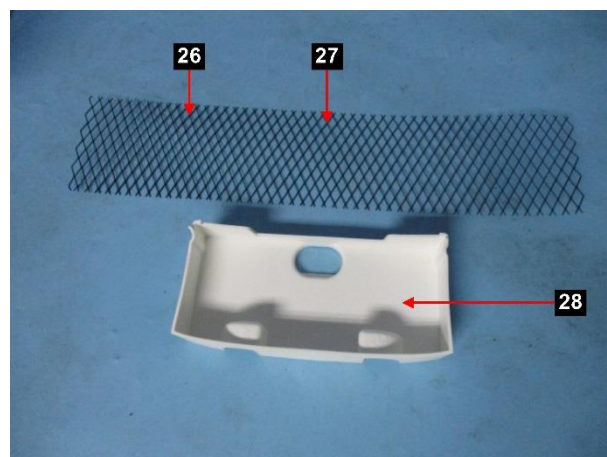
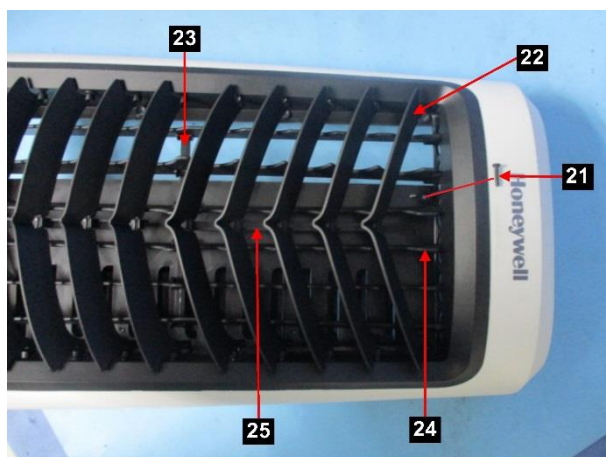


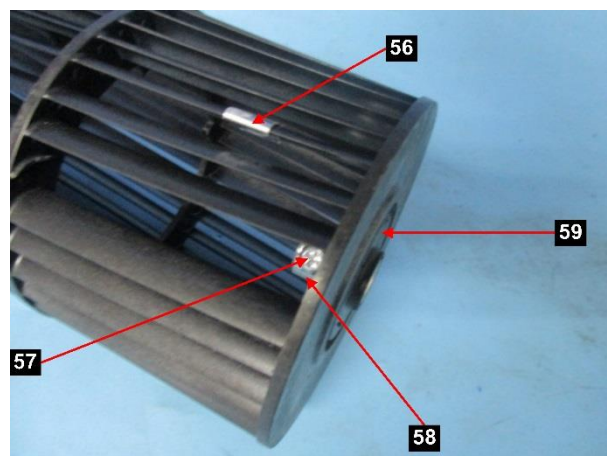
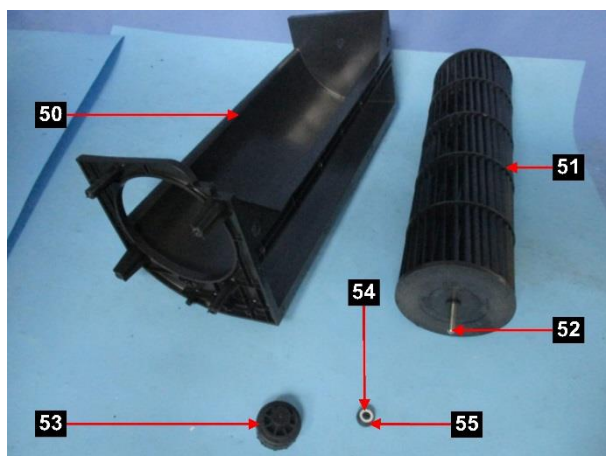
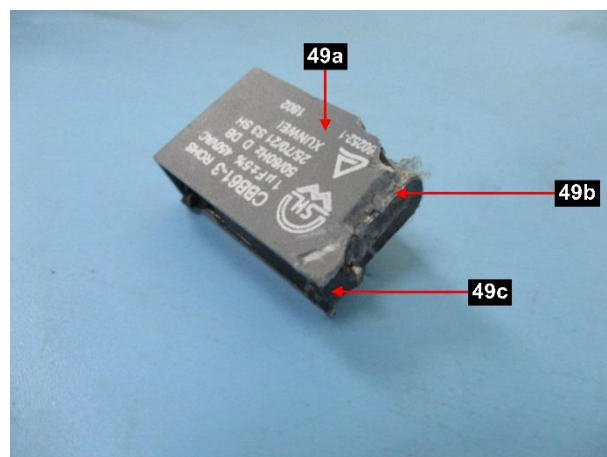
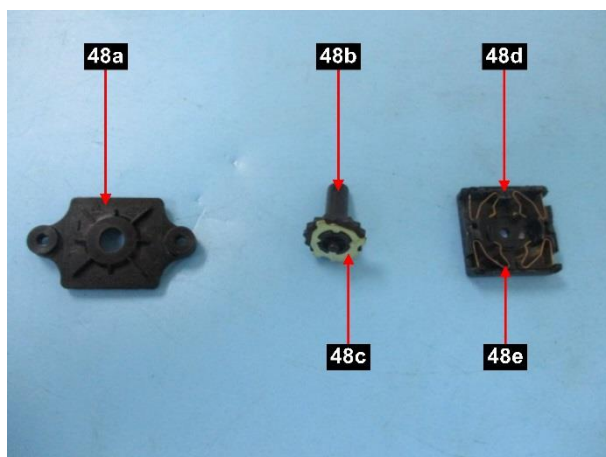
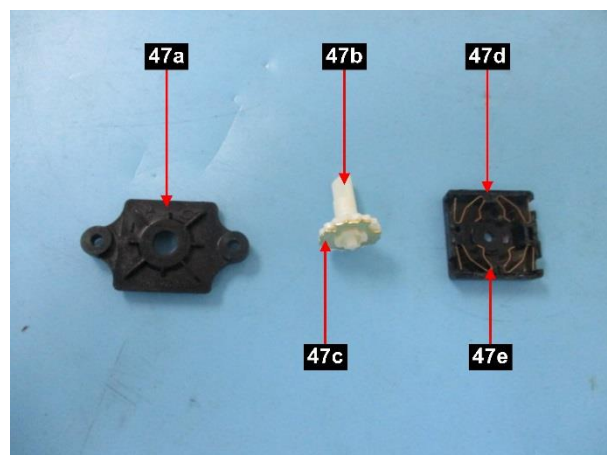
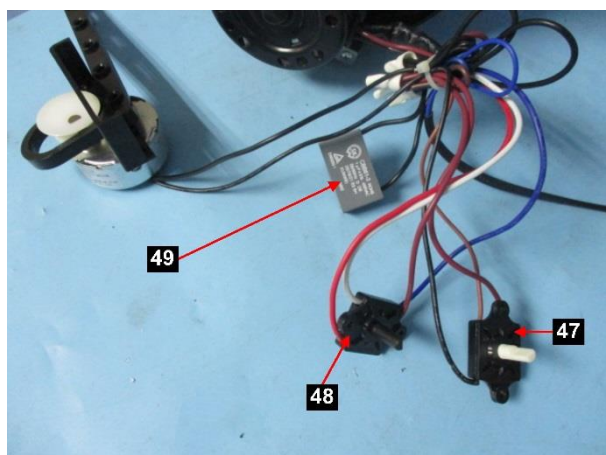


XRF Screening and Chemical Confirmation Test Report

No.: 190318045GZU-001

Date: May 21, 2019

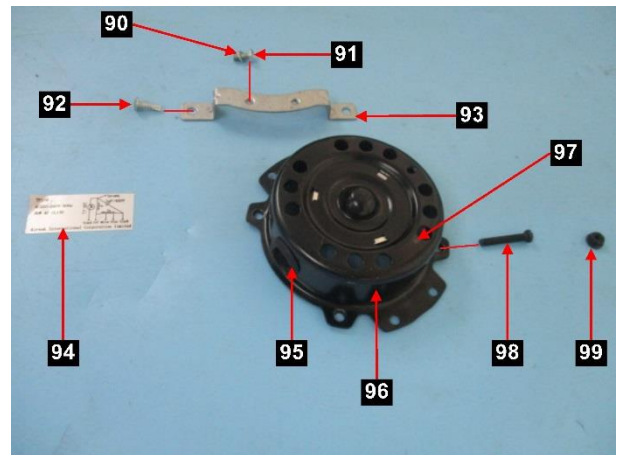
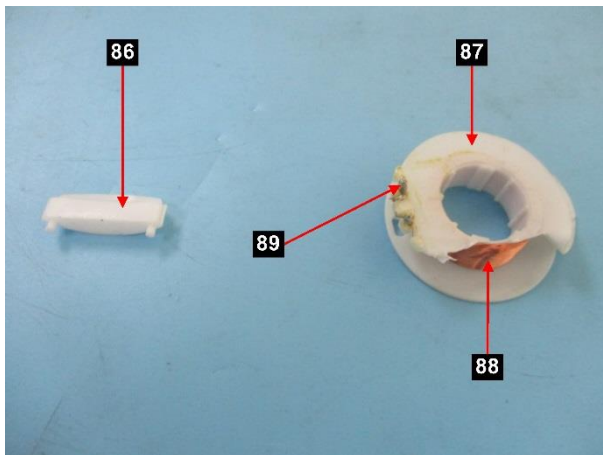
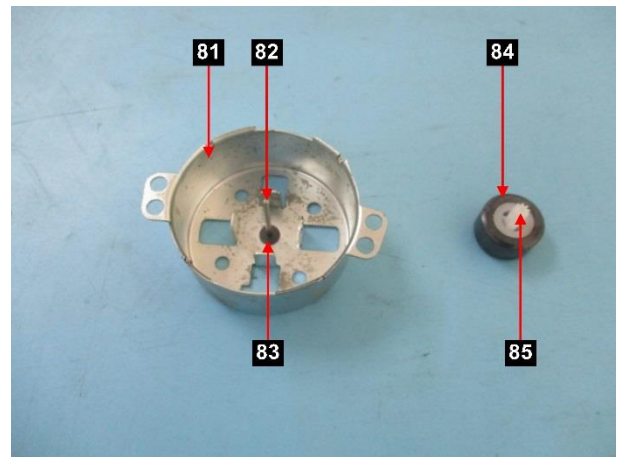
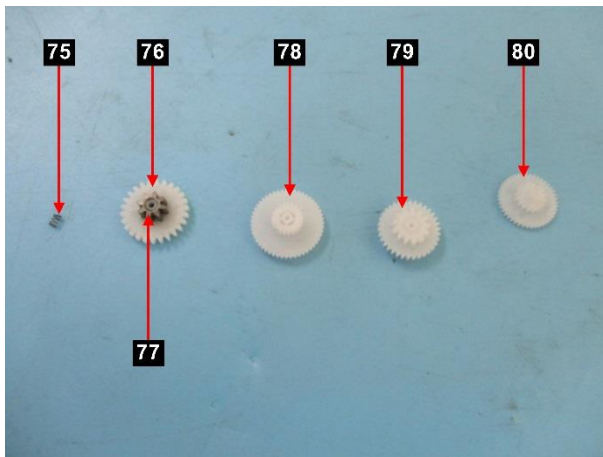
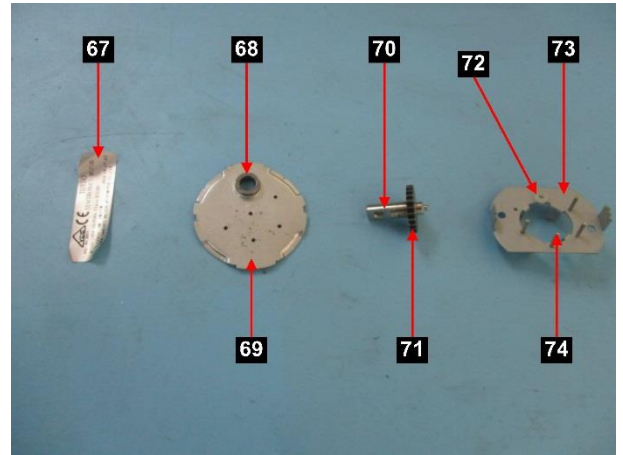
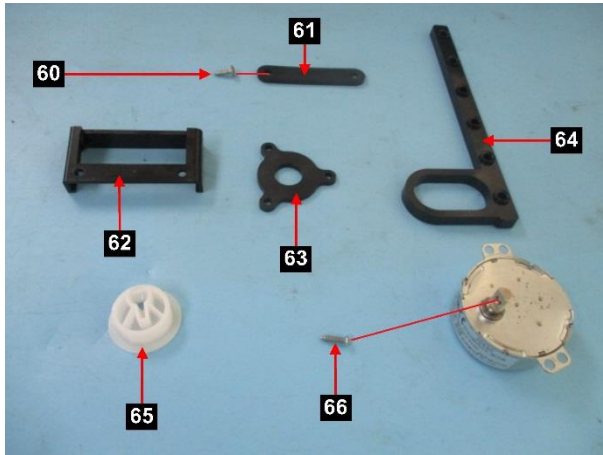




XRF Screening and Chemical Confirmation Test Report

No.: 190318045GZU-001

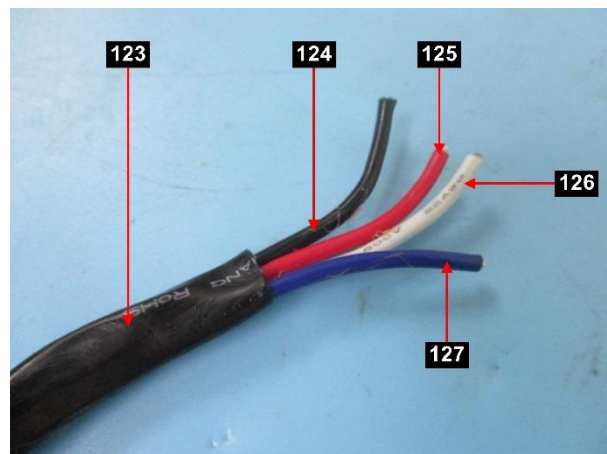
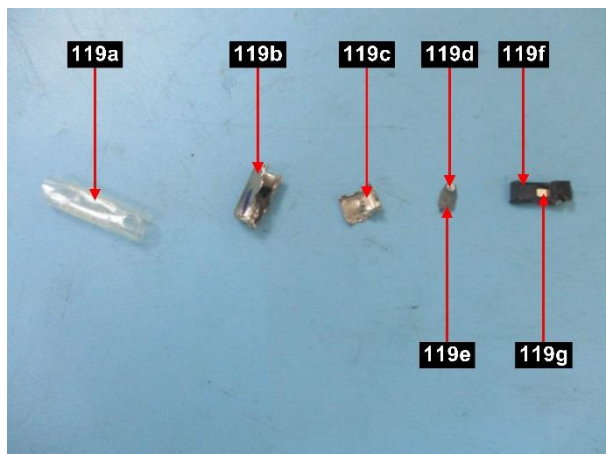
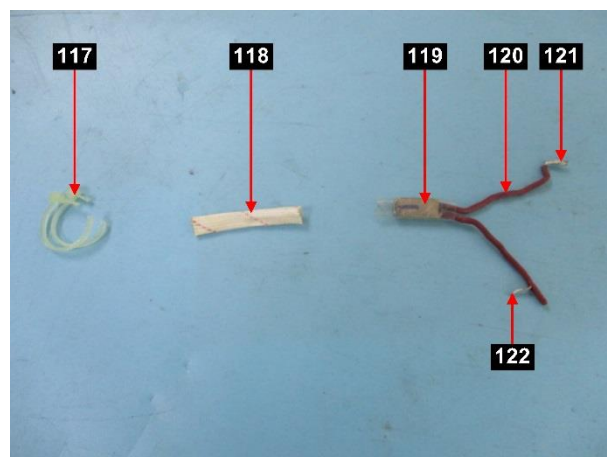
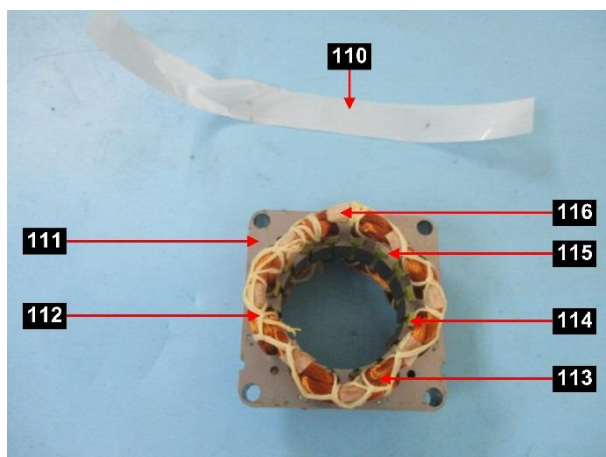
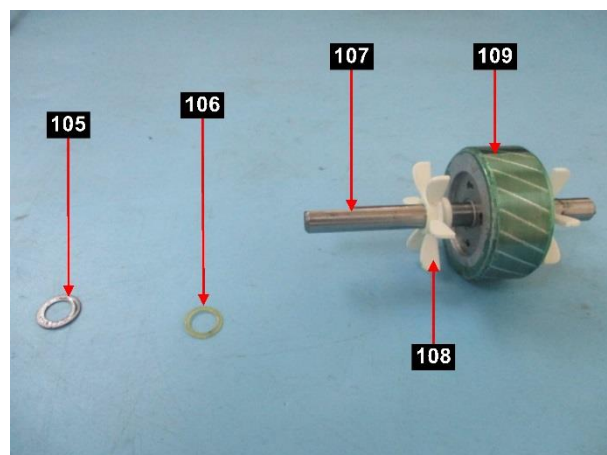
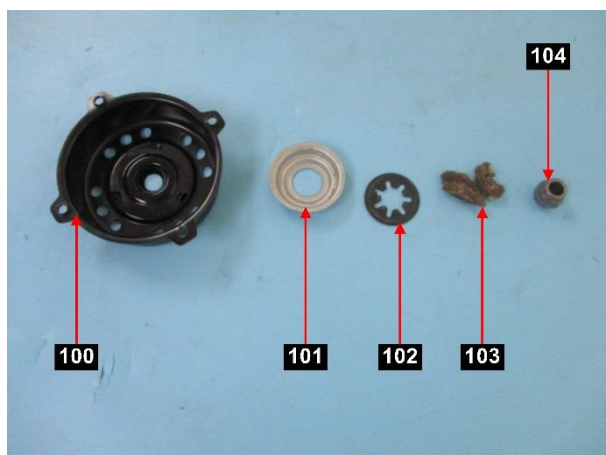
Date: May 21, 2019



XRF Screening and Chemical Confirmation Test Report

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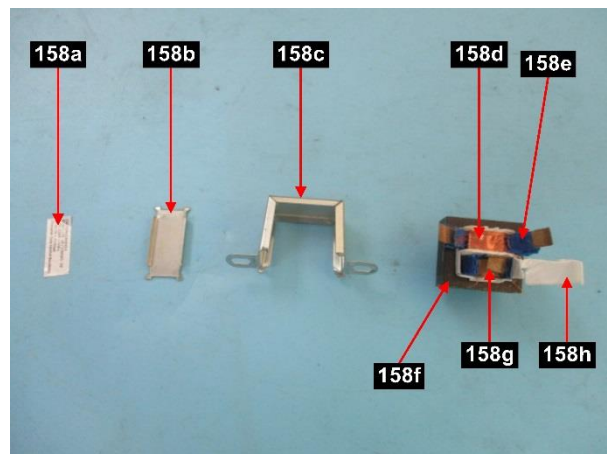
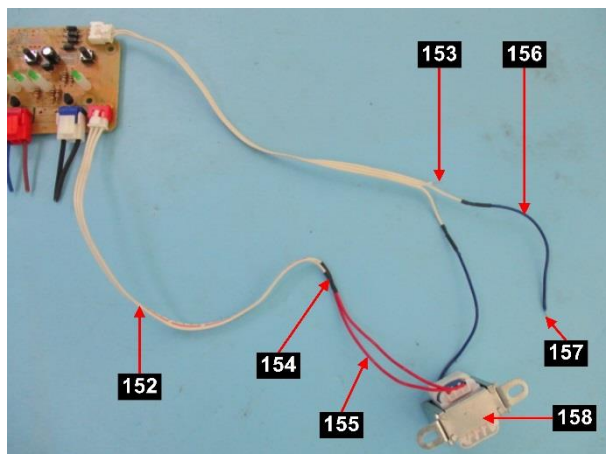
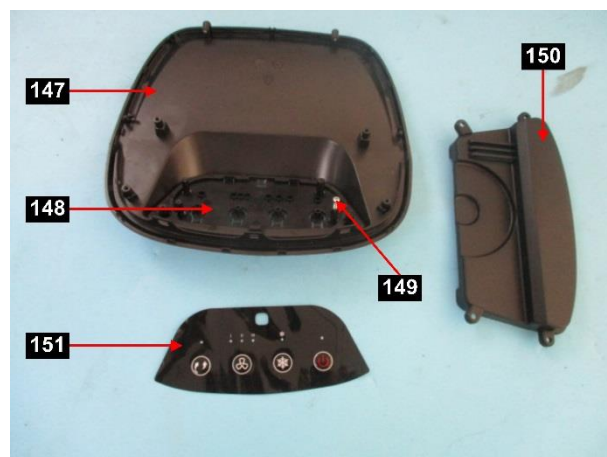
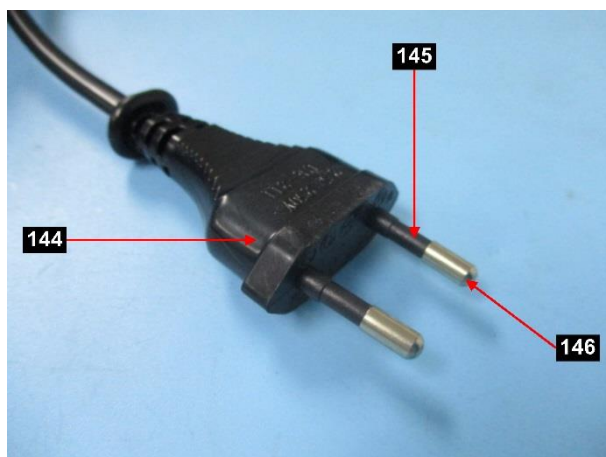
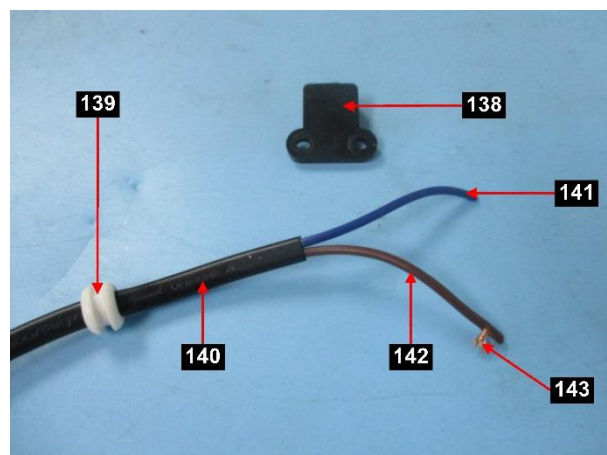
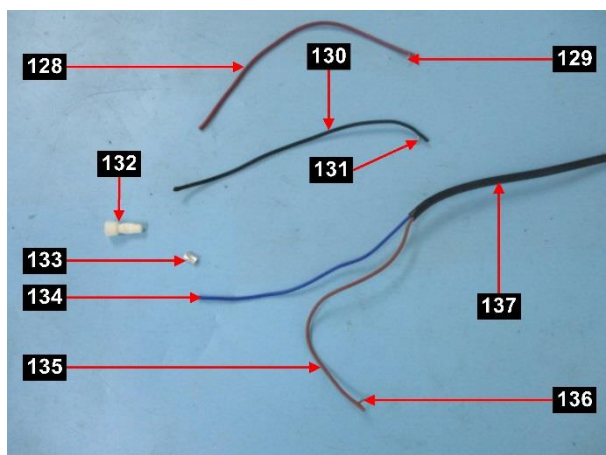
Date: May 21, 2019

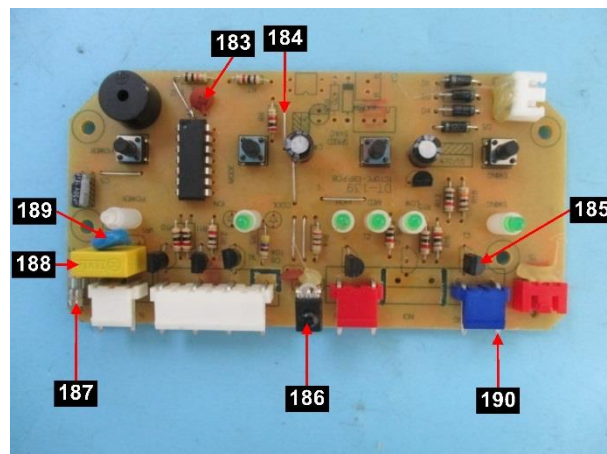
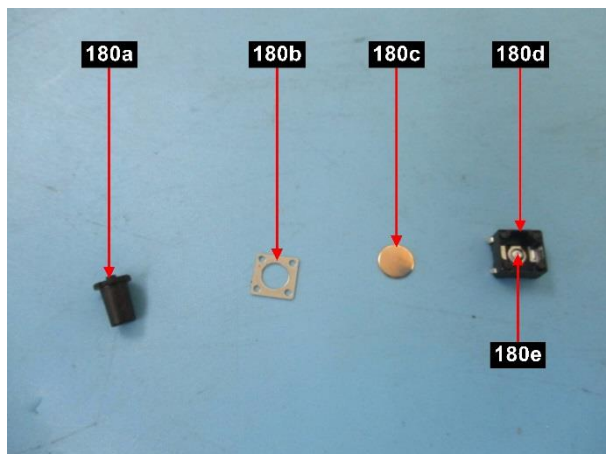
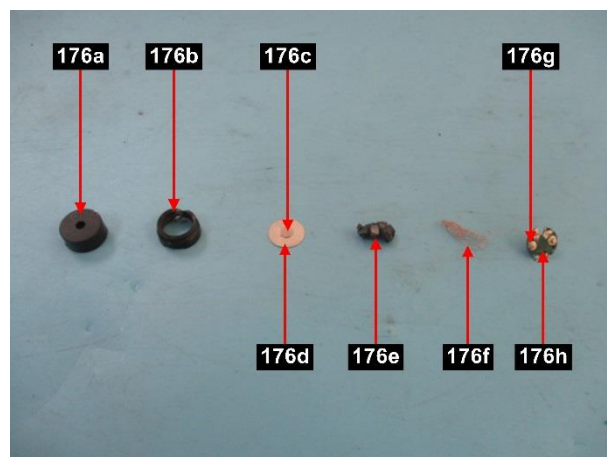
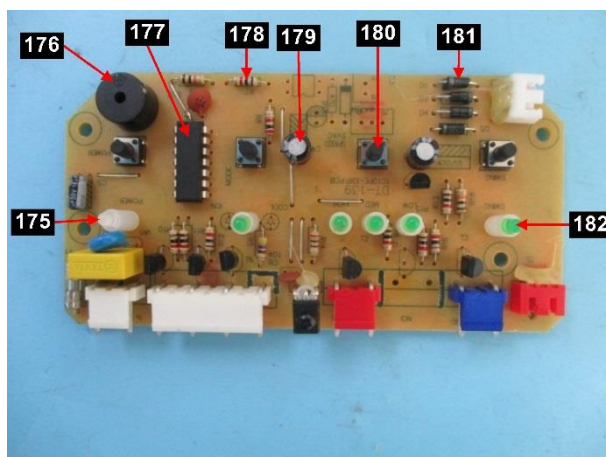
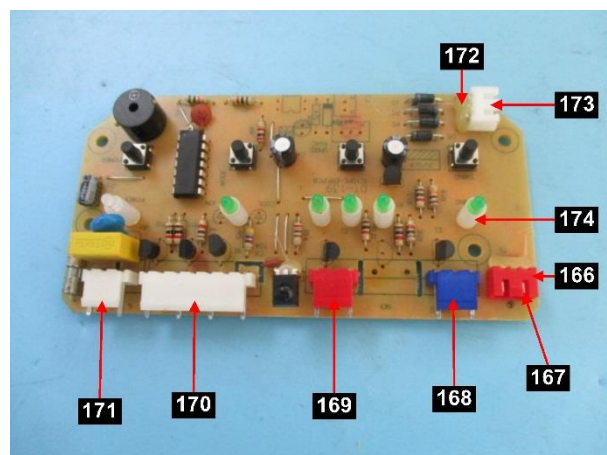
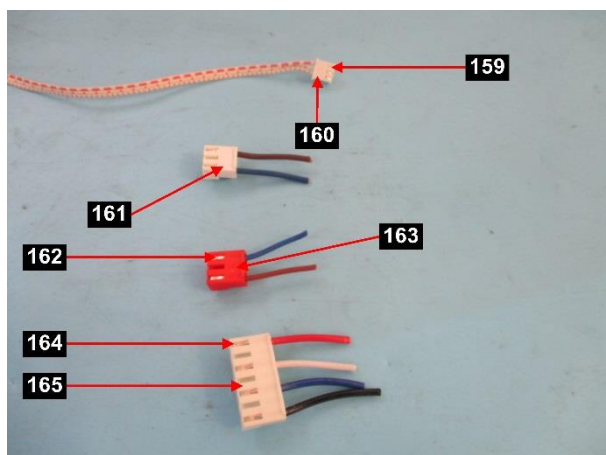


XRF Screening and Chemical Confirmation Test Report

No.: 190318045GZU-001

Date: May 21, 2019

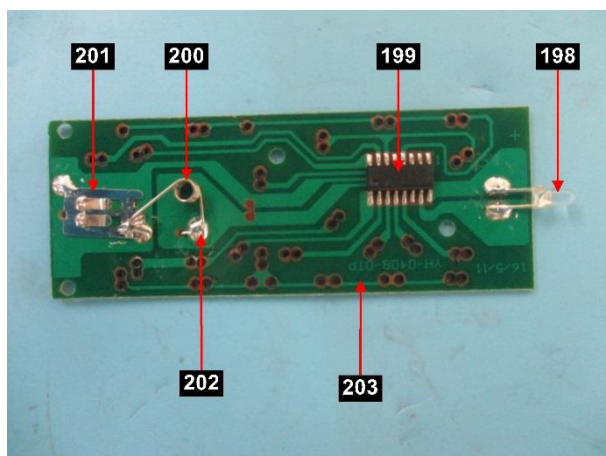
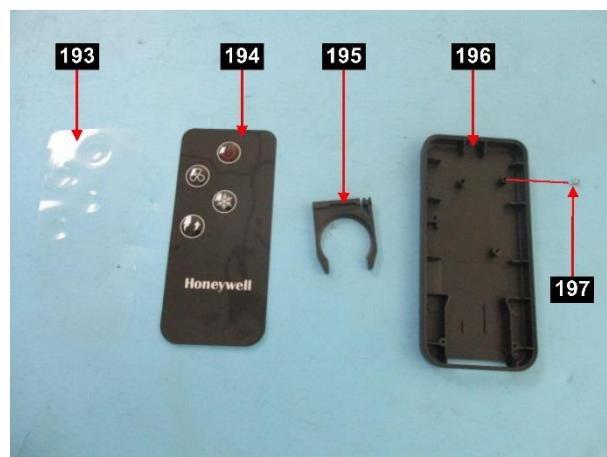
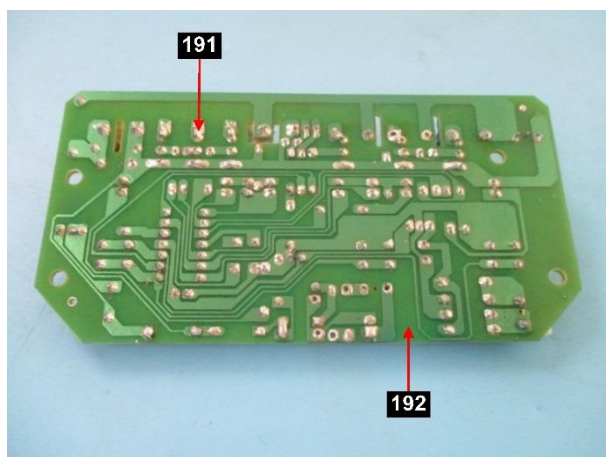
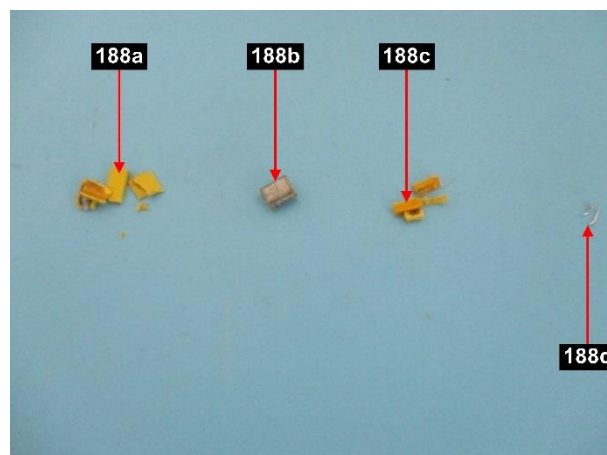
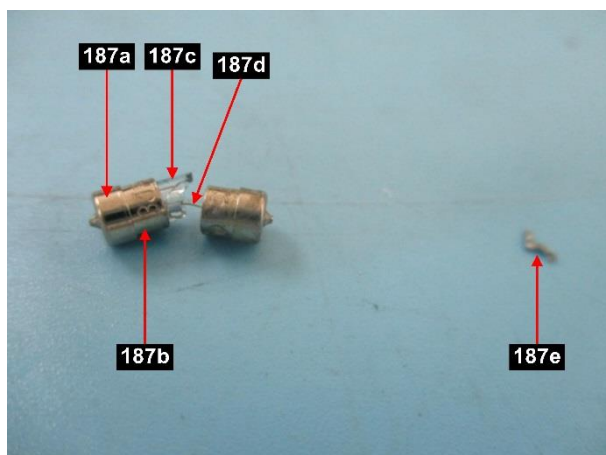




XRF Screening and Chemical Confirmation Test Report

No.: 190318045GZU-001

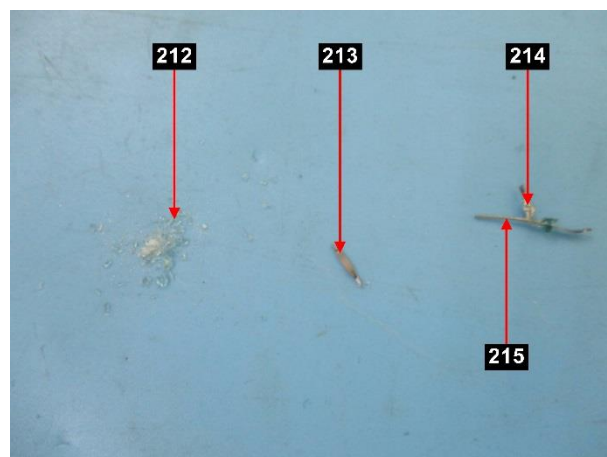
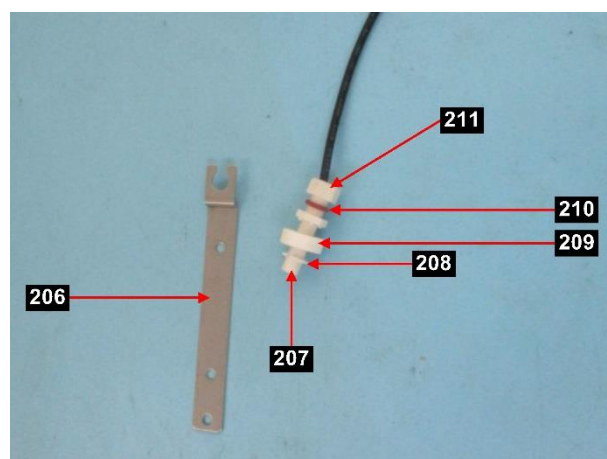
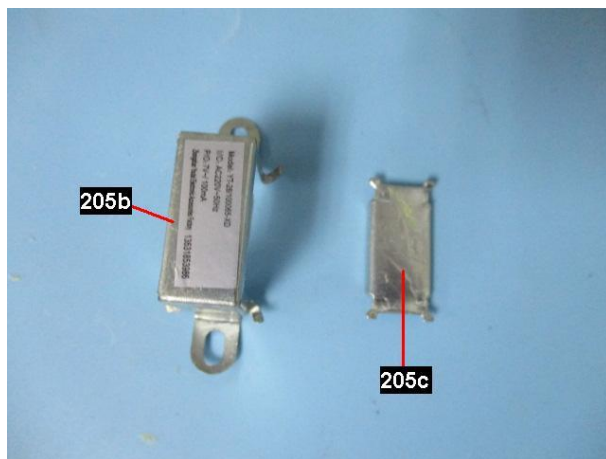
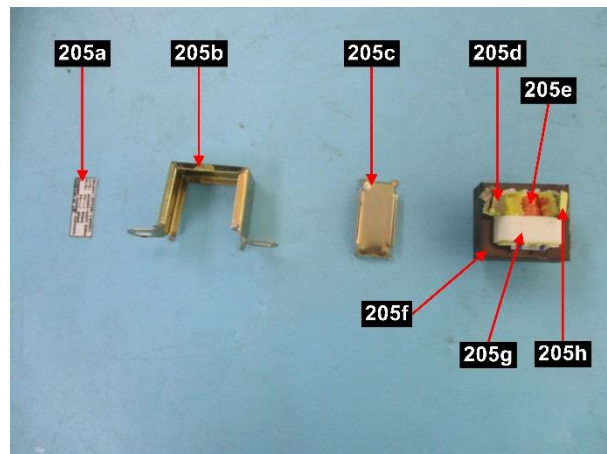
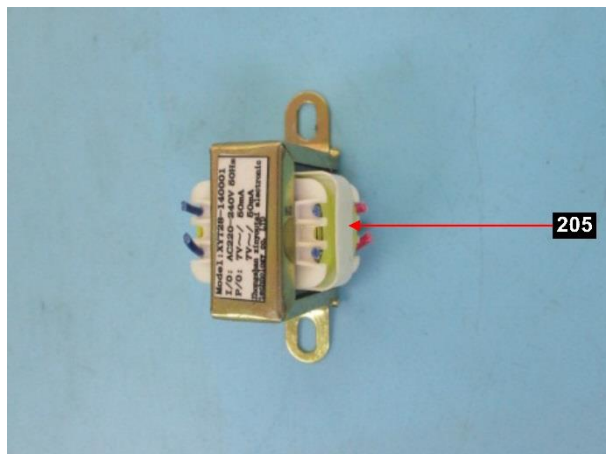
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XRF Screening and Chemical Confirmation Test Report

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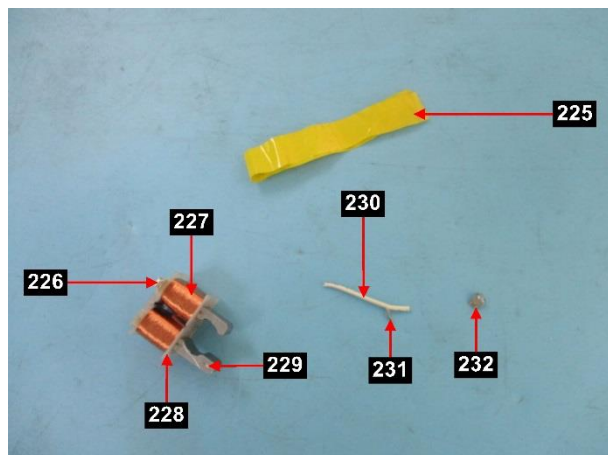
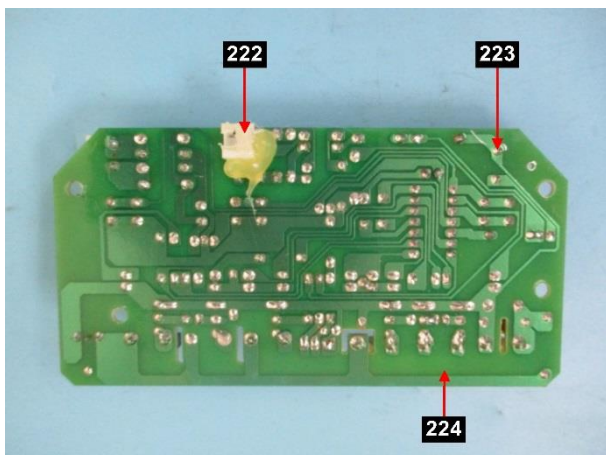
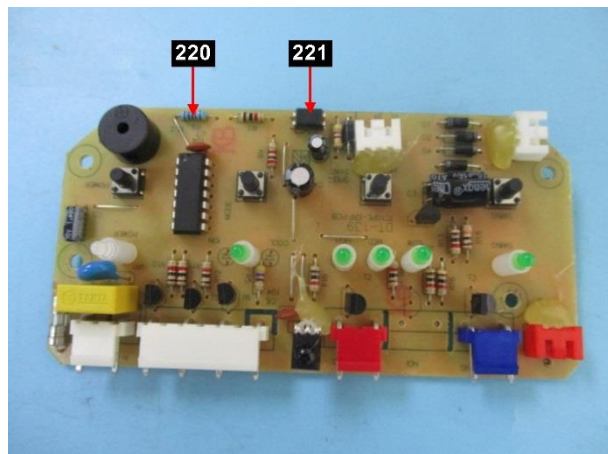
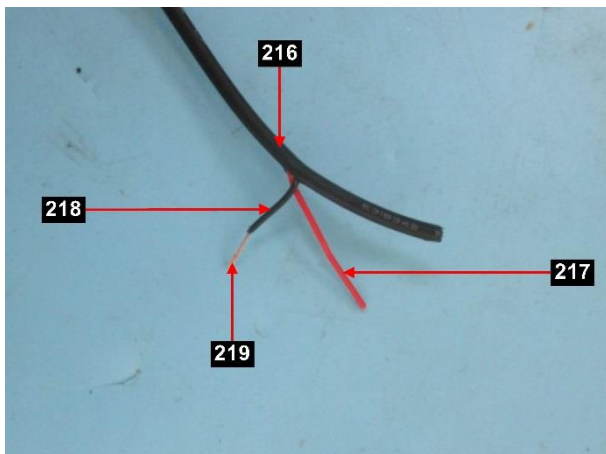
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XRF Screening and Chemical Confirmation Test Report

No.: 190318045GZU-001

Date: May 21, 2019



End of report

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