



TEST REPORT

Report No. : WTX19X11081834X1C

Date : Dec.09, 2019

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Applicant..... : Fujian Newland Auto-ID Tech. Co.,Ltd.

Applicant Address..... : Newland Science & Technology Park, No.1 Rujiang West Rd, Mawei, Fuzhou, P.R.China

Manufacturer..... : Fujian Newland Auto-ID Tech. Co.,Ltd.

Manufacturer address..... : Newland Science & Technology Park, No.1 Rujiang West Rd, Mawei, Fuzhou, P.R.China

Sample Name..... : Portable Data Collector

Model No. : NLS-NFT10

Brand..... : Newland

Date of Receipt sample... : Nov.25, 2019

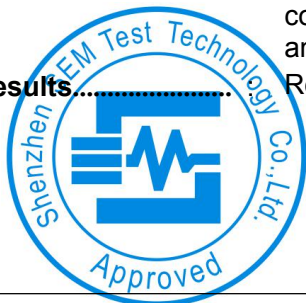
Date of Issue..... : Nov.25, 2019 to Dec.09, 2019

Test Requested..... : In accordance with the RoHS Directive 2011/65/EU and its amendment (EU) No. 2015/863, to determine the 10 restricted substances content in the submitted sample.

Test Method..... : IEC 62321-3-1:2013, screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry (XRF)
IEC 62321-4-2013 for mercury (Hg), analyzed by ICP-OES
IEC 62321-5-2013 for lead (Pb) and cadmium (Cd), analyzed by ICP-OES
IEC 62321-7-2:2017 and/or IEC 62321-7-1:2015 for hexavalent chromium (Cr⁶⁺), analyzed by UV-Vis
IEC 62321-6-2015 for PBBs and PBDEs, analyzed by GC-MS
IEC 62321-8:2017 for phthalates, analyzed by GC-MS

Test Conclusion..... : **Pass** (Based on the performed tests on the submitted samples, the results comply with the requirement of EU RoHS Directive 2011/65/EU and its amendment (EU) No. 2015/863).

Test Results..... : Refer to next page (s).



Tested by:

Charles Wang

Charles Wang

Reviewed by:

Eric Lu

Eric Lu

Approved by:

Jandyso

Jandyso

Declaration:

(1) The report shall not be reproduced partly without the written approval of the laboratory, except in full produced.

(2) All the results shown in the report apply to the tested sample, any erasure on the report is invalid.

(3) All tested sample will be kept for one month, if there is any doubt about the test result, please inform within this period.

Shenzhen SEM Test Technology Co., Ltd.

1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C. (518101)

Test Results:
1. Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs and PBDEs

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
1	Black plastic shell	BL	BL	BL	BL	BL	NA
2	Black plastic sheet	BL	BL	BL	BL	BL	NA
3	Silvery metal plate	BL	BL	BL	BL	NA	NA
4	Black sponge	BL	BL	BL	BL	BL	NA
5	Purple cladding metal	BL	BL	BL	BL	NA	NA
6	Black plastic film	BL	BL	BL	BL	BL	NA
7	Black gloss plastic	BL	BL	BL	BL	BL	NA
8	Silvery metal	BL	BL	BL	BL	NA	NA
9	White label w/black printing	BL	BL	BL	BL	BL	NA
10	Black/Silvery plastic film	BL	BL	BL	BL	BL	NA
11	Silvery metal	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
12	Black plastic	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
13	Black cladding metal screw	BL	BL	BL	BL	NA	NA
14	Black cladding metal screw	BL	BL	BL	BL	NA	NA
15	Black cladding metal screw	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
16	Black rubber	BL	BL	BL	BL	BL	NA
17	Dark glass w/black coating (display screen)	BL	BL	BL	BL	BL	NA
18	Golden FPC (display screen)	BL	BL	BL	BL	BL	NA
19	White LED body w/yellow coating (display screen)	BL	BL	BL	BL	BL	NA
20	Transparent hard plastic plate (display screen)	BL	BL	BL	BL	BL	NA
21	Silvery plastic film plate w/gloss (display screen)	BL	BL	BL	BL	BL	NA
22	Milk plastic film plate (display screen)	BL	BL	BL	BL	BL	NA
23	Crystal gloss plastic film plate (display screen)	BL	BL	BL	BL	BL	NA
24	Translucent plastic film plate (display screen)	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
25	Gray plastic film plate (display screen)	BL	BL	BL	BL	BL	NA
26	Silvery metal board (display screen)	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
27	Yellow plastic adhesive tape (battery)	BL	BL	BL	BL	BL	NA
28	Atrovirens paper (battery)	BL	BL	BL	BL	BL	NA
29	Silvery metal pole (battery)	BL	BL	BL	BL	NA	NA
30	Black IC SMD (battery)	BL	BL	BL	BL	BL	NA
31	Black IC SMD (battery)	BL	BL	BL	BL	BL	NA
32	Black cladding PCB board (battery)	BL	BL	BL	BL	BL	NA
33	Solder (battery)	BL	BL	BL	BL	NA	NA
34	Golden FPC	BL	BL	BL	BL	BL	NA
35	Silvery metal	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
36	Black FPC	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
37	Black IC SMD	BL	BL	BL	BL	BL	NA
38	Black IC SMD	BL	BL	BL	BL	BL	NA
39	Golden cladding metal dot (antenna)	BL	BL	BL	BL	NA	NA
40	Black plastic wire jacket (antenna)	BL	BL	BL	BL	BL	NA
41	Silvery metal core (antenna)	BL	BL	BL	BL	NA	NA
42	Solder (antenna)	BL	BL	BL	BL	NA	NA
43	Golden cladding metal PIN	BL	BL	BL	BL	NA	NA
44	Silvery metal spring	BL	BL	BL	BL	NA	NA
45	Silvery metal w/black film (loudspeaker)	BL	BL	BL	BL	NA	NA
46	Transparent plastic film (loudspeaker)	BL	BL	BL	BL	BL	NA
47	Coppery metal coil (loudspeaker)	BL	BL	BL	BL	NA	NA
48	Black plastic frame (loudspeaker)	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
49	Golden cladding metal PIN (loudspeaker)	BL	BL	BL	BL	NA	NA
50	Silvery metal plate (loudspeaker)	BL	BL	BL	BL	NA	NA
51	Black plastic (USB Type-C)	BL	BL	BL	BL	BL	NA
52	Silvery metal (USB Type-C)	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
53	Golden cladding metal PIN (USB Type-C)	BL	BL	BL	BL	NA	NA
54	Silvery metal cover w/black sponge (microphone 2)	BL	BL	BL	BL	NA	NA
55	Coppery metal coil (microphone 2)	BL	BL	BL	BL	NA	NA
56	Coppery metal ring (microphone 2)	BL	BL	BL	BL	NA	NA
57	Silvery metal base w/axle (microphone 2)	BL	BL	BL	BL	NA	NA
58	Golden FPC piece (microphone 2)	BL	BL	BL	BL	BL	NA
59	Blue plastic wire jacket (microphone 2)	BL	BL	BL	BL	BL	NA
60	Red plastic wire jacket (microphone 2)	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
61	Silvery metal core (microphone 2)	BL	BL	BL	BL	NA	NA
62	Silvery metal cover (SD)	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
63	Black plastic (SD)	BL	BL	BL	BL	BL	NA
64	Golden cladding metal PIN (SD)	BL	BL	BL	BL	NA	NA
65	Golden metal spring (SD)	BL	BL	BL	BL	NA	NA
66	Silvery metal rod (SD)	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
67	Silvery metal cover	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
68	Black IC SMD	BL	BL	BL	BL	BL	NA
69	Black IC SMD	BL	BL	BL	BL	BL	NA
70	Black IC SMD	BL	BL	BL	BL	BL	NA
71	Black plastic head (camera)	BL	BL	BL	BL	BL	NA
72	Transparent glass lens w/black coating (camera)	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
73	Dark glass imaging sensor (camera)	BL	BL	BL	BL	BL	NA
74	Black rubber cap (camera)	BL	BL	BL	BL	BL	NA
75	Black plastic head (camera)	BL	BL	BL	BL	BL	NA
76	Transparent glass lens w/black coating (camera)	BL	BL	BL	BL	BL	NA
77	Black solid material ring (camera)	BL	BL	BL	BL	BL	NA
78	Dark glass imaging sensor (camera)	BL	BL	BL	BL	BL	NA
79	Black FPC (camera)	BL	BL	BL	BL	BL	Cr ⁶⁺ : ND
80	Silvery metal board (camera)	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
81	White plastic body (socket)	BL	BL	BL	BL	BL	NA
82	Black plastic (socket)	BL	BL	BL	BL	BL	NA
83	Silvery metal body (Crystal oscillator)	BL	BL	BL	BL	NA	NA
84	Green cladding PCB board	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
85	Solder	BL	BL	BL	BL	NA	NA
86	Silvery metal frame (square camera)	BL	BL	BL	BL	NA	NA
87	Coppery metal coil (square camera)	BL	BL	BL	BL	NA	NA
88	Black round plastic (square camera)	BL	BL	BL	BL	BL	NA
89	Dark glass imaging sensor (square camera)	BL	BL	BL	BL	BL	NA
90	Black FPC (square camera)	BL	BL	BL	BL	BL	NA
91	Silvery metal plate (square camera)	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
92	White label w/black printing	BL	BL	BL	BL	BL	NA
93	Black IC SMD	BL	BL	BL	BL	BL	NA
94	Black IC SMD	BL	BL	BL	BL	BL	NA
95	Black IC SMD	BL	BL	BL	BL	BL	NA
96	Black IC SMD	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
97	Black IC SMD	BL	BL	BL	BL	BL	NA
98	Gray solid material (Inductance)	BL	BL	BL	BL	NA	NA
99	Black plastic	BL	BL	BL	BL	BL	NA
100	Green cladding metal PIN	BL	BL	BL	BL	NA	NA
101	Black plastic (socket)	BL	BL	BL	BL	BL	NA
102	Black cladding PCB board	BL	BL	BL	BL	BL	NA
103	Solder	BL	BL	BL	BL	NA	NA
104	Black gloss plastic shell	BL	BL	BL	BL	BL	NA
105	Black plastic w/white printing	BL	BL	BL	BL	BL	NA
106	Silvery metal PIN	BL	BL	BL	BL	NA	NA
107	Silvery metal sheet	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
108	Translucent plastic	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
109	Black plastic (USB Type-C)	BL	BL	BL	BL	BL	NA
110	Silvery metal (USB Type-C)	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
111	Golden cladding metal PIN (USB Type-C)	BL	BL	BL	BL	NA	NA
112	Black soft plastic plug 1	BL	BL	BL	BL	BL	NA
113	Translucent plastic (inside)	BL	BL	BL	BL	BL	NA
114	Green cladding PCB board	BL	BL	BL	BL	BL	NA
115	Solder	BL	BL	BL	BL	NA	NA
116	White plastic (USB Type-A)	BL	BL	BL	BL	BL	NA
117	Silvery metal (USB Type-A)	BL	BL	BL	BL	NA	NA
118	Golden cladding metal PIN (USB Type-A)	BL	BL	BL	BL	NA	NA
119	Black soft plastic plug 2	BL	BL	BL	BL	BL	NA
120	Black plastic cable jacket	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
121	Silvery metal foil buckle	BL	BL	BL	BL	NA	NA
122	Black plastic wire jacket (big)	BL	BL	BL	BL	BL	NA
123	Red plastic wire jacket (big)	BL	BL	BL	BL	BL	NA
124	White plastic wire jacket	BL	BL	BL	BL	BL	NA
125	Green plastic wire jacket	BL	BL	BL	BL	BL	NA
126	Silvery metal wire core	BL	BL	BL	BL	NA	NA
127	Black plastic body (fuse)	BL	BL	BL	BL	BL	NA
128	Silvery metal PIN (fuse)	BL	BL	BL	BL	NA	NA
129	Black plastic w/white printing (capacitor 1)	BL	BL	BL	BL	BL	NA
130	Black rubber cover (capacitor 1)	BL	BL	BL	BL	BL	NA
131	Cream wet paper (capacitor 1)	BL	BL	BL	BL	BL	NA
132	Silvery metal shell (capacitor 1)	BL	BL	BL	BL	NA	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
133	Silvery metal PIN (capacitor 1)	BL	BL	BL	BL	NA	NA
134	White plastic (USB Type-A)	BL	BL	BL	BL	BL	NA
135	Silvery metal (USB Type-A)	BL	BL	BL	BL	NA	NA
136	Golden cladding metal PIN (USB Type-A)	BL	BL	BL	BL	NA	NA
137	Black plastic plug	BL	BL	BL	BL	BL	NA
138	Copperry metal coil (Inductance)	BL	BL	BL	BL	NA	NA
139	Gray solid material (Inductance)	BL	BL	BL	BL	NA	NA
140	Black plastic w/white printing (capacitor 2)	BL	BL	BL	BL	BL	NA
141	Black rubber cover (capacitor 2)	BL	BL	BL	BL	BL	NA
142	Cream wet paper (capacitor 2)	BL	BL	BL	BL	BL	NA
143	Silvery metal shell (capacitor 2)	BL	BL	BL	BL	NA	NA
144	Silvery metal PIN (capacitor 2)	BL	BL	BL	BL	NA	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
145	Yellow plastic film adhesive tape (Transformer)	BL	BL	BL	BL	BL	NA
146	Black plastic base (Transformer)	BL	BL	BL	BL	BL	NA
147	Black solid material frame (Transformer)	BL	BL	BL	BL	NA	NA
148	Copperty metal coil (Transformer)	BL	BL	BL	BL	NA	NA
149	Transparent plastic cable jacket (Transformer)	BL	BL	BL	BL	BL	NA
150	Blue body (Y capacitor)	BL	BL	BL	BL	BL	NA
151	Slivery metal PIN (Y capacitor)	BL	BL	BL	BL	NA	NA
152	Blue body (capacitor)	BL	BL	BL	BL	BL	NA
153	Slivery metal PIN (capacitor)	BL	BL	BL	BL	NA	NA
154	Black IC SMD	BL	BL	BL	BL	BL	NA
155	Black triode SMD	BL	BL	BL	BL	BL	NA
156	Black triode SMD	BL	BL	BL	BL	BL	NA

No.	Part Description	Result of XRF					Result of Chemical Testing (mg/kg)
		Pb	Cd	Hg	Cr	Br	
157	Black IC SMD	BL	BL	BL	BL	BL	NA
158	Green cladding PCB board	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND
159	Solder	BL	BL	BL	BL	NA	NA
160	Transparent round plastic	BL	BL	BL	BL	BL	NA
161	Coppery metal screw	BL	BL	BL	IN	NA	Cr ⁶⁺ : Negative
162	Black w/red body (Glass sealed diode)	BL*	BL	BL	BL	BL	NA

Note:

- (1) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr⁶⁺) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1: 2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$LOD < IN < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < IN$	$BL \leq (700-3\sigma) < IN$	$BL \leq (500-3\sigma) < IN$
Br	$BL \leq (300-3\sigma) < IN$	--	$BL \leq (250-3\sigma) < IN$

BL= Below Limit OL= Over Limit LOD = Limit of Detection -- = Not Regulated

- (2) "IN" expresses the inconclusive region, and further chemical testing to confirm whether it complies with the requirement of RoHS Directive.
- (3) The XRF screening test for RoHS elements – the reading may be different to the actual content in the sample be of non-uniformity composition.
- (4) ppm = mg/kg, based on the dry weight of tested sample.
- (5) ND = Not Detected, less than the value of Method Detection Limit.
- (6) NA = Not Applicable, as the XRF screening test result was below the limit, it was not need to conduct the chemical testing.
- (7) MDL= Method Detection Limit in chemical test.

Test Items	Pb	Cd	Hg	Cr ⁶⁺		PBB	PBDE
Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/cm ²	mg/kg	mg/kg
MDL	10	10	10	10	0.1	10	10

The MDL for single compound of PBBs and PBDEs is 10mg/kg, MDL of Cr⁶⁺ for polymer and composite sample is 10mg/kg and MDL of Cr⁶⁺ for metal sample is 0.1µg/cm².

- (8) According to IEC 62321-7-1:2015, determined of Cr⁶⁺ on metal sample by boiling water extraction test method, and result is shown as Positive/Negative.
- Boiling water extraction:
- Negative = Absence of Cr⁶⁺ coating, the detected concentration in boiling water extraction solution is less than 0.10ug/cm².
- Positive = Presence of Cr⁶⁺ coating, the detected concentration in boiling water extraction solution is greater than 0.13ug/cm².
- Information on storage conditions and production date of the tested sample is unavailable and thus Cr⁶⁺ results represent status of the sample at the time of testing.
- (9) * = According to the declaration from client, the source of lead in test sample could be from the glass or ceramic material of that electronic component which is exempted by Directive 2011/65/EU.

2. Phthalates (DEHP,BBP,DBP,DIBP)

No.	Screening Result (mg/kg)				Result of Chemical Testing (mg/kg)			
	DEHP	DBP	BBP	DIBP	DEHP	DBP	BBP	DIBP
1	BL	BL	BL	BL	--	--	--	--
2	BL	BL	BL	BL	--	--	--	--
4	BL	BL	BL	BL	--	--	--	--
6	BL	BL	BL	BL	--	--	--	--
7	BL	BL	BL	BL	--	--	--	--
9	BL	BL	BL	BL	--	--	--	--
10	BL	BL	BL	BL	--	--	--	--
12	BL	BL	BL	BL	--	--	--	--
16	BL	BL	BL	BL	--	--	--	--
18	BL	BL	BL	BL	--	--	--	--
19	BL	BL	BL	BL	--	--	--	--
20	BL	BL	BL	BL	--	--	--	--
21	BL	BL	BL	BL	--	--	--	--
22	BL	BL	BL	BL	--	--	--	--
23	BL	BL	BL	BL	--	--	--	--
24	BL	BL	BL	BL	--	--	--	--
25	BL	BL	BL	BL	--	--	--	--
27	BL	BL	BL	BL	--	--	--	--
28	BL	BL	BL	BL	--	--	--	--
30	BL	BL	BL	BL	--	--	--	--
31	BL	BL	BL	BL	--	--	--	--
32	BL	BL	BL	BL	--	--	--	--
34	BL	BL	BL	BL	--	--	--	--
36	BL	BL	BL	BL	--	--	--	--
37	BL	BL	BL	BL	--	--	--	--
38	BL	BL	BL	BL	--	--	--	--
40	BL	BL	BL	BL	--	--	--	--
46	BL	BL	BL	BL	--	--	--	--
48	BL	BL	BL	BL	--	--	--	--
51	BL	BL	BL	BL	--	--	--	--

No.	Screening Result (mg/kg)				Result of Chemical Testing (mg/kg)			
	DEHP	DBP	BBP	DIBP	DEHP	DBP	BBP	DIBP
58	BL	BL	BL	BL	--	--	--	--
59	BL	BL	BL	BL	--	--	--	--
60	BL	BL	BL	BL	--	--	--	--
63	BL	BL	BL	BL	--	--	--	--
68	BL	BL	BL	BL	--	--	--	--
69	BL	BL	BL	BL	--	--	--	--
70	BL	BL	BL	BL	--	--	--	--
71	BL	BL	BL	BL	--	--	--	--
74	BL	BL	BL	BL	--	--	--	--
75	BL	BL	BL	BL	--	--	--	--
77	BL	BL	BL	BL	--	--	--	--
79	BL	BL	BL	BL	--	--	--	--
81	BL	BL	BL	BL	--	--	--	--
82	BL	BL	BL	BL	--	--	--	--
84	BL	BL	BL	BL	--	--	--	--
88	BL	BL	BL	BL	--	--	--	--
90	BL	BL	BL	BL	--	--	--	--
92	BL	BL	BL	BL	--	--	--	--
93	BL	BL	BL	BL	--	--	--	--
94	BL	BL	BL	BL	--	--	--	--
95	BL	BL	BL	BL	--	--	--	--
96	BL	BL	BL	BL	--	--	--	--
97	BL	BL	BL	BL	--	--	--	--
99	BL	BL	BL	BL	--	--	--	--
101	BL	BL	BL	BL	--	--	--	--
102	BL	BL	BL	BL	--	--	--	--
104	BL	BL	BL	BL	--	--	--	--
105	BL	BL	BL	BL	--	--	--	--
108	BL	BL	BL	BL	--	--	--	--
109	BL	BL	BL	BL	--	--	--	--
112	BL	BL	BL	BL	--	--	--	--

No.	Screening Result (mg/kg)				Result of Chemical Testing (mg/kg)			
	DEHP	DBP	BBP	DIBP	DEHP	DBP	BBP	DIBP
113	BL	BL	BL	BL	--	--	--	--
114	BL	BL	BL	BL	--	--	--	--
116	BL	BL	BL	BL	--	--	--	--
119	BL	BL	BL	BL	--	--	--	--
120	BL	BL	BL	BL	--	--	--	--
122	BL	BL	BL	BL	--	--	--	--
123	BL	BL	BL	BL	--	--	--	--
124	BL	BL	BL	BL	--	--	--	--
125	BL	BL	BL	BL	--	--	--	--
127	BL	BL	BL	BL	--	--	--	--
129	BL	BL	BL	BL	--	--	--	--
130	BL	BL	BL	BL	--	--	--	--
131	BL	BL	BL	BL	--	--	--	--
134	BL	BL	BL	BL	--	--	--	--
137	BL	BL	BL	BL	--	--	--	--
140	BL	BL	BL	BL	--	--	--	--
141	BL	BL	BL	BL	--	--	--	--
142	BL	BL	BL	BL	--	--	--	--
145	BL	BL	BL	BL	--	--	--	--
146	BL	BL	BL	BL	--	--	--	--
149	BL	BL	BL	BL	--	--	--	--
150	BL	BL	BL	BL	--	--	--	--
152	BL	BL	BL	BL	--	--	--	--
154	BL	BL	BL	BL	--	--	--	--
155	BL	BL	BL	BL	--	--	--	--
156	BL	BL	BL	BL	--	--	--	--
157	BL	BL	BL	BL	--	--	--	--
158	BL	BL	BL	BL	--	--	--	--
160	BL	BL	BL	BL	--	--	--	--

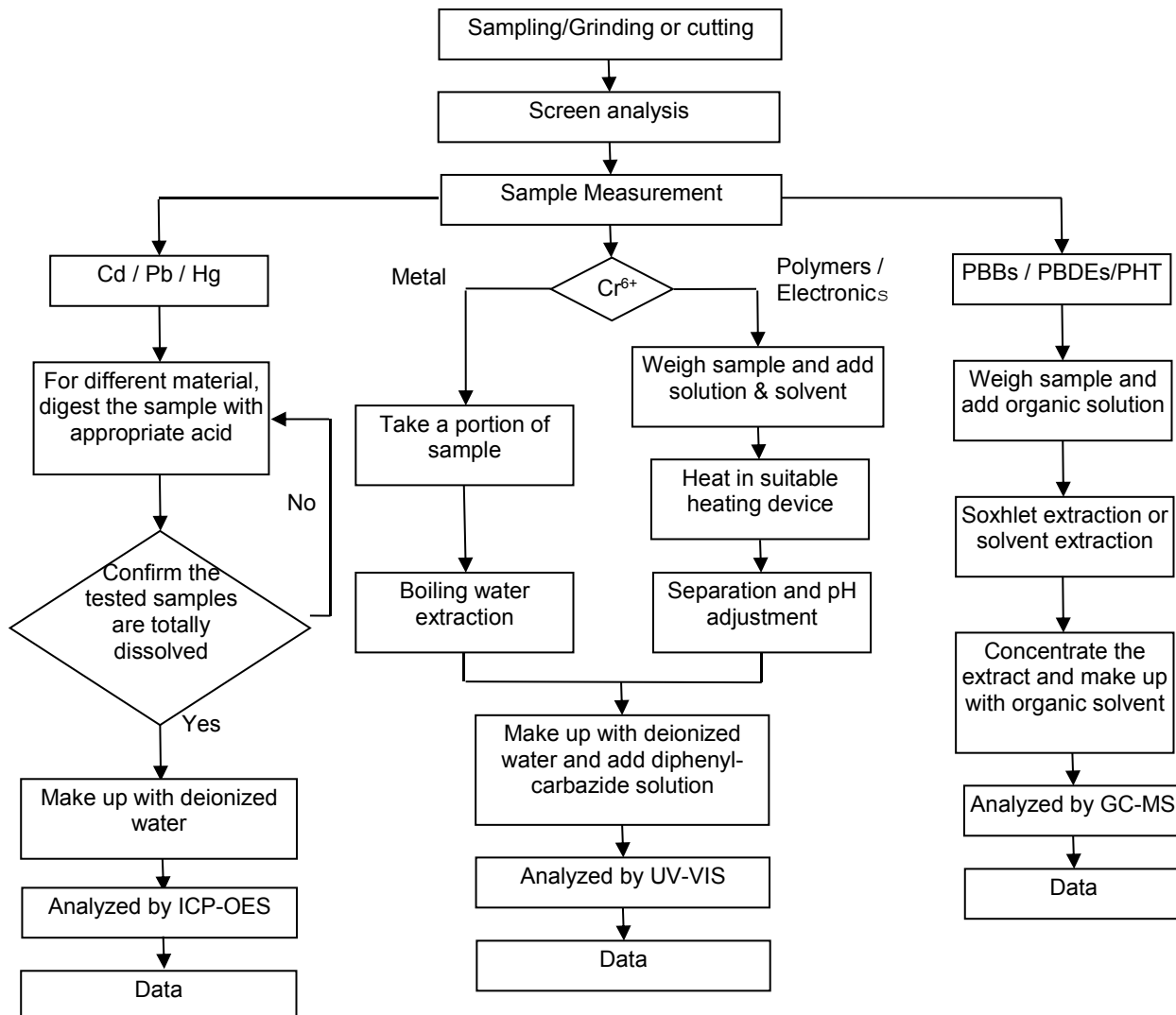
Note:

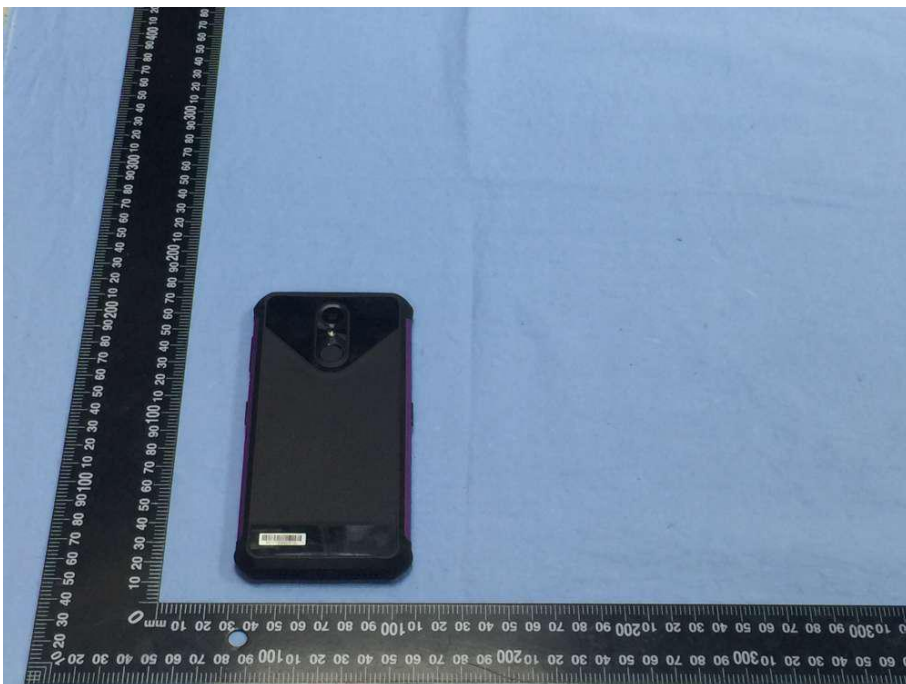
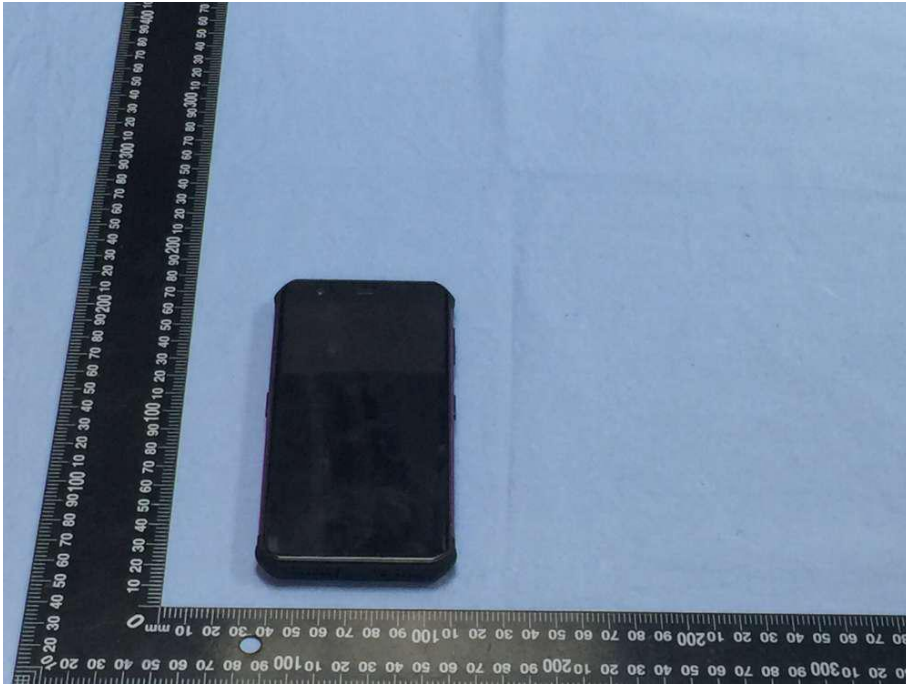
- (1) mg/kg =milligram per kilogram= ppm.
(2) Limit as per RoHS Directive 2011/65/EU and its amendment (EU) No. 2015/863

Test Item(s)	Limit (mg/kg)
Bis (2-ethylhexyl)- phthalate (DEHP)	1000
Dibutyl phthalate (DBP)	1000
Benzylbutyl phthalate (BBP)	1000
Diisobutyl phthalate (DIBP)	1000

(3) Screening result of phthalates are for primary screening ,and further chemical testing by GC-MS (DEHP,DBP, BBP and DIBP) are recommended to be performed if the concentration exceeds the below warning value (unit: mg/kg)

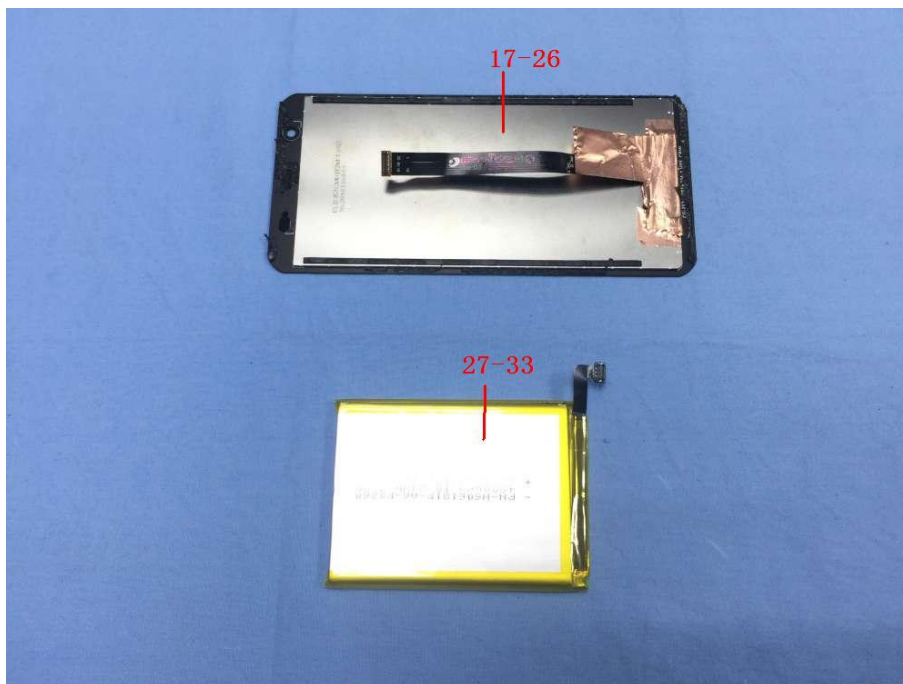
Test Item(s)	Polymer
Bis (2-ethylhexyl)- phthalate (DEHP)	$BL \leq 600 \leq X$
Dibutyl phthalate (DBP)	$BL \leq 600 \leq X$
Benzylbutyl phthalate (BBP)	$BL \leq 600 \leq X$
Diisobutyl phthalate (DIBP)	$BL \leq 600 \leq X$

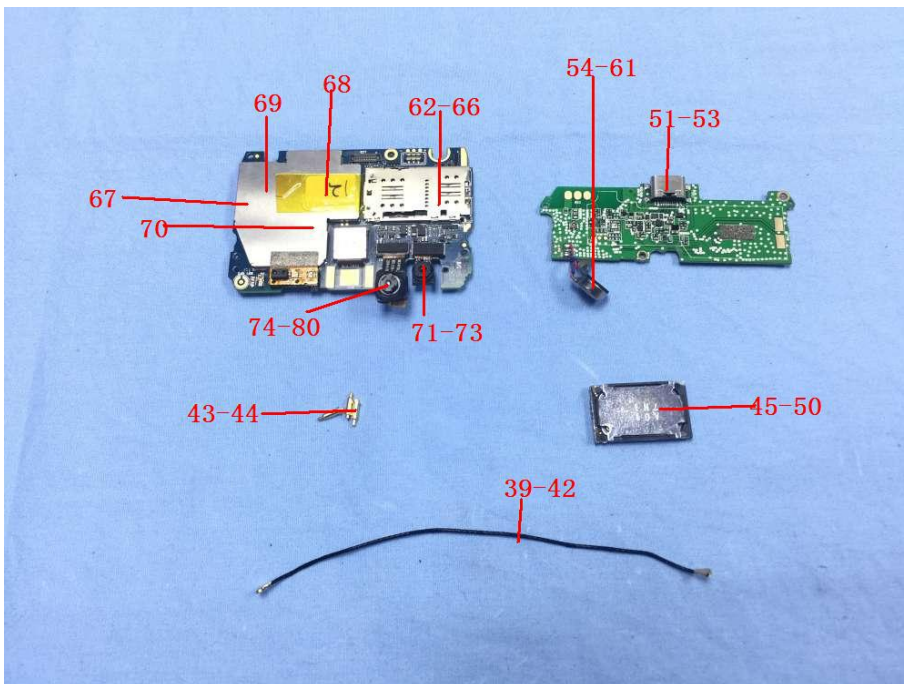
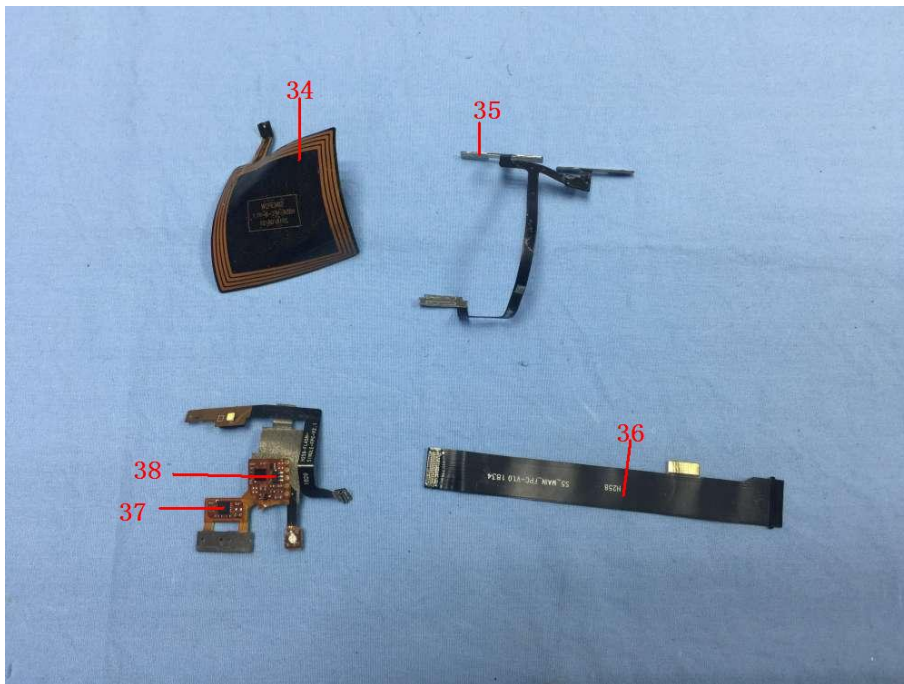
Measurement Flow chart:


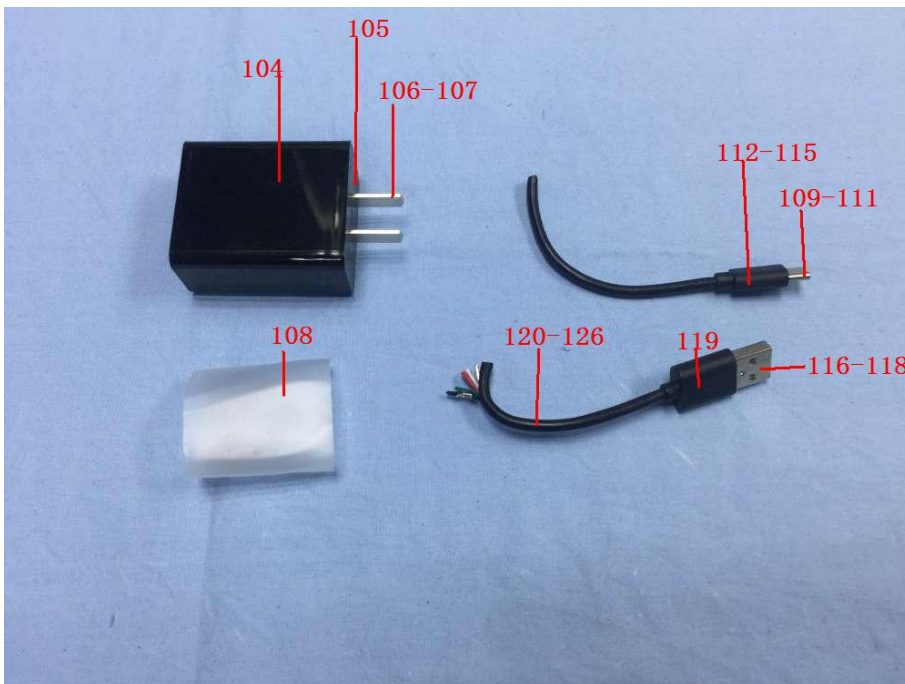
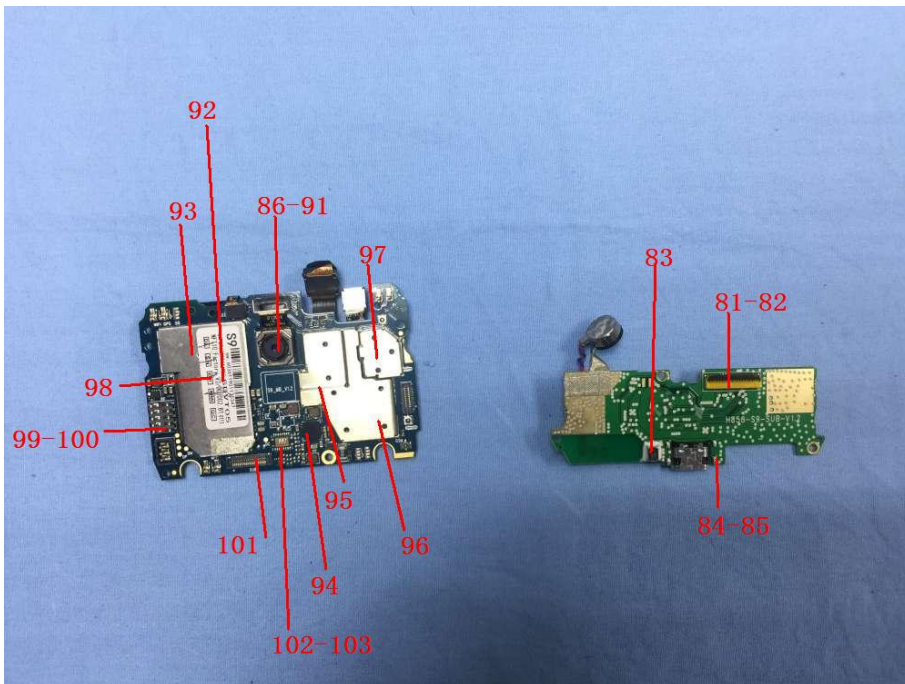
Sample Photo :

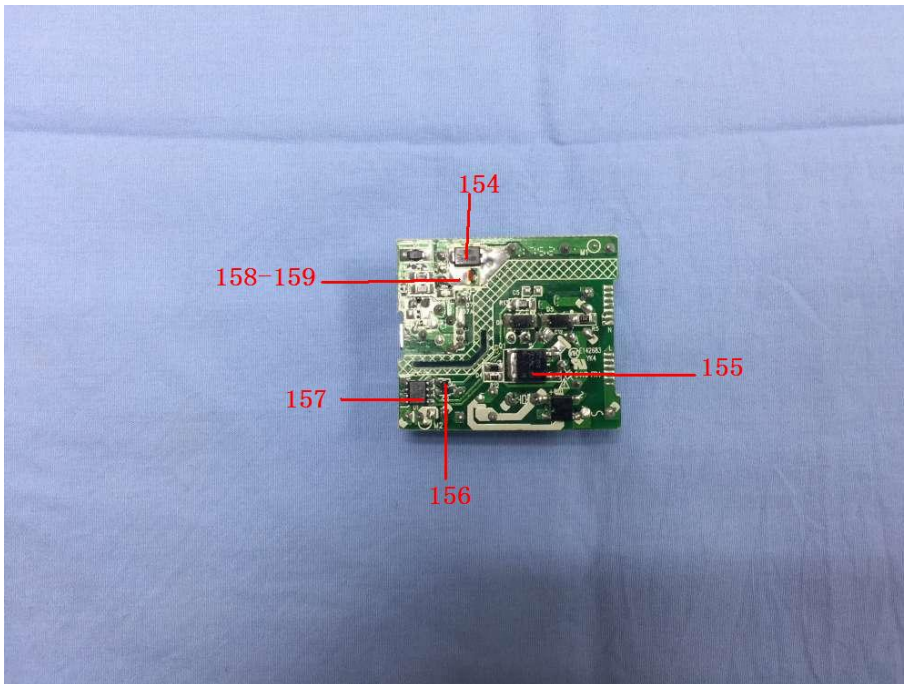
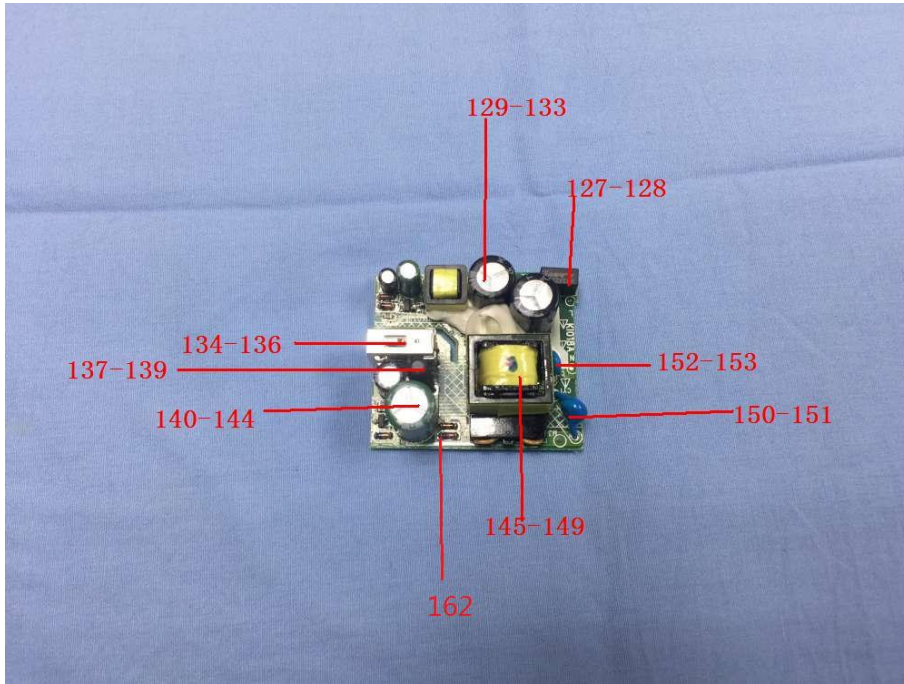


Photograph of parts tested :









===== End of Report =====