Applicant: DOKE COMMUNICATION (HK) LIMITED

Applicant address: RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI HK CHINA

The following samples were submitted and identified on behalf of the clients as

Sample Name:	Smart phone
Model:	BV8900
Trademark:	Blackview
Manufacturer:	Shenzhen DOKE Electronic Co., Ltd.
Manufacturer Address:	801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China.
Sample Received Date:	May 26, 2023
Test Period:	May 26, 2023 to Jun 06, 2023
Test Method:	Please refer to next page(s).
Test Result:	Please refer to next page(s).

Signed for and on behalf of
HP-LAB

Tony Tang Manager

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CONCLUSION :

TESTED SAMPLES	TEST ITEM	RESULT
Smart phone	1.RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863 — Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	**PASS**
	—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	**PASS**

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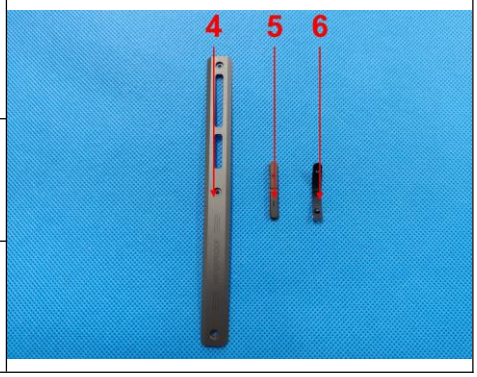
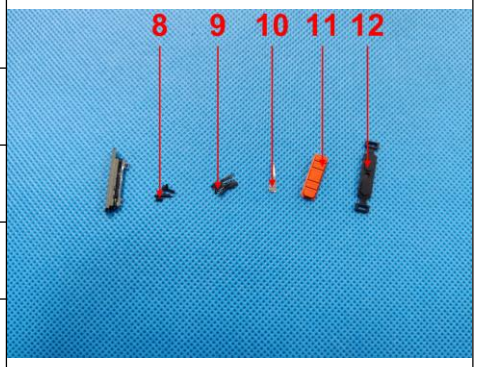
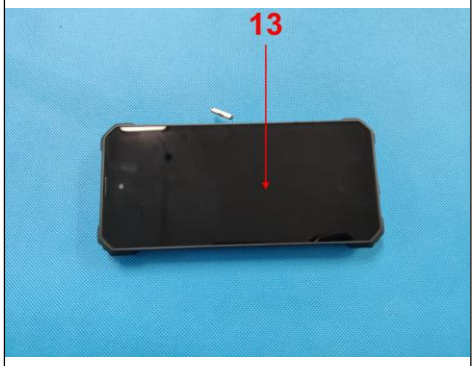
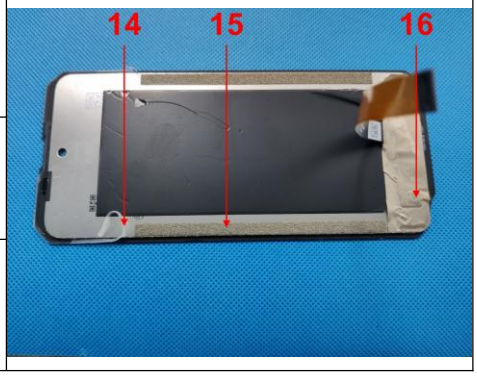
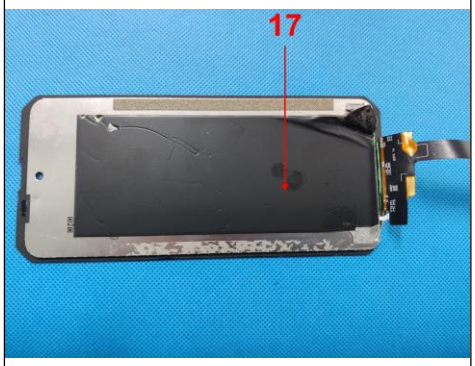
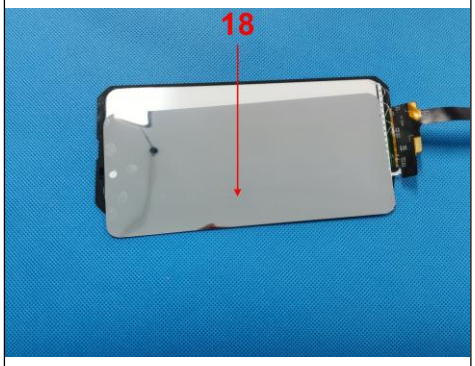
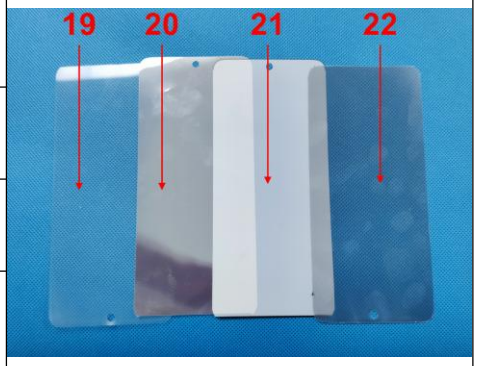
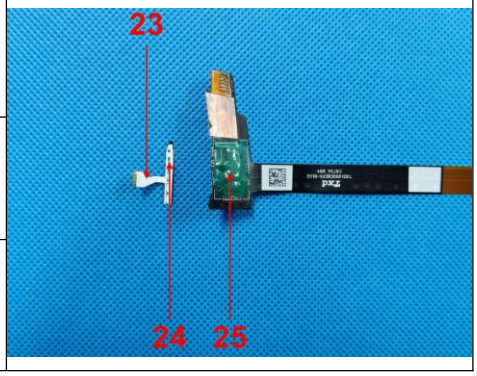
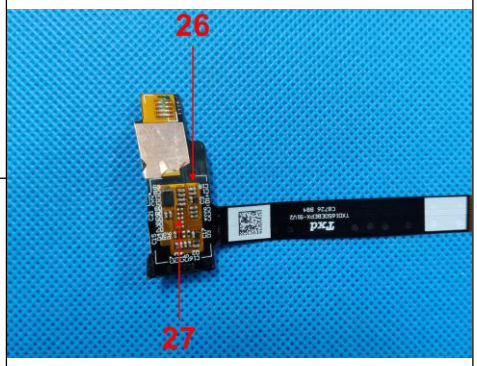
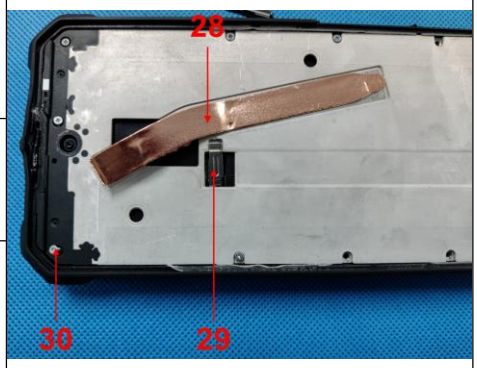
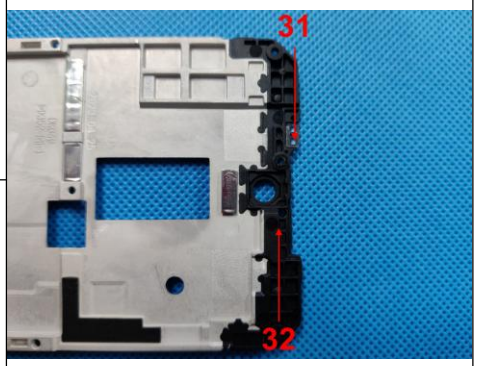
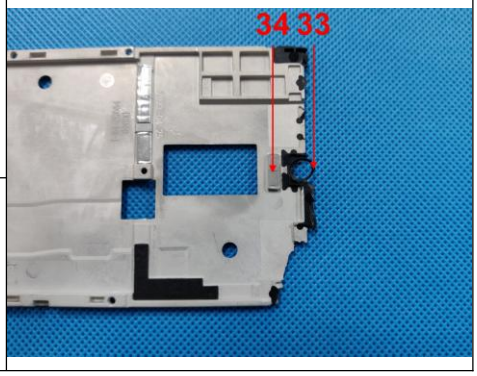
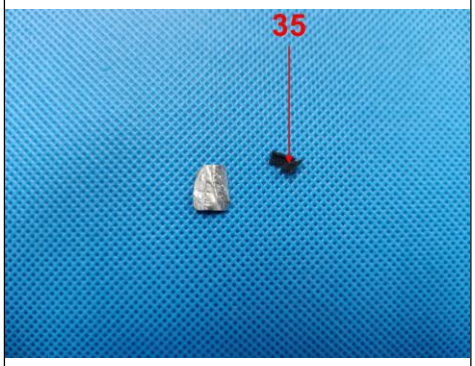
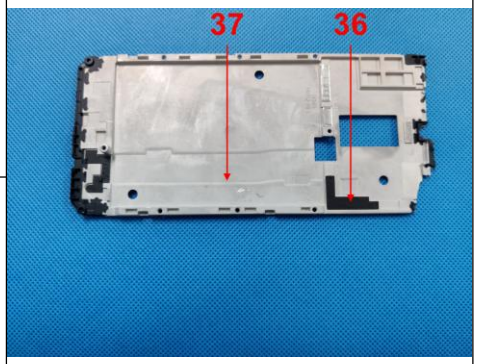
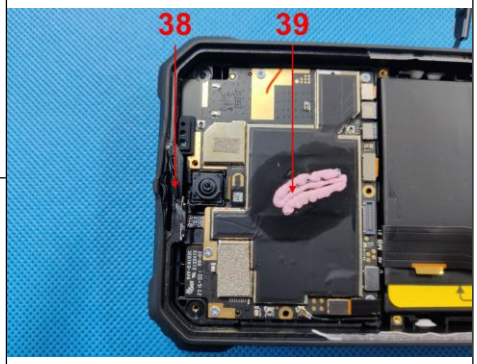
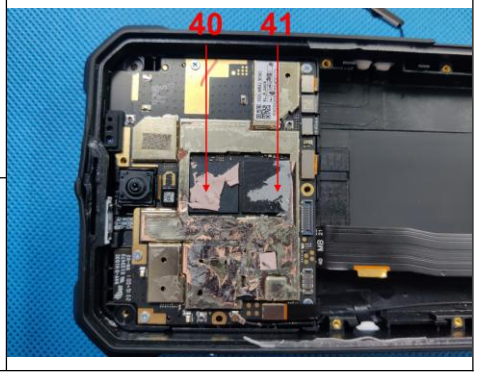
2. Test Item Description And Photo List

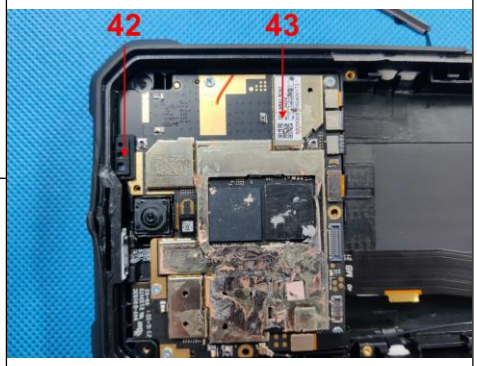
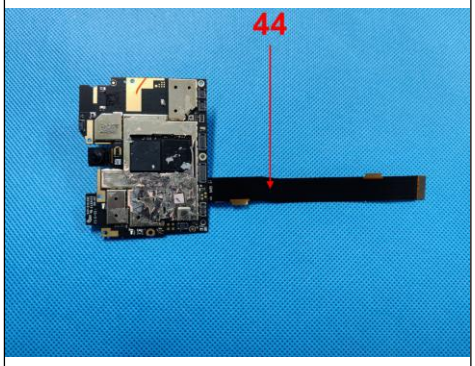
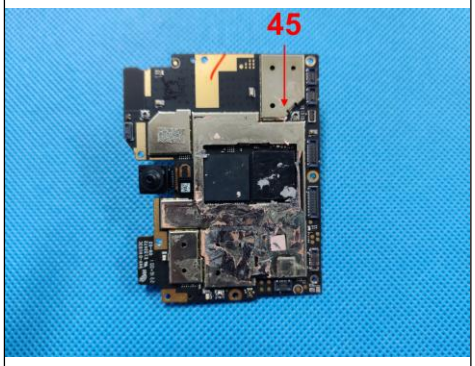
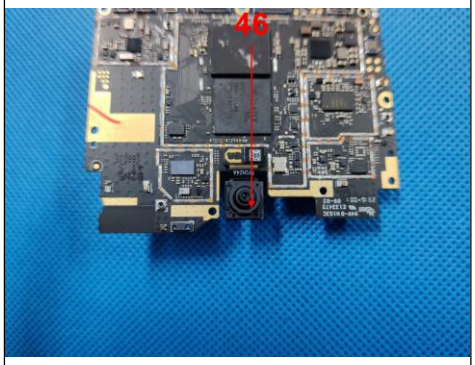
Sample No.	Description	Photograph
001	Transparent plastic with black printing	
002	Black glue	
003	Silvery metal with black plating (screw)	
004	Gray metal	
005	Gray metal	
006	Black plastic	

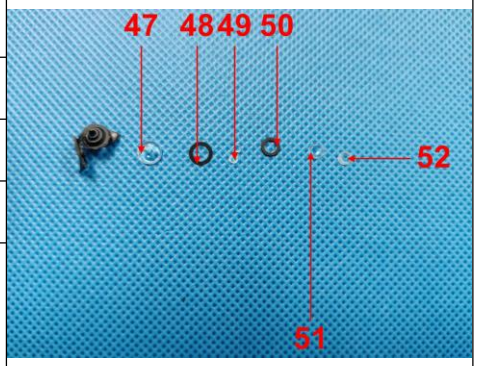
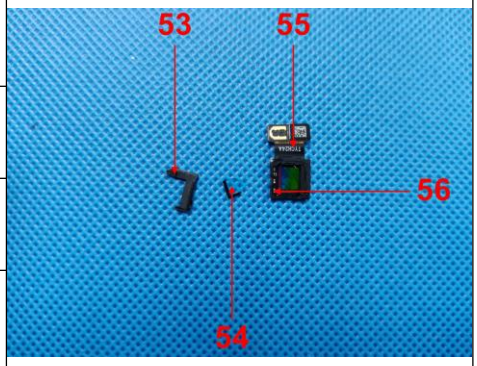
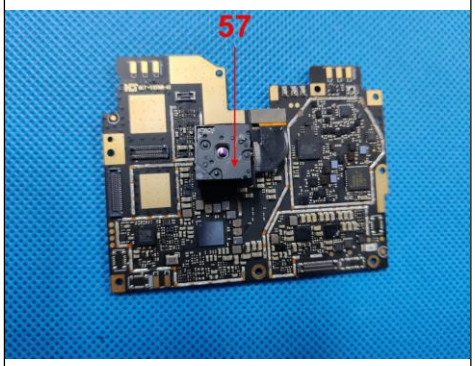
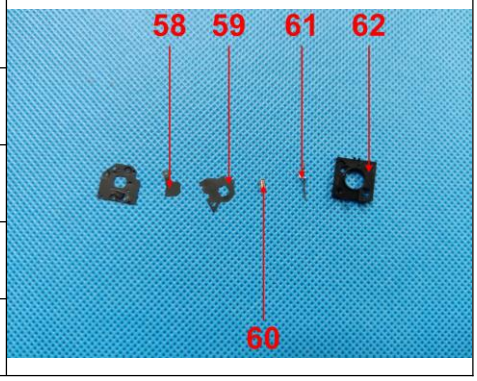
Sample No.	Description	Photograph
007	Gray metal	
008	Black glue	
009	Black plastic	
010	Silvery metal	
011	Silvery metal with orange plating	
012	Black plastic	
013	Black glass	
014	White glue	
015	Grey textile	
016	Grey textile	

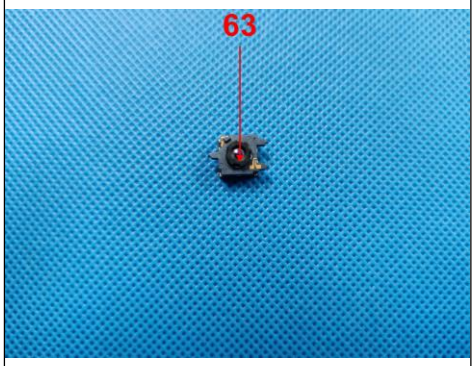
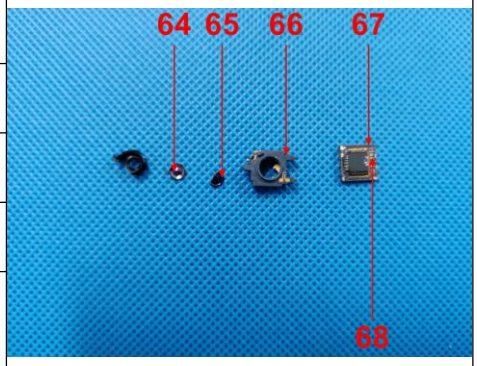
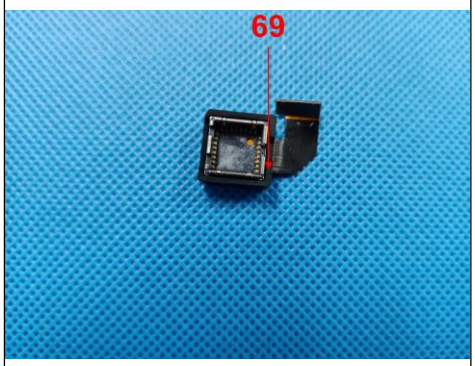
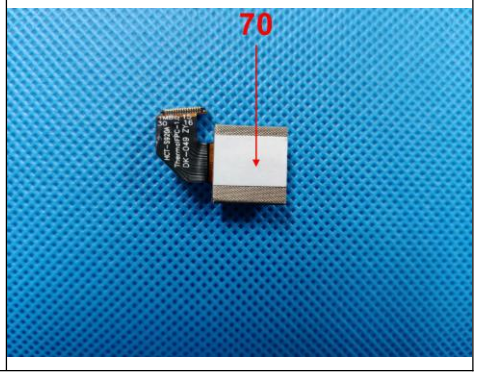
Sample No.	Description	Photograph
017	Black plastic	
018	Silvery plastic	
019	Transparent plastic	
020	Silvery plastic	
021	White plastic	
022	Transparent gray plastic	
023	White FPC	
024	Silvery solder	
025	Green plastic	

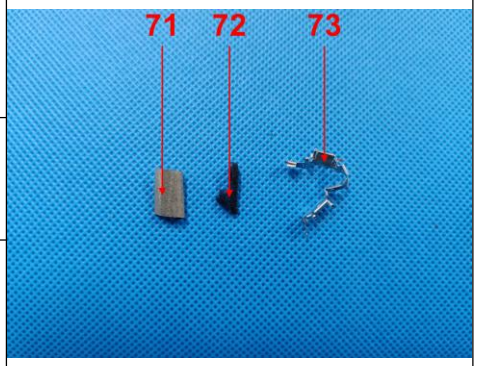
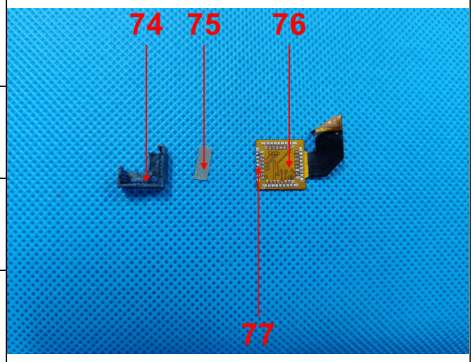
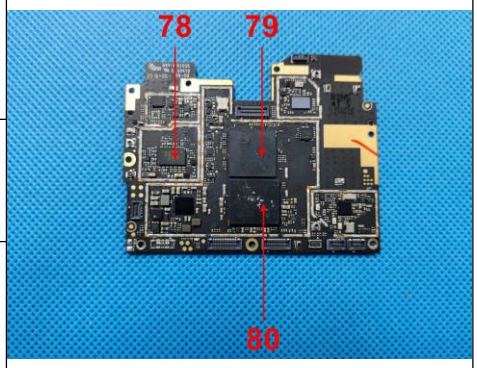
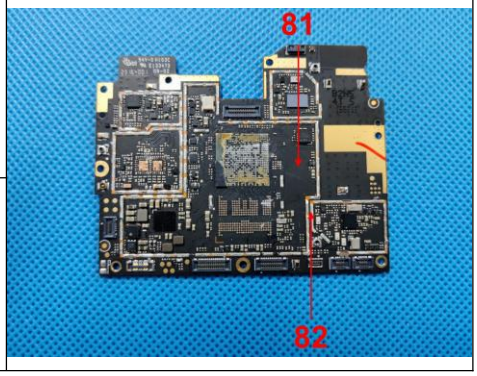
Sample No.	Description	Photograph
026	Color FPC	
027	Silvery solder	
028	Coppery metal	
029	Silvery metal	
030	Silvery metal (screw)	
031	Transparent plastic	
032	Black plastic	
033	Black foam	
034	Silvery metal foil	

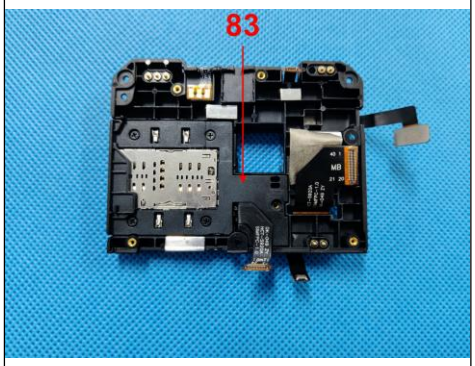
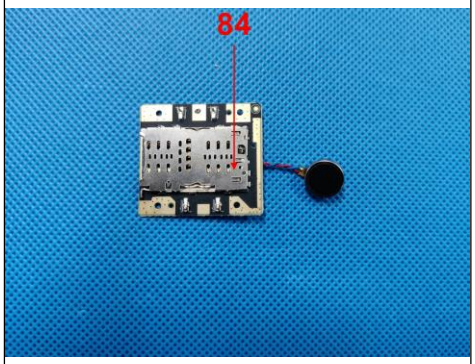
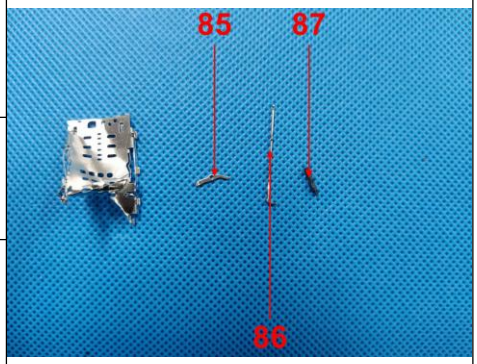
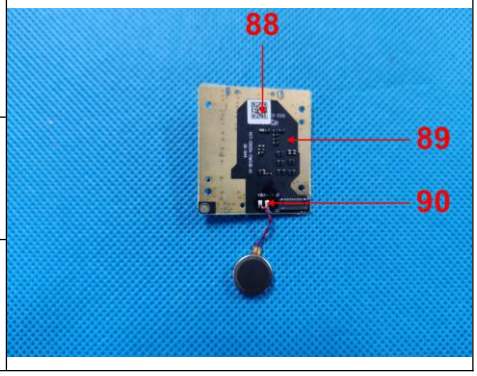
Sample No.	Description	Photograph
035	Black foam	
036	Black plastic	
037	Gray metal	
038	Silvery metal with black plating	
039	Pink glue	
040	Pink glue	
041	Gray glue	

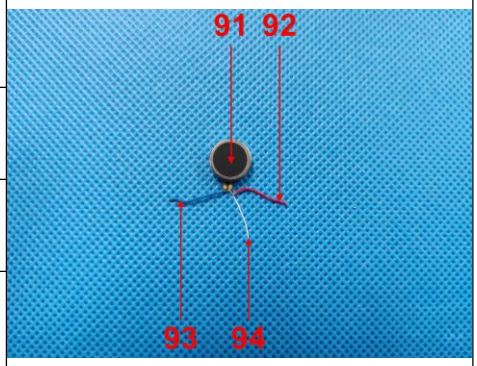
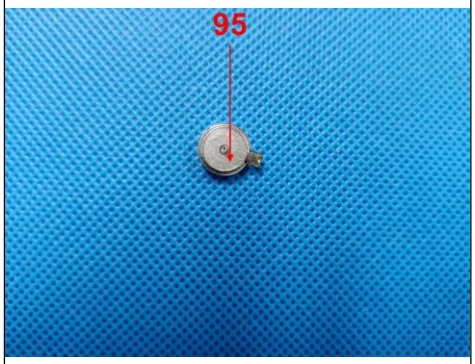
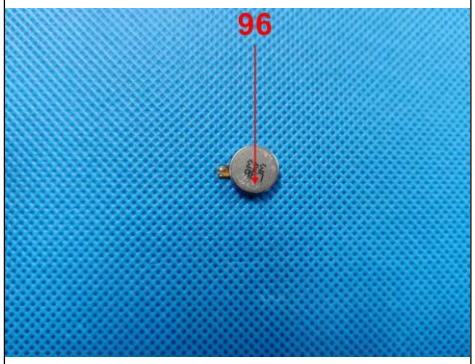
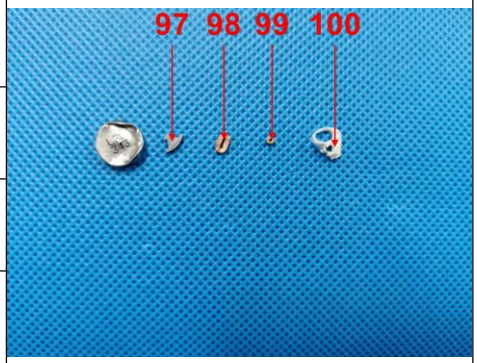
Sample No.	Description	Photograph
042	Black soft plastic	
043	White/black plastic	
044	Brown/black FPC	
045	Silvery metal	
046	Black plastic	
047	Transparent glass	

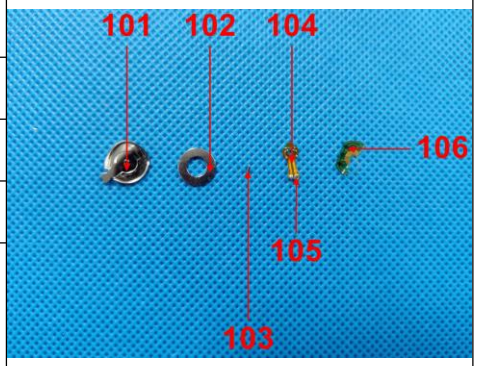
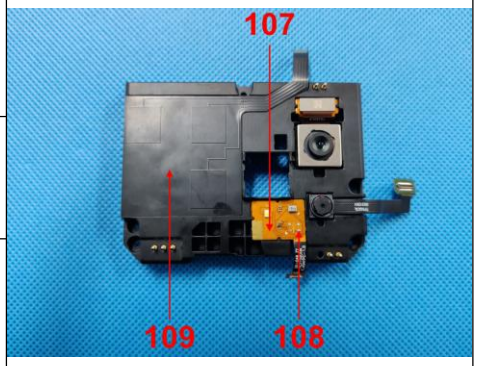
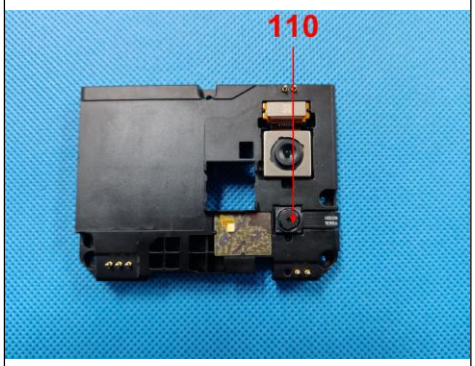
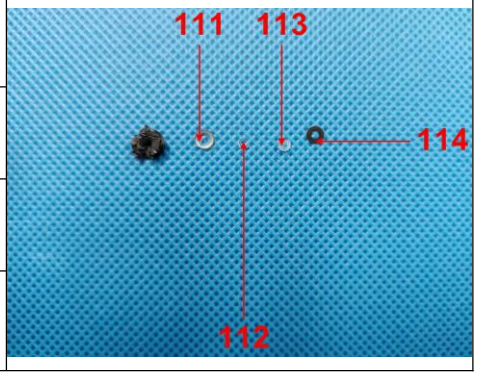
Sample No.	Description	Photograph
048	Black plastic	
049	Transparent glass	
050	Silvery metal with black plating	
051	Transparent glass	
052	Transparent glass	
053	Black plastic	
054	Transparent blue glass	
055	Black FPC	
056	Silvery solder	
057	Silvery metal with black plating	
058	Black plastic	
059	Black plastic	
060	Coppery metal	
061	Silvery metal	
062	Black plastic	

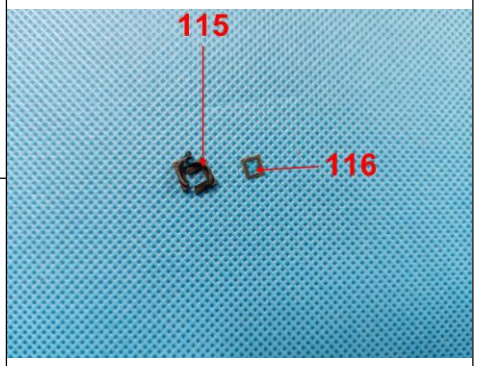
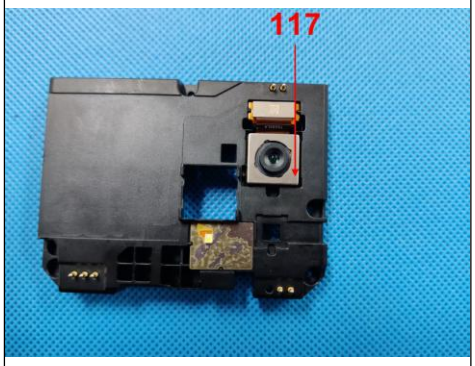
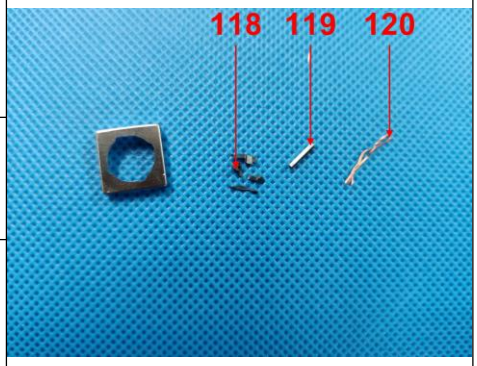
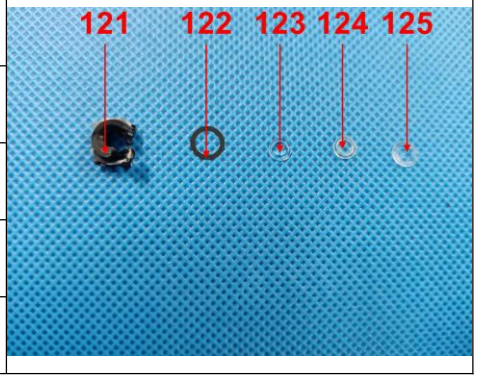
Sample No.	Description	Photograph
063	Black plastic	
064	Transparent glass	
065	Blue glass	
066	Grey plastic	
067	Gray PCB	
068	Silvery solder	
069	Black soft plastic	
070	White plastic	

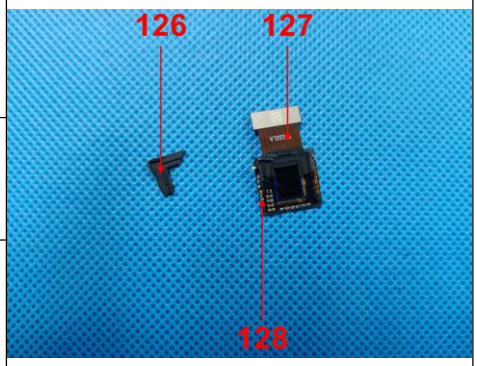
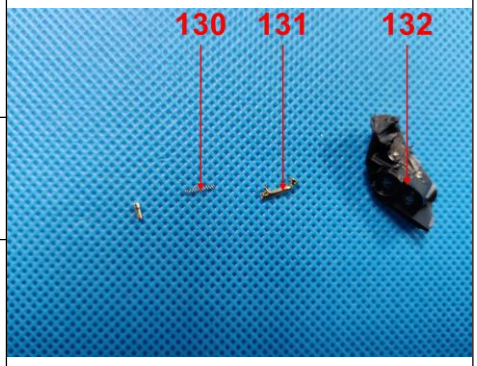
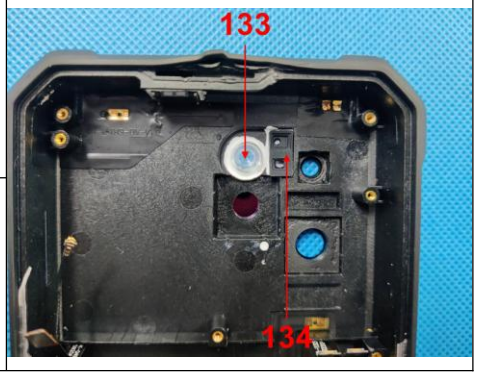
Sample No.	Description	Photograph
071	Grey textile	
072	Black foam	
073	Silvery metal	
074	Grey plastic	
075	Silvery metal	
076	Black/brown FPC	
077	Silvery solder	
078	Black body	
079	Black body	
080	Black body	
081	Black PCB	
082	Silvery solder	

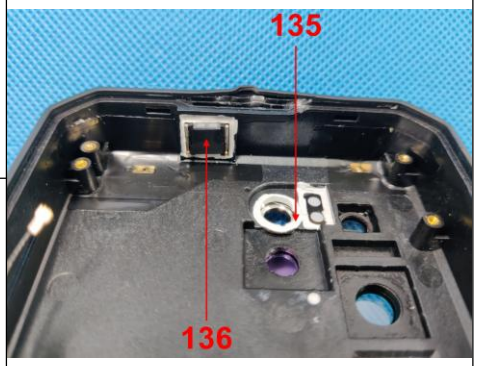
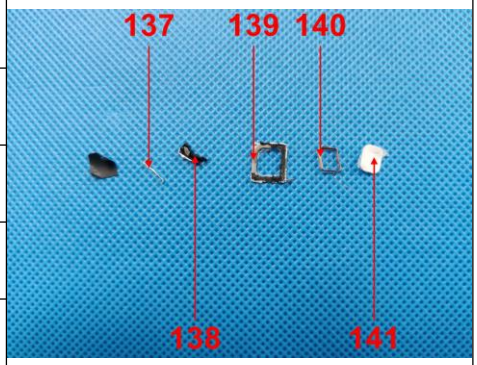
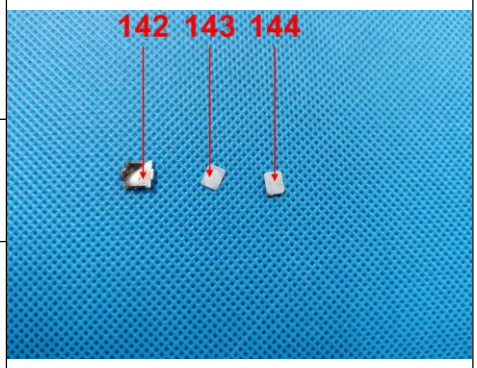
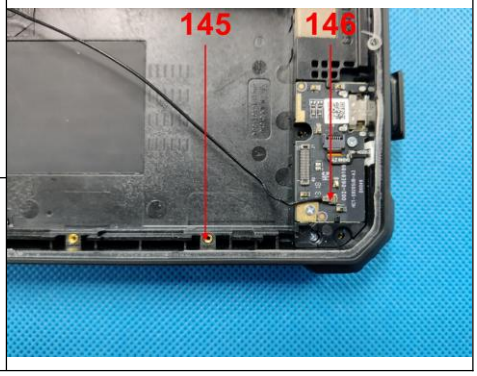
Sample No.	Description	Photograph
083	Black plastic	
084	Silvery metal	
085	Silvery metal	
086	Silvery metal	
087	Black plastic	
088	White/black plastic	
089	Black PCB	
090	Silvery solder	

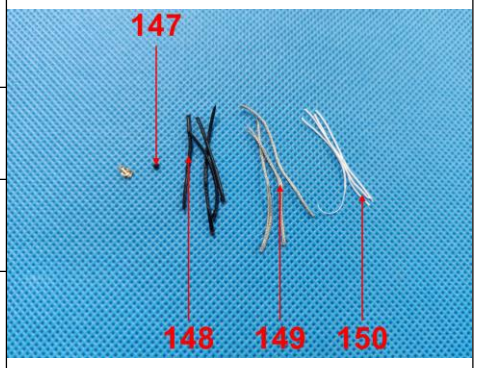
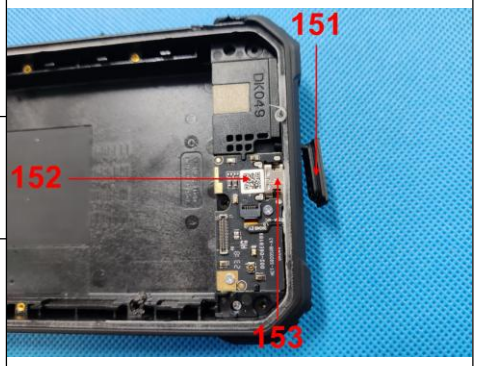
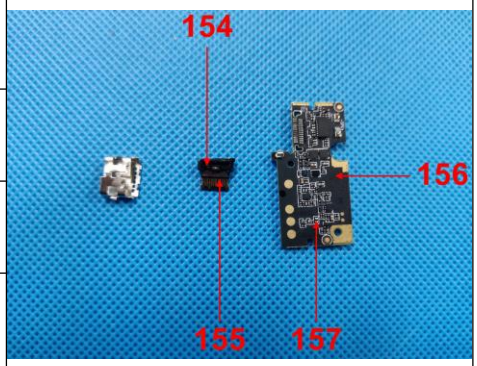
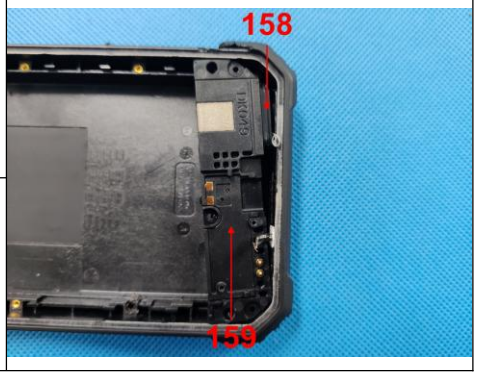
Sample No.	Description	Photograph
091	Black plastic	
092	Red soft plastic (wire jacket)	
093	Blue soft plastic (wire jacket)	
094	Silvery metal (wire core)	
095	White double-sided glue	
096	Silvery metal	
097	Silvery metal	
098	Coppery metal	
099	Golden metal	
100	White plastic	
101	Silvery metal	

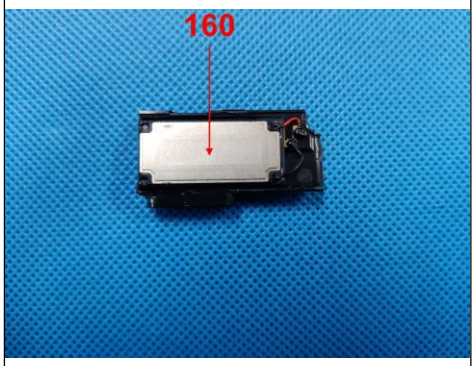
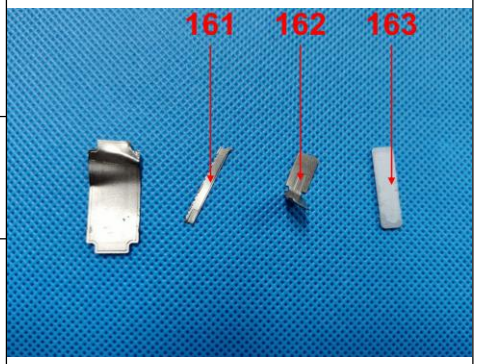
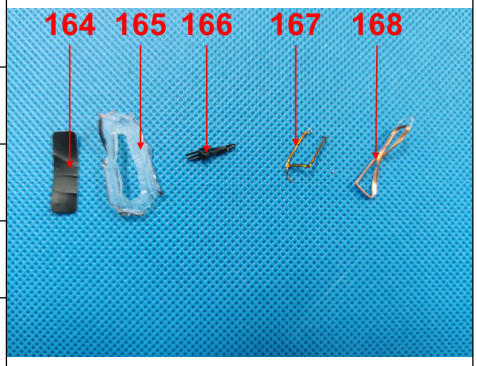
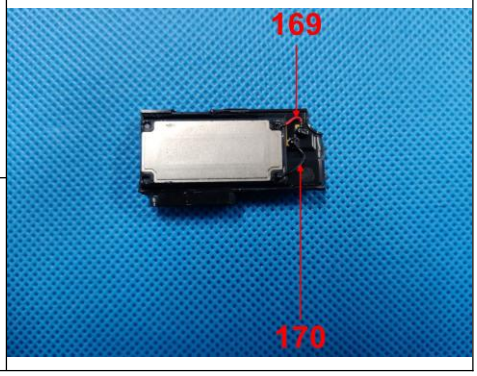
Sample No.	Description	Photograph
102	Silvery magnet	
103	Silvery metal	
104	Yellow FPC	
105	Silvery solder	
106	Green PCB	
107	Black/brown FPC	
108	Silvery solder	
109	Black FPC	
110	Black plastic	
111	Transparent glass	
112	Transparent glass	
113	Transparent glass	
114	Black plastic	

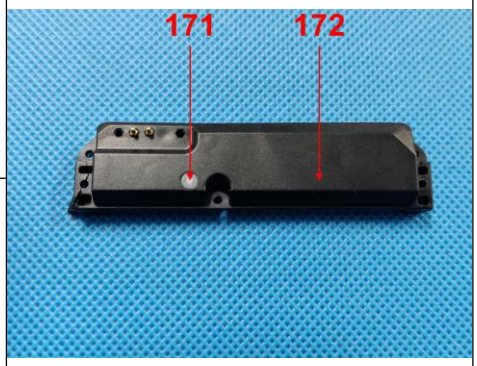
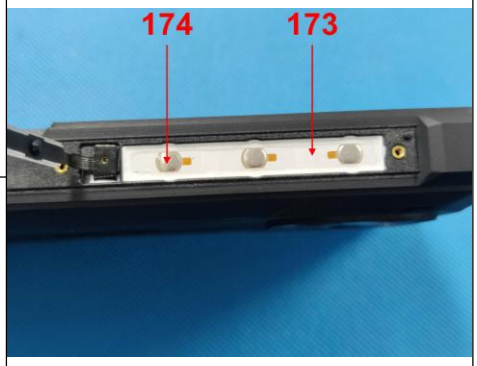
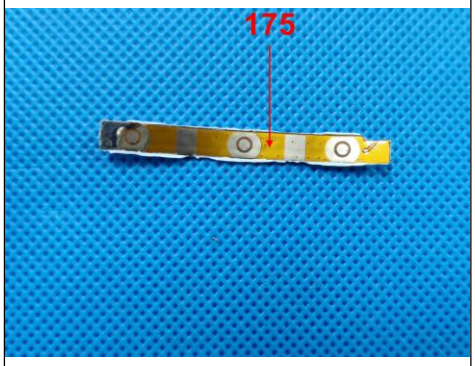
Sample No.	Description	Photograph
115	Black plastic	
116	Transparent blue glass	
117	Silvery metal	
118	Black plastic	
119	Silvery magnet	
120	Coppery metal	
121	Black plastic	
122	Black plastic	
123	Transparent glass	
124	Transparent glass	
125	Transparent glass	

Sample No.	Description	Photograph
126	Grey plastic	
127	Brown FPC	
128	Silvery solder	
129	Golden metal	
130	Silvery metal (spring)	
131	Golden metal	
132	Black plastic	
133	White plastic	
134	Black soft plastic	

Sample No.	Description	Photograph
135	White glue	
136	Black plastic	
137	Silvery metal	
138	Black plastic	
139	Silvery metal	
140	Coppery metal	
141	White plastic	
142	Silvery metal	
143	Silvery metal	
144	Silvery magnet	
145	Golden metal	
146	Golden metal	

Sample No.	Description	Photograph
147	Black plastic	
148	Black soft plastic (wire jacket)	
149	Silvery metal	
150	White soft plastic	
151	Black soft plastic	
152	White/black plastic	
153	Silvery metal (Type-C interface)	
154	Black plastic	
155	Golden metal	
156	Black PCB	
157	Silvery solder	
158	Black soft plastic	
159	Black plastic	

Sample No.	Description	Photograph
160	Silvery metal	
161	Silvery metal	
162	Silvery metal	
163	Silvery magnet	
164	Black plastic	
165	Transparent plastic	
166	Black plastic	
167	Brown FPC	
168	Coppery metal	
169	Red soft plastic (wire jacket)	
170	Black soft plastic (wire jacket)	

Sample No.	Description	Photograph
171	White plastic	
172	Black plastic	
173	White plastic	
174	Silvery metal	
175	Brown FPC	
176	Black soft plastic	
177	Black plastic	
178	Transparent plastic with black printing	
179	Gray metal	

Sample No.	Description	Photograph
180	Black plastic	

3. Test Results

3.1 Screening test for the specified hazardous substances of RoHS for the selected materials of the submitted sample:

- Heavy Metal (Cadmium, Chromium, Mercury, Lead) Content Test
- Bromine Content Test

According to IEC 62321-3-1:2013, and Quantification analyzed with Energy Dispersive X-ray Fluorescence Spectrometers.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 001	BL	BL	BL	BL	BL
Sample 002	BL	BL	BL	BL	BL
Sample 003	BL	BL	BL	Inconclusive^	N.A.
Sample 004	BL	BL	BL	BL	N.A.
Sample 005	BL	BL	BL	BL	N.A.
Sample 006	BL	BL	BL	BL	BL
Sample 007	BL	BL	BL	BL	N.A.
Sample 008	BL	BL	BL	BL	BL
Sample 009	BL	BL	BL	BL	BL
Sample 010	BL	BL	BL	Inconclusive^	N.A.
Sample 011	BL	BL	BL	BL	N.A.
Sample 012	BL	BL	BL	BL	BL
Sample 013	BL	BL	BL	BL	BL
Sample 014	BL	BL	BL	BL	BL
Sample 015	BL	BL	BL	BL	BL
Sample 016	BL	BL	BL	BL	BL
Sample 017	BL	BL	BL	BL	BL
Sample 018	BL	BL	BL	BL	BL
Sample 019	BL	BL	BL	BL	BL
Sample 020	BL	BL	BL	BL	BL
Sample 021	BL	BL	BL	BL	BL
Sample 022	BL	BL	BL	BL	BL
Sample 023	BL	BL	BL	BL	BL
Sample 024	BL	BL	BL	BL	N.A.
Sample 025	BL	BL	BL	BL	BL
Sample 026	BL	BL	BL	BL	BL

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 027	BL	BL	BL	BL	N.A.
Sample 028	BL	Inconclusive^	BL	BL	N.A.
Sample 029	BL	BL	BL	Inconclusive^	N.A.
Sample 030	BL	BL	BL	BL	N.A.
Sample 031	BL	BL	BL	BL	BL
Sample 032	BL	BL	BL	BL	BL
Sample 033	BL	BL	BL	BL	BL
Sample 034	BL	BL	BL	BL	N.A.
Sample 035	BL	BL	BL	BL	BL
Sample 036	BL	BL	BL	BL	BL
Sample 037	BL	Inconclusive^	BL	Inconclusive^	N.A.
Sample 038	BL	BL	BL	Inconclusive^	N.A.
Sample 039	BL	BL	BL	BL	BL
Sample 040	BL	BL	BL	BL	BL
Sample 041	BL	BL	BL	BL	BL
Sample 042	BL	BL	BL	BL	BL
Sample 043	BL	BL	BL	BL	BL
Sample 044	BL	BL	BL	BL	BL
Sample 045	BL	BL	BL	BL	N.A.
Sample 046	BL	BL	BL	BL	BL
Sample 047	BL	BL	BL	BL	BL
Sample 048	BL	BL	BL	BL	BL
Sample 049	BL	BL	BL	BL	BL
Sample 050	BL	BL	BL	BL	N.A.
Sample 051	BL	BL	BL	BL	BL
Sample 052	BL	BL	BL	BL	BL
Sample 053	BL	BL	BL	BL	BL
Sample 054	BL	BL	BL	BL	BL
Sample 055	BL	BL	BL	BL	BL
Sample 056	BL	BL	BL	BL	N.A.
Sample 057	BL	BL	BL	Inconclusive^	N.A.
Sample 058	BL	BL	BL	BL	BL
Sample 059	BL	BL	BL	Inconclusive^	BL
Sample 060	BL	BL	BL	BL	N.A.
Sample 061	BL	BL	BL	BL	N.A.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 062	BL	BL	BL	BL	BL
Sample 063	BL	BL	BL	BL	BL
Sample 064	BL	BL	BL	BL	BL
Sample 065	BL	BL	BL	BL	BL
Sample 066	BL	BL	BL	Inconclusive^	BL
Sample 067	BL	BL	BL	BL	BL
Sample 068	BL	BL	BL	Inconclusive^	N.A.
Sample 069	BL	BL	BL	BL	BL
Sample 070	BL	BL	BL	BL	BL
Sample 071	BL	BL	BL	BL	BL
Sample 072	BL	BL	BL	BL	BL
Sample 073	OL^	BL	BL	BL	N.A.
Sample 074	BL	BL	BL	BL	BL
Sample 075	BL	BL	BL	Inconclusive^	N.A.
Sample 076	BL	BL	BL	BL	BL
Sample 077	BL	BL	BL	Inconclusive^	N.A.
Sample 078	BL	BL	BL	BL	BL
Sample 079	BL	BL	BL	BL	BL
Sample 080	BL	BL	BL	BL	BL
Sample 081	BL	BL	BL	BL	BL
Sample 082	BL	BL	BL	BL	N.A.
Sample 083	BL	BL	BL	BL	BL
Sample 084	BL	BL	BL	Inconclusive^	N.A.
Sample 085	BL	BL	BL	Inconclusive^	N.A.
Sample 086	BL	BL	BL	Inconclusive^	N.A.
Sample 087	BL	BL	BL	BL	BL
Sample 088	BL	BL	BL	BL	BL
Sample 089	BL	BL	BL	BL	Inconclusive^
Sample 090	OL^	BL	BL	BL	N.A.
Sample 091	BL	BL	BL	BL	BL
Sample 092	BL	BL	BL	BL	BL
Sample 093	BL	BL	BL	BL	BL
Sample 094	BL	BL	BL	BL	N.A.
Sample 095	BL	BL	BL	BL	BL
Sample 096	BL	BL	BL	BL	N.A.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 097	BL	BL	BL	BL	N.A.
Sample 098	BL	BL	BL	BL	N.A.
Sample 099	BL	BL	BL	BL	N.A.
Sample 100	BL	BL	BL	BL	BL
Sample 101	BL	BL	BL	BL	N.A.
Sample 102	BL	BL	BL	BL	BL
Sample 103	BL	BL	BL	Inconclusive^	N.A.
Sample 104	BL	BL	BL	BL	BL
Sample 105	BL	BL	BL	BL	N.A.
Sample 106	BL	BL	BL	BL	BL
Sample 107	BL	BL	BL	BL	BL
Sample 108	BL	BL	BL	BL	N.A.
Sample 109	BL	BL	BL	BL	BL
Sample 110	BL	BL	BL	BL	BL
Sample 111	BL	BL	BL	BL	BL
Sample 112	BL	BL	BL	BL	BL
Sample 113	BL	BL	BL	BL	BL
Sample 114	BL	BL	BL	BL	BL
Sample 115	BL	BL	BL	BL	BL
Sample 116	BL	BL	BL	BL	BL
Sample 117	BL	BL	BL	Inconclusive^	N.A.
Sample 118	BL	BL	BL	BL	BL
Sample 119	BL	BL	BL	BL	BL
Sample 120	BL	BL	BL	BL	N.A.
Sample 121	BL	BL	BL	BL	BL
Sample 122	BL	BL	BL	BL	BL
Sample 123	BL	BL	BL	BL	BL
Sample 124	BL	BL	BL	BL	BL
Sample 125	BL	BL	BL	BL	BL
Sample 126	BL	BL	BL	BL	BL
Sample 127	BL	BL	BL	BL	BL
Sample 128	BL	BL	BL	BL	N.A.
Sample 129	BL	Inconclusive^	BL	BL	N.A.
Sample 130	BL	BL	BL	Inconclusive^	N.A.
Sample 131	BL	Inconclusive^	BL	BL	N.A.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 132	BL	BL	BL	BL	BL
Sample 133	BL	BL	BL	BL	BL
Sample 134	BL	BL	BL	BL	BL
Sample 135	BL	BL	BL	BL	BL
Sample 136	BL	BL	BL	BL	BL
Sample 137	BL	BL	BL	Inconclusive^	N.A.
Sample 138	BL	BL	BL	BL	BL
Sample 139	BL	BL	BL	BL	N.A.
Sample 140	BL	BL	BL	BL	N.A.
Sample 141	BL	BL	BL	BL	BL
Sample 142	BL	BL	BL	BL	N.A.
Sample 143	BL	BL	BL	BL	N.A.
Sample 144	BL	BL	BL	BL	BL
Sample 145	BL	BL	BL	BL	N.A.
Sample 146	BL	BL	BL	BL	N.A.
Sample 147	BL	BL	BL	BL	BL
Sample 148	BL	BL	BL	BL	BL
Sample 149	BL	BL	BL	BL	N.A.
Sample 150	BL	BL	BL	BL	BL
Sample 151	BL	BL	BL	BL	BL
Sample 152	BL	BL	BL	BL	BL
Sample 153	BL	BL	BL	Inconclusive^	N.A.
Sample 154	BL	BL	BL	Inconclusive^	BL
Sample 155	BL	BL	BL	Inconclusive^	N.A.
Sample 156	BL	BL	BL	BL	Inconclusive^
Sample 157	BL	BL	BL	BL	N.A.
Sample 158	BL	BL	BL	BL	BL
Sample 159	BL	BL	BL	BL	BL
Sample 160	BL	BL	BL	BL	N.A.
Sample 161	BL	BL	BL	BL	N.A.
Sample 162	BL	BL	BL	BL	N.A.
Sample 163	BL	BL	BL	BL	BL
Sample 164	BL	BL	BL	BL	BL
Sample 165	BL	BL	BL	BL	BL
Sample 166	BL	BL	BL	BL	BL

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 167	BL	BL	BL	BL	BL
Sample 168	BL	BL	BL	BL	N.A.
Sample 169	BL	BL	BL	BL	BL
Sample 170	BL	BL	BL	BL	BL
Sample 171	BL	BL	BL	BL	BL
Sample 172	BL	BL	BL	BL	BL
Sample 173	BL	BL	BL	BL	BL
Sample 174	BL	BL	BL	Inconclusive^	N.A.
Sample 175	BL	BL	BL	BL	BL
Sample 176	BL	BL	BL	BL	BL
Sample 177	BL	BL	BL	BL	BL
Sample 178	BL	BL	BL	BL	BL
Sample 179	BL	BL	BL	BL	N.A.
Sample 180	BL	BL	BL	BL	BL

Note:

1. All Concentrations express in “mg/kg” (milligram per kilogram), mg/kg ~ ppm
2. “OL” denotes “over limit”
3. “BL” denotes “below limit”
4. “N.A.” denotes “Not Applicable”
5. “Inconclusive” denotes result is intermediate between “OL” and “BL”
6. “^”denotes the screening result was inconclusive(X) or over limit (OL), thus further confirmation test was conducted, results are listed in 3.2 and 3.3.

XRF screening limits for different materials:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metal	BL≤(70-3σ)<X<(130+3σ)≤OL	BL≤(700-3σ)<X	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	N.A.
Polymers	BL≤(70-3σ)<X<(130+3σ)≤OL	BL≤(700-3σ)<X	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(300-3σ)<X
Composite material	BL≤(50-3σ)<X<(150+3σ)≤OL	BL≤(500-3σ)<X	BL≤(500-3σ)<X<(1500+3σ)≤OL	BL≤(500-3σ)<X<(1500+3σ)≤OL	BL≤(250-3σ)<X

3. 2 Test for Heavy Metals

– Lead, Cadmium, Hexavalent Chromium and Mercury Tests according to IEC 62321-4:2013+A1:2017 &IEC 62321-5:2013 & IEC 62321-7-1:2015& IEC 62321-7-2:2017, Analysis was conducted by ICP-OES, UV-VIS, AAS.

Element	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium※ [μg/cm²]	Hexavalent Chromium [mg/kg]
Detection Limit	**5**	**5**	**5**	**0.10**	**5**
Limit	**100**	**1000**	**1000**	**-**	**1000**
Sample 003	/	/	/	N.D.	/
Sample 010	/	/	/	N.D.	/
Sample 028	/	16	/	/	/
Sample 029	/	/	/	N.D.	/
Sample 037	/	494	/	N.D.	/
Sample 038	/	/	/	N.D.	/
Sample 057	/	/	/	N.D.	/
Sample 059	/	/	/	/	N.D.
Sample 066	/	/	/	/	N.D.
Sample 068	/	/	/	N.D.	/
Sample 073	N.D.	/	/	/	/
Sample 075	/	/	/	N.D.	/
Sample 077	/	/	/	N.D.	/
Sample 084	/	/	/	N.D.	/
Sample 085	/	/	/	N.D.	/
Sample 086	/	/	/	N.D.	/
Sample 090	N.D.	/	/	/	/
Sample 103	/	/	/	N.D.	/
Sample 117	/	/	/	N.D.	/
Sample 129	/	34792Φ	/	/	/
Sample 130	/	/	/	N.D.	/
Sample 131	/	35654Φ	/	/	/
Sample 137	/	/	/	N.D.	/
Sample 153	/	/	/	N.D.	/
Sample 154	/	/	/	/	N.D.
Sample 155	/	/	/	N.D.	/
Sample 174	/	/	/	N.D.	/

Note:

1. All Concentrations express in “mg/kg”(milligram per kilogram), mg/kg ~ ppm.
2. “N.D.” = “Not Detected”.
3. ※= a. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm^2 sample surface area is higher than 0.13 μg/cm^2, the sample is positive, that is, contains hexavalent chromium;
   b. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm^2 sample surface area is N.D.(less than 0.10μg/cm^2), the sample is negative, that is, no hexavalent chromium is detected;
   c. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm^2 sample surface area is between 0.10μg/cm^2 and 0.13μg/cm^2, it is not possible to directly determine whether hexavalent chromium is detected.

   Surface differences of samples from different individuals may affect the determination results:
   Since the storage condition and production date of the sample are not known, the test result of the sample can only represent the state of the sample containing hexavalent chromium at the time of the test.
4. Positive = result be regarded as not comply with RoHS requirement
   Negative = result be regarded as comply with RoHS requirement
5. “-” =Not regulated
6. “Φ”=the sample 129, sample 131 are copper alloy.The lead content which is under 4% is exempted from the requirement of directive 2011/65/EU(RoHS)Annex Ⅲ 6(c).

3. 3 Test for Flame retardants

– Test method: According to IEC 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 5mg/kg]

Test Item		Result [mg/kg]		RoHS Requirement [mg/kg]
		Sample 089	Sample 156	
PBBs	Monobromobiphenyl	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	
	Sum of PBBs	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	
	Sum of PBDEs	< 5	< 5	

Note:

1. All Concentrations express in “mg/kg” (milligram per kilogram), mg/kg ~ ppm.
2. “<” denotes less than

3.4 Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) Content—RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863

Test method: According to IEC 62321-8:2017; Analysis was conducted by GC-MS&LC-MS.

Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	**50**	**50**	**50**	**50**
Limit	**1000**	**1000**	**1000**	**1000**
Sample 001	N.D.	N.D.	N.D.	N.D.
Sample 002	N.D.	N.D.	N.D.	N.D.
Sample 006	N.D.	N.D.	N.D.	N.D.
Sample 008	N.D.	N.D.	N.D.	N.D.
Sample 009	N.D.	N.D.	N.D.	N.D.
Sample 012	N.D.	N.D.	N.D.	N.D.
Sample 013	N.D.	N.D.	N.D.	N.D.
Sample 014	N.D.	N.D.	N.D.	N.D.
Sample 015	N.D.	N.D.	N.D.	N.D.
Sample 016	N.D.	N.D.	N.D.	N.D.
Sample 017	N.D.	N.D.	N.D.	N.D.
Sample 018	N.D.	N.D.	N.D.	N.D.
Sample 019	N.D.	N.D.	N.D.	N.D.
Sample 020	N.D.	N.D.	N.D.	N.D.
Sample 021	N.D.	N.D.	N.D.	N.D.
Sample 022	N.D.	N.D.	N.D.	N.D.
Sample 023	N.D.	N.D.	N.D.	N.D.
Sample 025	N.D.	N.D.	N.D.	N.D.
Sample 026	N.D.	N.D.	N.D.	N.D.
Sample 031	N.D.	N.D.	N.D.	N.D.
Sample 032	N.D.	N.D.	N.D.	N.D.
Sample 033	N.D.	N.D.	N.D.	N.D.
Sample 035	N.D.	N.D.	N.D.	N.D.
Sample 036	N.D.	N.D.	N.D.	N.D.
Sample 039	N.D.	N.D.	N.D.	N.D.
Sample 040	N.D.	N.D.	N.D.	N.D.
Sample 041	N.D.	N.D.	N.D.	N.D.
Sample 042	N.D.	N.D.	N.D.	N.D.
Sample 043	N.D.	N.D.	N.D.	N.D.

Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	**50**	**50**	**50**	**50**
Limit	**1000**	**1000**	**1000**	**1000**
Sample 044	N.D.	N.D.	N.D.	N.D.
Sample 046	N.D.	N.D.	N.D.	N.D.
Sample 047	N.D.	N.D.	N.D.	N.D.
Sample 048	N.D.	N.D.	N.D.	N.D.
Sample 049	N.D.	N.D.	N.D.	N.D.
Sample 051	N.D.	N.D.	N.D.	N.D.
Sample 052	N.D.	N.D.	N.D.	N.D.
Sample 053	N.D.	N.D.	N.D.	N.D.
Sample 054	N.D.	N.D.	N.D.	N.D.
Sample 055	N.D.	N.D.	N.D.	N.D.
Sample 058	N.D.	N.D.	N.D.	N.D.
Sample 059	N.D.	N.D.	N.D.	N.D.
Sample 062	N.D.	N.D.	N.D.	N.D.
Sample 063	N.D.	N.D.	N.D.	N.D.
Sample 064	N.D.	N.D.	N.D.	N.D.
Sample 065	N.D.	N.D.	N.D.	N.D.
Sample 066	N.D.	N.D.	N.D.	N.D.
Sample 067	N.D.	N.D.	N.D.	N.D.
Sample 069	N.D.	N.D.	N.D.	N.D.
Sample 070	N.D.	N.D.	N.D.	N.D.
Sample 071	N.D.	N.D.	N.D.	N.D.
Sample 072	N.D.	N.D.	N.D.	N.D.
Sample 074	N.D.	N.D.	N.D.	N.D.
Sample 076	N.D.	N.D.	N.D.	N.D.
Sample 078	N.D.	N.D.	N.D.	N.D.
Sample 079	N.D.	N.D.	N.D.	N.D.
Sample 080	N.D.	N.D.	N.D.	N.D.
Sample 081	N.D.	N.D.	N.D.	N.D.
Sample 083	N.D.	N.D.	N.D.	N.D.
Sample 087	N.D.	N.D.	N.D.	N.D.
Sample 088	N.D.	N.D.	N.D.	N.D.
Sample 089	N.D.	N.D.	N.D.	N.D.
Sample 091	N.D.	N.D.	N.D.	N.D.

Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	**50**	**50**	**50**	**50**
Limit	**1000**	**1000**	**1000**	**1000**
Sample 092	N.D.	N.D.	N.D.	N.D.
Sample 093	N.D.	N.D.	N.D.	N.D.
Sample 095	N.D.	N.D.	N.D.	N.D.
Sample 100	N.D.	N.D.	N.D.	N.D.
Sample 102	N.D.	N.D.	N.D.	N.D.
Sample 104	N.D.	N.D.	N.D.	N.D.
Sample 106	N.D.	N.D.	N.D.	N.D.
Sample 107	N.D.	N.D.	N.D.	N.D.
Sample 109	N.D.	N.D.	N.D.	N.D.
Sample 110	N.D.	N.D.	N.D.	N.D.
Sample 111	N.D.	N.D.	N.D.	N.D.
Sample 112	N.D.	N.D.	N.D.	N.D.
Sample 113	N.D.	N.D.	N.D.	N.D.
Sample 114	N.D.	N.D.	N.D.	N.D.
Sample 115	N.D.	N.D.	N.D.	N.D.
Sample 116	N.D.	N.D.	N.D.	N.D.
Sample 118	N.D.	N.D.	N.D.	N.D.
Sample 119	N.D.	N.D.	N.D.	N.D.
Sample 121	N.D.	N.D.	N.D.	N.D.
Sample 122	N.D.	N.D.	N.D.	N.D.
Sample 123	N.D.	N.D.	N.D.	N.D.
Sample 124	N.D.	N.D.	N.D.	N.D.
Sample 125	N.D.	N.D.	N.D.	N.D.
Sample 126	N.D.	N.D.	N.D.	N.D.
Sample 127	N.D.	N.D.	N.D.	N.D.
Sample 132	N.D.	N.D.	N.D.	N.D.
Sample 133	N.D.	N.D.	N.D.	N.D.
Sample 134	N.D.	N.D.	N.D.	N.D.
Sample 135	N.D.	N.D.	N.D.	N.D.
Sample 136	N.D.	N.D.	N.D.	N.D.
Sample 138	N.D.	N.D.	N.D.	N.D.
Sample 141	N.D.	N.D.	N.D.	N.D.
Sample 144	N.D.	N.D.	N.D.	N.D.

Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	**50**	**50**	**50**	**50**
Limit	**1000**	**1000**	**1000**	**1000**
Sample 147	N.D.	N.D.	N.D.	N.D.
Sample 148	N.D.	N.D.	N.D.	N.D.
Sample 150	N.D.	N.D.	N.D.	N.D.
Sample 151	N.D.	N.D.	N.D.	N.D.
Sample 152	N.D.	N.D.	N.D.	N.D.
Sample 154	N.D.	N.D.	N.D.	N.D.
Sample 156	N.D.	N.D.	N.D.	N.D.
Sample 158	N.D.	N.D.	N.D.	N.D.
Sample 159	N.D.	N.D.	N.D.	N.D.
Sample 163	N.D.	N.D.	N.D.	N.D.
Sample 164	N.D.	N.D.	N.D.	N.D.
Sample 165	N.D.	N.D.	N.D.	N.D.
Sample 166	N.D.	N.D.	N.D.	N.D.
Sample 167	N.D.	N.D.	N.D.	N.D.
Sample 169	N.D.	N.D.	N.D.	N.D.
Sample 170	N.D.	N.D.	N.D.	N.D.
Sample 171	N.D.	N.D.	N.D.	N.D.
Sample 172	N.D.	N.D.	N.D.	N.D.
Sample 173	N.D.	N.D.	N.D.	N.D.
Sample 175	N.D.	N.D.	N.D.	N.D.
Sample 176	N.D.	N.D.	N.D.	N.D.
Sample 177	N.D.	N.D.	N.D.	N.D.
Sample 178	N.D.	N.D.	N.D.	N.D.
Sample 180	N.D.	N.D.	N.D.	N.D.

Note:

1. All Concentrations express in “mg/kg”(milligram per kilogram), mg/kg ~ ppm.
2. “N.D.” = “Not Detected”.

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

Photo of the Submitted Sample

*** End of Report ***