



HP-LAB

TEST REPORT

No.HP231120063001-1

Date: Nov 29, 2023

Page 1 of 35

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: Tablet
Main test/test model: Tab 16 Pro
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: Nov 20, 2023
Test Period: Nov 20, 2023 to Nov 29, 2023
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).

WRITTEN BY :

Yuan Jing Wen Jane

Report writer

REVIEWED BY:

Qin Hong Tu Hunt

Report Reviewer

APPROVED BY:

Tang Xiu Sheng Tony

Laboratory manager

Issue Date: Nov 29, 2023




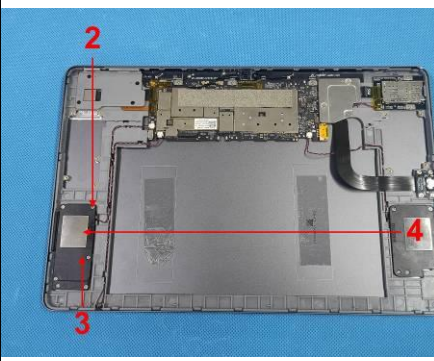
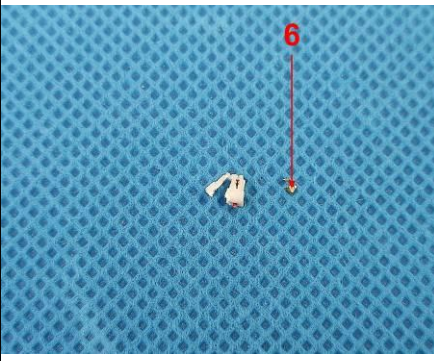


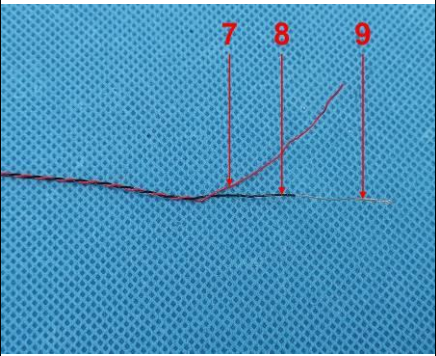
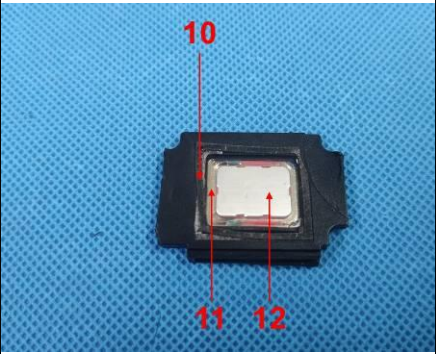
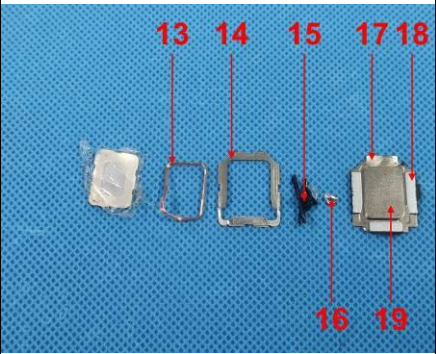
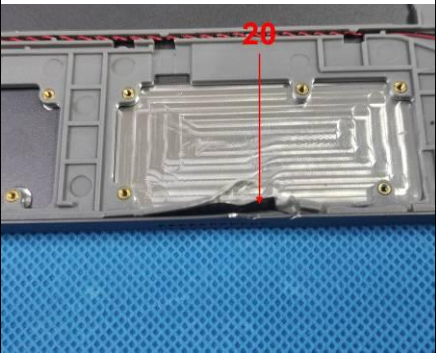
CONCLUSION :

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
Tablet	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

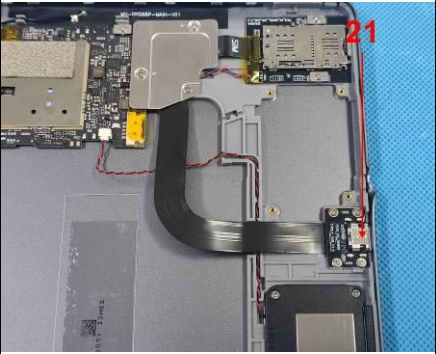
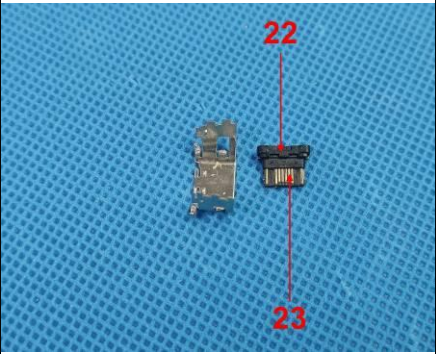
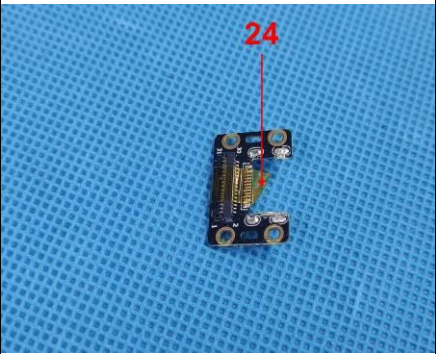
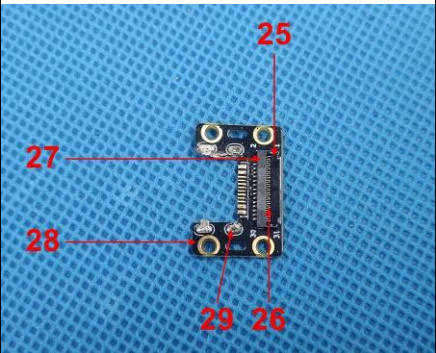
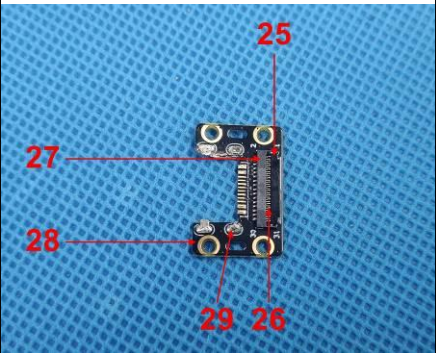


2. Test Item Description And Photo List

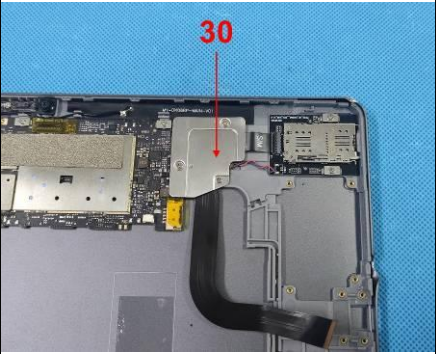
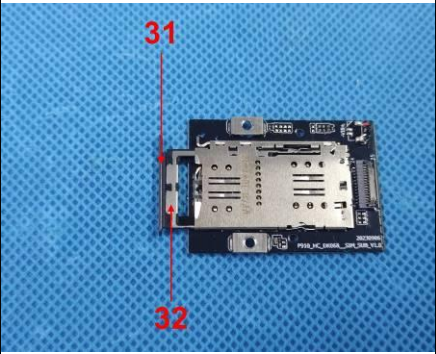
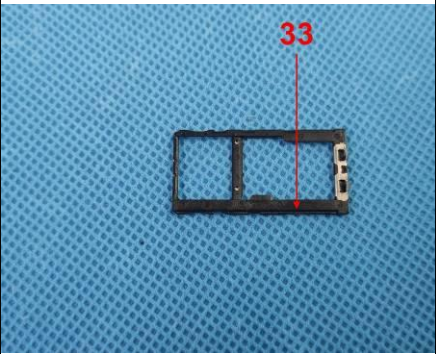
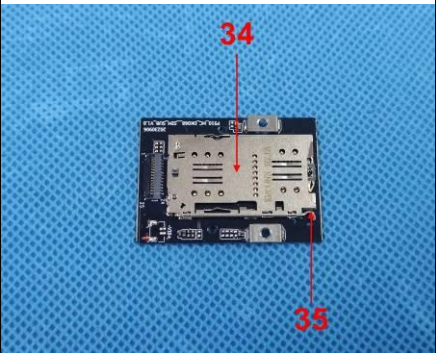
Sample No.	Description	Photograph
001	Silvery metal with grey plating	
002	Silvery metal (screw)	
003	Black plastic	
004	Silvery metal	
005	White plastic	
006	Golden metal	

Sample No.	Description	Photograph
007	Red soft plastic (wire jacket)	
008	Black soft plastic (wire jacket)	
009	Silvery metal (wire core)	
010	Black foam	
011	Transparent plastic	
012	Silvery plastic	
013	Coppery metal	
014	Silvery metal	
015	Black plastic	
016	Silvery solder	
017	Silvery metal	
018	Silvery magnet	
019	Silvery metal	
020	Black textile	

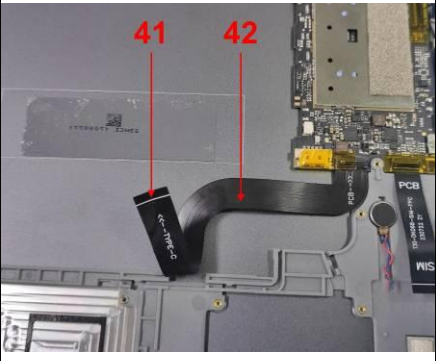
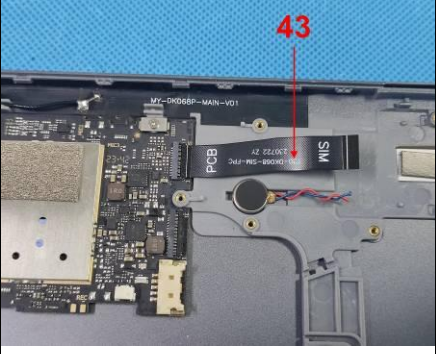


Sample No.	Description	Photograph
021	Silvery metal (Type-C socket)	
022	Black plastic	
023	Golden metal	
024	Yellow plastic	
025	Black plastic	
026	Silvery metal	
027	Grey plastic	
028	Black PCB	
029	Silvery solder	



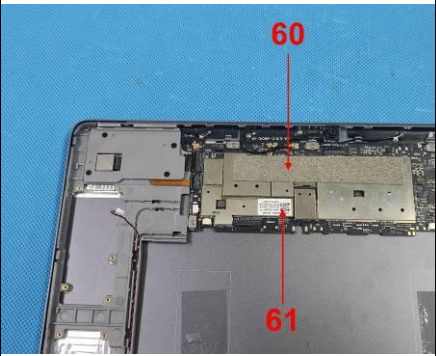
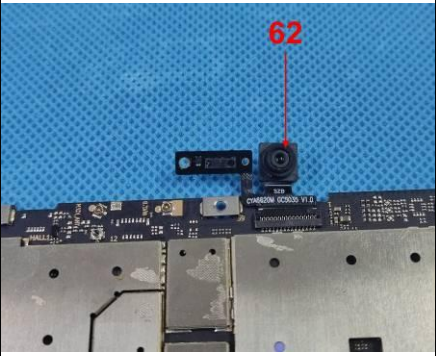
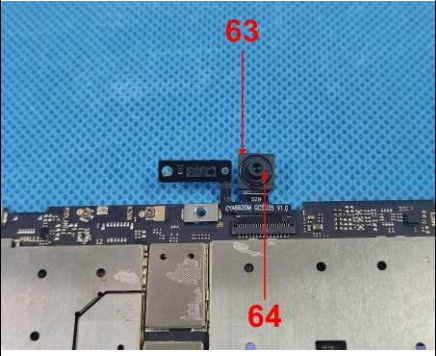
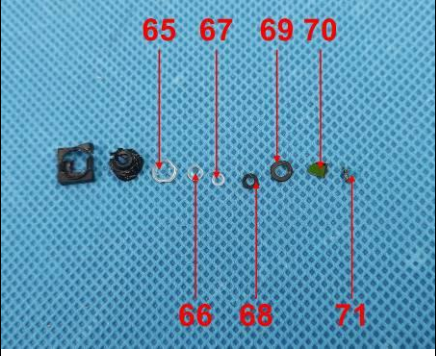
Sample No.	Description	Photograph
030	Silvery metal	
031	Silvery metal with black plating	
032	Silvery metal	
033	Black plastic	
034	Silvery metal	
035	Silvery metal	

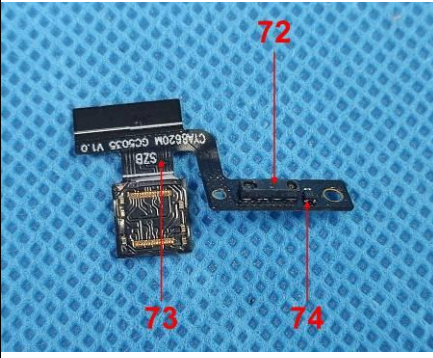
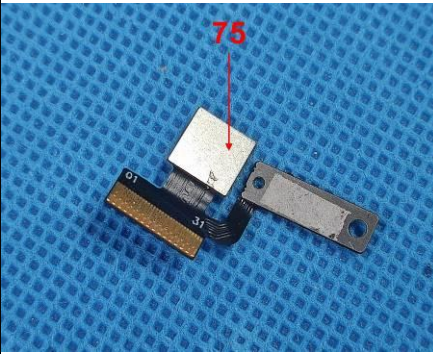
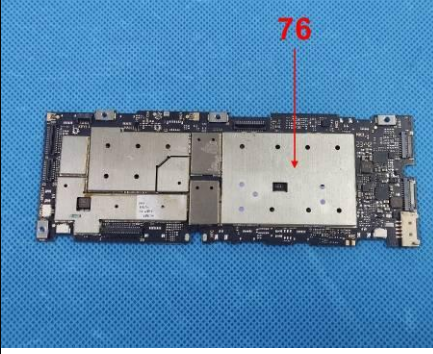


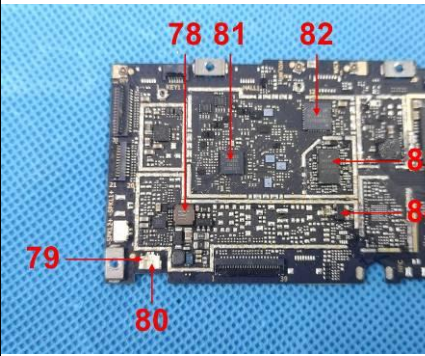
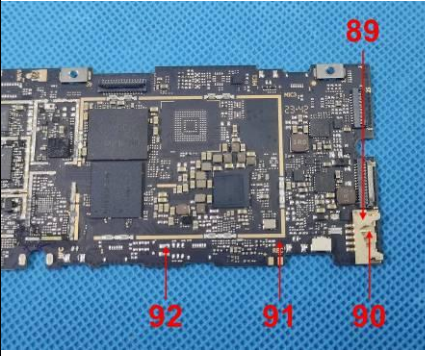
Sample No.	Description	Photograph
036	Silvery metal	
037	Silvery metal with golden plating	
038	Grey plastic	
039	Black PCB	
040	Silvery solder	
041	Brown plastic	
042	Black FPC	
043	Black FPC	
044	Silvery textile	
045	Black foam	

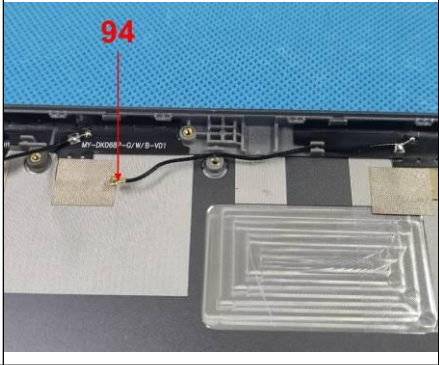
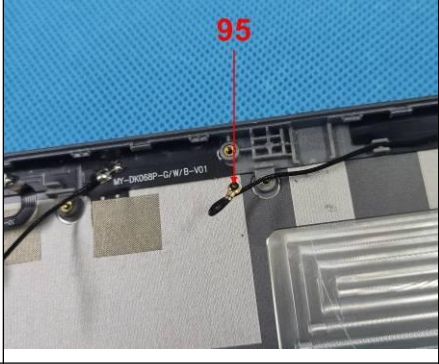
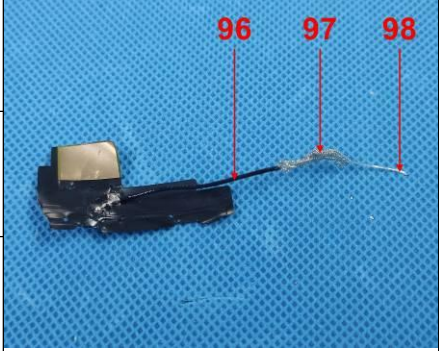
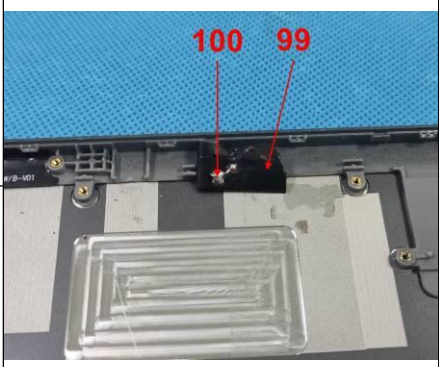



Sample No.	Description	Photograph
046	Red soft plastic (wire jacket)	
047	Blue soft plastic (wire jacket)	
048	Black foam	
049	Silvery metal	
050	Silvery metal	
051	Translucent glue	
052	Brown FPC	
053	Silvery solder	
054	Silvery magnet	
055	Silvery metal	
056	Copper metal	
057	Golden metal	
058	White plastic	
059	Green PCB	

Sample No.	Description	Photograph
060	Silvery foam	
061	White paper with black printing (label)	
062	Black soft plastic	
063	Black plastic	
064	Black plastic	
065	Transparent plastic	
066	Transparent plastic	
067	Transparent plastic	
068	Black plastic	
069	Silvery metal with black plating	
070	Mirror body	
071	Transparent glass	

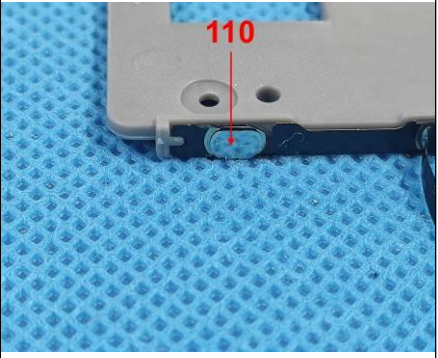

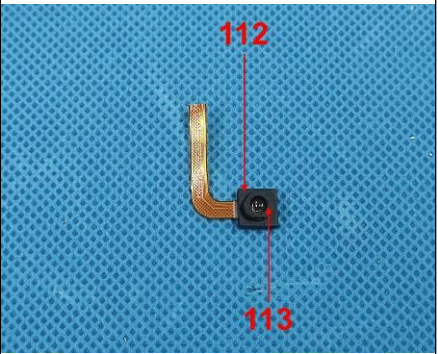
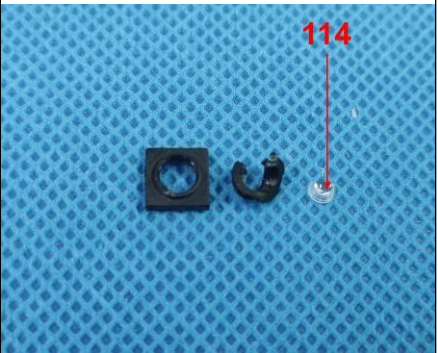
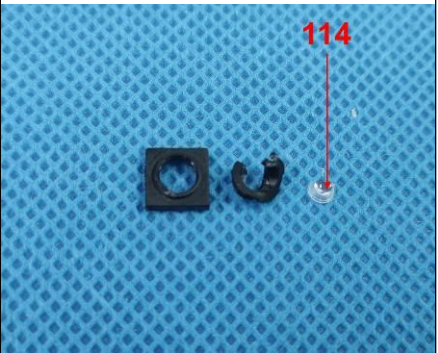
Sample No.	Description	Photograph
072	Black body	
073	Black FPC	
074	Silvery solder	
075	Silvery metal	
076	Silvery metal	
077	Blue silicone	

Sample No.	Description	Photograph
078	Brown body	
079	White plastic	
080	Silvery metal	
081	Black body	
082	Black body	
083	Black body	
084	Black body	
085	Black body	
086	Black body	
087	Black body	
088	Silvery body (crystal)	
089	Beige plastic	
090	Golden metal	
091	Black PCB	
092	Silvery solder	
093	Black plastic	

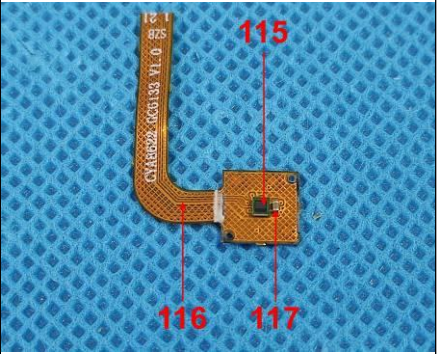
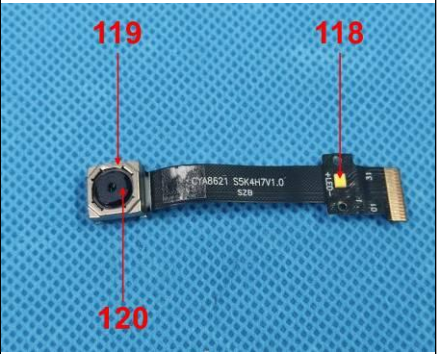
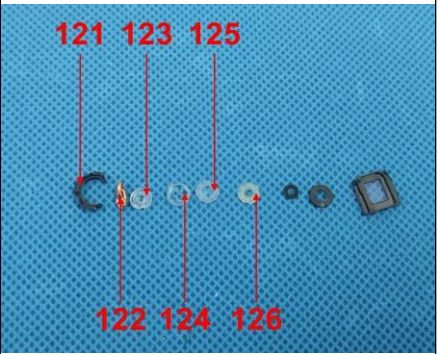
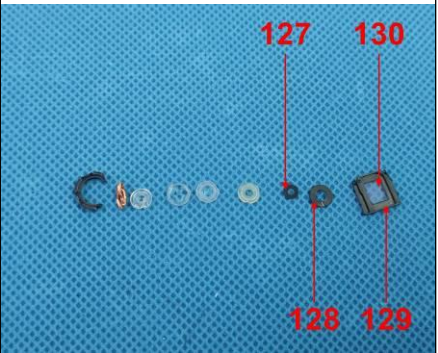
Sample No.	Description	Photograph
094	Golden metal	
095	Black plastic	
096	Black soft plastic (wire jacket)	
097	Silvery metal	
098	Transparent soft plastic (wire jacket)	
099	Black FPC	
100	Silvery solder	

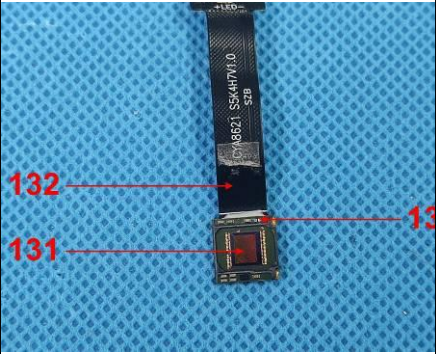
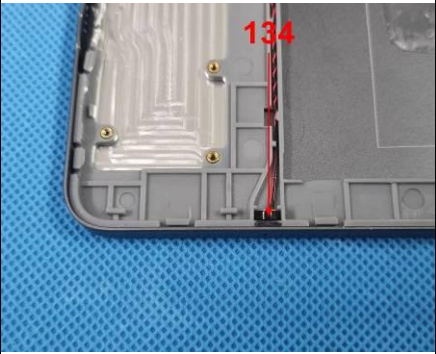
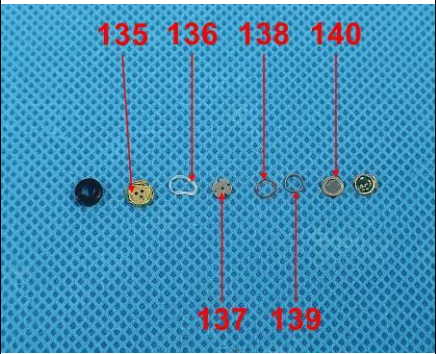
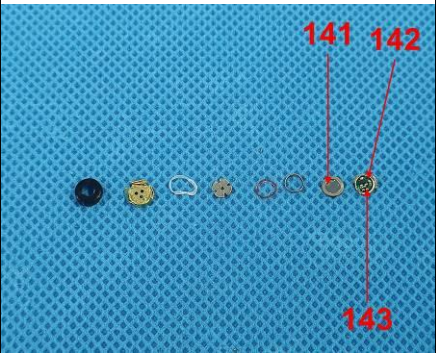
Sample No.	Description	Photograph
101	Black FPC	
102	Silvery solder	
103	Black FPC	
104	Silvery solder	
105	Silvery metal with black plating (screw)	
106	Grey plastic	
107	Black plastic	
108	Black FPC	
109	Black plastic	

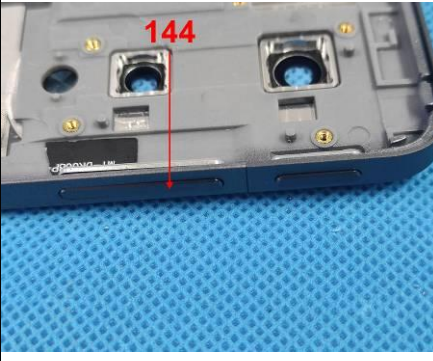
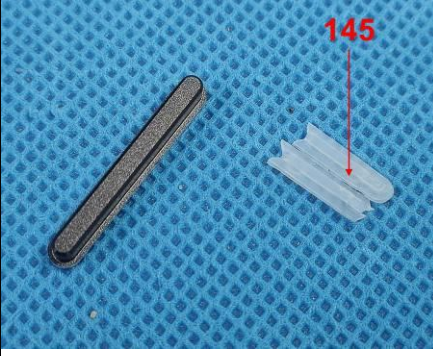





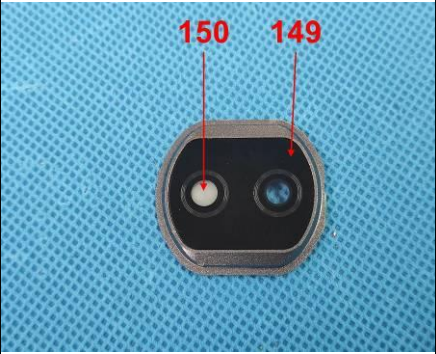

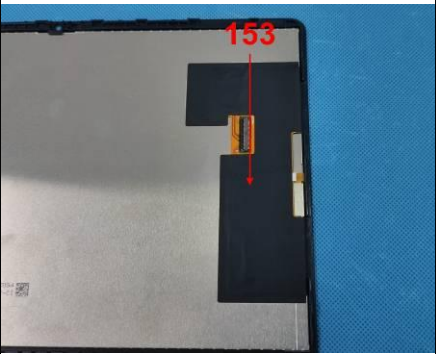
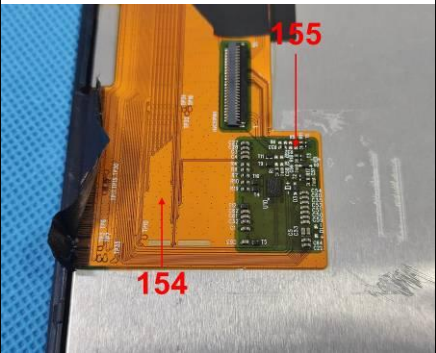
Sample No.	Description	Photograph
110	Silvery metal	
111	Brown plastic	
112	Black plastic	
113	Black plastic	
114	Transparent plastic	

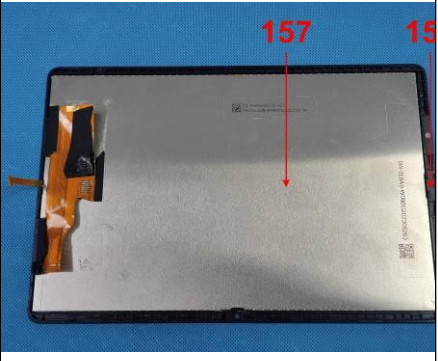
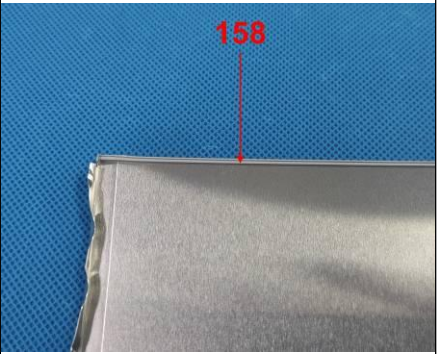
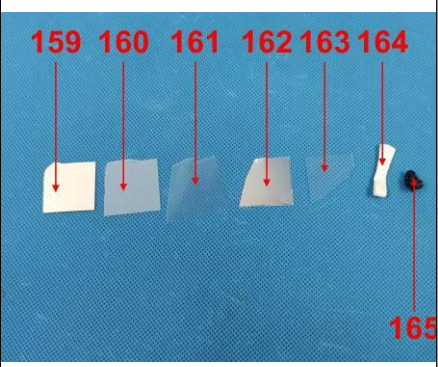
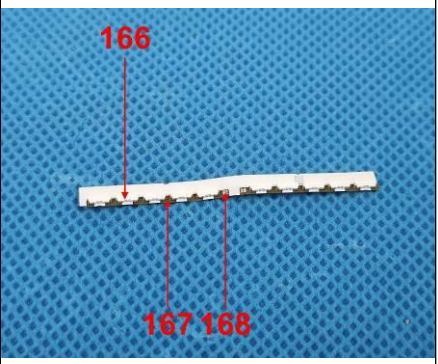


Sample No.	Description	Photograph
115	Mirror body	
116	Brown FPC	
117	Silvery solder	
118	Yellow body	
119	Silvery metal	
120	Black plastic	
121	Black plastic	
122	Coppery metal	
123	Transparent plastic	
124	Transparent plastic	
125	Transparent plastic	
126	Transparent plastic	
127	Black plastic	
128	Silvery metal with black plating	
129	Grey plastic	
130	Transparent glass	

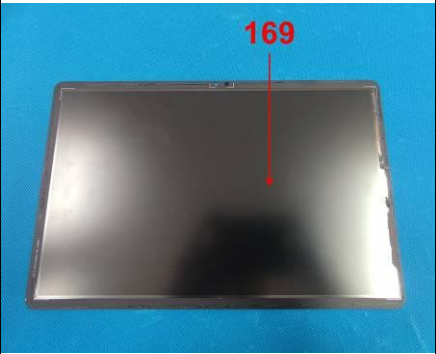
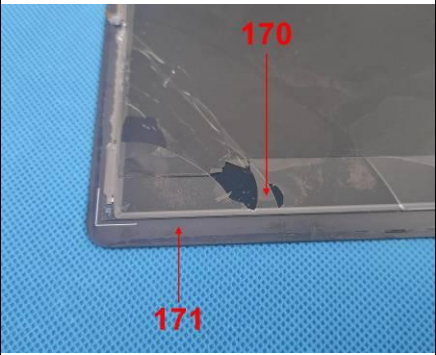
Sample No.	Description	Photograph
131	Mirror body	
132	Black FPC	
133	Silvery solder	
134	Black soft plastic	
135	Golden metal	
136	White plastic	
137	Silvery metal	
138	Red plastic	
139	Silvery metal	
140	Silvery metal	
141	Silvery metal foil	
142	Green PCB	
143	Silvery solder	

Sample No.	Description	Photograph
144	Silvery metal with grey plating	
145	Translucent soft plastic	
146	Golden metal	
147	Grey plastic	
148	Silvery metal with grey plating	

Sample No.	Description	Photograph
149	Transparent glass with black plating	
150	Translucent plastic	
151	Black FPC	
152	Brown plastic	
153	Black plastic	
154	Brown FPC	
155	Silvery solder	

Sample No.	Description	Photograph
156	Black plastic	
157	Silvery metal	
158	Grey plastic	
159	White plastic	
160	Translucent plastic	
161	Transparent plastic	
162	Grey plastic	
163	Transparent plastic	
164	White plastic	
165	Black plastic	
166	White body	
167	Brown FPC	
168	Silvery solder	



Sample No.	Description	Photograph
169	Grey plastic	
170	Grey transparent glass	
171	Black glass	

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	N.A.
Sample 002	BL	BL	BL	BL	N.A.
Sample 003	BL	BL	BL	BL	BL
Sample 004	BL	BL	BL	Inconclusive^	N.A.
Sample 005	BL	BL	BL	BL	BL
Sample 006	OL^	BL	BL	BL	N.A.
Sample 007	BL	BL	BL	BL	BL
Sample 008	BL	BL	BL	BL	BL
Sample 009	BL	BL	BL	BL	N.A.
Sample 010	BL	BL	BL	BL	BL
Sample 011	BL	BL	BL	BL	BL
Sample 012	BL	BL	BL	BL	BL
Sample 013	BL	OL^	BL	Inconclusive^	N.A.
Sample 014	BL	BL	BL	BL	N.A.
Sample 015	BL	BL	BL	BL	BL
Sample 016	BL	OL^	BL	BL	N.A.
Sample 017	BL	BL	BL	BL	N.A.
Sample 018	BL	BL	BL	BL	BL
Sample 019	BL	BL	BL	BL	N.A.
Sample 020	BL	BL	BL	BL	BL
Sample 021	BL	BL	BL	Inconclusive^	N.A.
Sample 022	BL	BL	BL	BL	BL
Sample 023	BL	BL	BL	Inconclusive^	N.A.
Sample 024	BL	BL	BL	BL	BL
Sample 025	BL	BL	BL	BL	BL
Sample 026	BL	BL	BL	BL	N.A.



Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 027	BL	BL	BL	BL	BL
Sample 028	BL	BL	BL	BL	Inconclusive^
Sample 029	BL	BL	BL	BL	N.A.
Sample 030	BL	BL	BL	Inconclusive^	N.A.
Sample 031	BL	BL	BL	BL	N.A.
Sample 032	BL	BL	BL	Inconclusive^	N.A.
Sample 033	BL	BL	BL	BL	BL
Sample 034	BL	BL	BL	Inconclusive^	N.A.
Sample 035	BL	BL	BL	Inconclusive^	N.A.
Sample 036	BL	BL	BL	BL	N.A.
Sample 037	BL	BL	BL	BL	N.A.
Sample 038	BL	BL	BL	BL	BL
Sample 039	BL	BL	BL	BL	Inconclusive^
Sample 040	BL	BL	BL	BL	N.A.
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	BL
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	N.A.
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	OL^	BL	BL	N.A.
Sample 054	BL	BL	BL	BL	BL
Sample 055	BL	BL	BL	Inconclusive^	N.A.
Sample 056	BL	BL	BL	BL	N.A.
Sample 057	BL	BL	BL	BL	N.A.
Sample 058	BL	BL	BL	BL	BL
Sample 059	BL	BL	BL	BL	BL
Sample 060	BL	BL	BL	BL	BL
Sample 061	BL	BL	BL	BL	BL



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	BL	BL
Sample 067	BL	BL	BL	BL	BL
Sample 068	BL	BL	BL	BL	BL
Sample 069	BL	BL	BL	BL	N.A.
Sample 070	BL	BL	BL	BL	BL
Sample 071	BL	BL	BL	BL	BL
Sample 072	BL	BL	BL	BL	BL
Sample 073	BL	BL	BL	BL	BL
Sample 074	BL	BL	BL	BL	N.A.
Sample 075	BL	BL	BL	BL	N.A.
Sample 076	BL	BL	BL	BL	N.A.
Sample 077	BL	BL	BL	BL	BL
Sample 078	BL	BL	BL	Inconclusive^	BL
Sample 079	BL	BL	BL	BL	BL
Sample 080	BL	BL	BL	BL	N.A.
Sample 081	BL	BL	BL	BL	BL
Sample 082	BL	BL	BL	BL	BL
Sample 083	BL	BL	BL	BL	BL
Sample 084	BL	BL	BL	BL	BL
Sample 085	BL	BL	BL	BL	BL
Sample 086	BL	BL	BL	BL	BL
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	Inconclusive^
Sample 092	BL	BL	BL	BL	N.A.
Sample 093	BL	BL	BL	BL	BL
Sample 094	BL	OL^	BL	BL	N.A.
Sample 095	BL	BL	BL	BL	BL
Sample 096	BL	BL	BL	BL	BL



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	BL
Sample 099	BL	BL	BL	BL	BL
Sample 100	BL	BL	BL	BL	N.A.
Sample 101	BL	BL	BL	BL	BL
Sample 102	BL	BL	BL	BL	N.A.
Sample 103	BL	BL	BL	BL	BL
Sample 104	BL	BL	BL	BL	N.A.
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	BL
Sample 109	BL	BL	BL	BL	BL
Sample 110	BL	BL	BL	Inconclusive [^]	N.A.
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	BL	N.A.
Sample 118	BL	BL	BL	BL	BL
Sample 119	BL	BL	BL	BL	N.A.
Sample 120	BL	BL	BL	BL	BL
Sample 121	BL	BL	BL	BL	BL
Sample 122	BL	OL [^]	BL	BL	N.A.
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	BL	BL	BL	BL
Sample 130	BL	BL	BL	BL	BL
Sample 131	BL	BL	BL	BL	BL



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	N.A.
Sample 134	BL	BL	BL	BL	BL
Sample 135	BL	BL	BL	BL	N.A.
Sample 136	BL	BL	BL	BL	BL
Sample 137	OL^	BL	BL	BL	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	N.A.
Sample 142	BL	BL	BL	BL	BL
Sample 143	BL	BL	BL	BL	N.A.
Sample 144	OL^	OL^	BL	BL	N.A.
Sample 145	BL	BL	BL	BL	BL
Sample 146	OL^	OL^	BL	BL	N.A.
Sample 147	BL	BL	BL	BL	BL
Sample 148	BL	OL^	BL	Inconclusive^	N.A.
Sample 149	BL	BL	BL	BL	BL
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	BL	BL
Sample 154	BL	BL	BL	BL	BL
Sample 155	BL	BL	BL	BL	N.A.
Sample 156	BL	BL	BL	BL	BL
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	BL
Sample 161	BL	BL	BL	BL	BL
Sample 162	BL	BL	BL	BL	BL
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

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	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	N.A.
Polymers	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
Composite material	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

**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/cm ²]	Hexavalent Chromium [mg/kg]
Detection Limit	5	5	5	0.10	5
Limit	100	1000	1000	*	1000
Sample 004	/	/	/	N.D.	/
Sample 006	N.D.	/	/	/	/
Sample 013	/	N.D.	/	N.D.	/
Sample 016	/	N.D.	/	/	/
Sample 021	/	/	/	N.D.	/
Sample 023	/	/	/	N.D.	/
Sample 030	/	/	/	N.D.	/
Sample 032	/	/	/	N.D.	/
Sample 034	/	/	/	N.D.	/
Sample 035	/	/	/	N.D.	/
Sample 053	/	N.D.	/	/	/
Sample 055	/	/	/	N.D.	/
Sample 078	/	/	/	/	N.D.
Sample 090	N.D.	/	/	/	/
Sample 094	/	N.D.	/	/	/
Sample 110	/	/	/	N.D.	/
Sample 122	/	N.D.	/	/	/
Sample 137	N.D.	/	/	/	/
Sample 144	N.D.	N.D.	/	/	/
Sample 146	N.D.	31735Φ	/	/	/
Sample 148	/	N.D.	/	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 1cm² sample surface area is higher than 0.13 µg/cm², the sample is positive, that is, contains hexavalent chromium;
b. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is N.D.(less than 0.10µg/cm²), the sample is negative, that is, no hexavalent chromium is detected;
c. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is between 0.10µg/cm² and 0.13µg/cm², 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.

Positive = result be regarded as not comply with RoHS requirement

Negative = result be regarded as comply with RoHS requirement

- 4."Φ"=the sample 146 is 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 028	
PBBs	Monobromobiphenyl	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	
	Tribromobiphenyl	< 5	
	Tetrabromobiphenyl	< 5	
	Pentabromobiphenyl	< 5	
	Hexabromobiphenyl	< 5	
	Heptabromobiphenyl	< 5	
	Octabromobiphenyl	< 5	
	Nonabromobiphenyl	< 5	
	Decabromobiphenyl	< 5	
	Sum of PBBs	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	
	Tribromodiphenyl Ether	< 5	
	Tetrabromodiphenyl Ether	< 5	
	Pentabromodiphenyl Ether	< 5	
	Hexabromodiphenyl Ether	< 5	
	Heptabromodiphenyl Ether	< 5	
	Octabromodiphenyl Ether	< 5	
	Nonabromodiphenyl Ether	< 5	
	Decabromodiphenyl Ether	< 5	
	Sum of PBDEs	< 5	



Test Item		Result [mg/kg]			RoHS Requirement [mg/kg]
		Sample 039	Sample 089	Sample 091	
PBBs	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	< 5	
	Sum of PBDEs	< 5	< 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.

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 003	N.D.	N.D.	N.D.	N.D.
Sample 005	N.D.	N.D.	N.D.	N.D.
Sample 007	N.D.	N.D.	N.D.	N.D.
Sample 008	N.D.	N.D.	N.D.	N.D.
Sample 010	N.D.	N.D.	N.D.	N.D.
Sample 011	N.D.	N.D.	N.D.	N.D.
Sample 012	N.D.	N.D.	N.D.	N.D.
Sample 015	N.D.	N.D.	N.D.	N.D.
Sample 018	N.D.	N.D.	N.D.	N.D.
Sample 020	N.D.	N.D.	N.D.	N.D.
Sample 022	N.D.	N.D.	N.D.	N.D.
Sample 024	N.D.	N.D.	N.D.	N.D.
Sample 025	N.D.	N.D.	N.D.	N.D.
Sample 027	N.D.	N.D.	N.D.	N.D.
Sample 028	N.D.	N.D.	N.D.	N.D.
Sample 033	N.D.	N.D.	N.D.	N.D.
Sample 038	N.D.	N.D.	N.D.	N.D.
Sample 039	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.
Sample 044	N.D.	N.D.	N.D.	N.D.
Sample 045	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 051	N.D.	N.D.	N.D.	N.D.
Sample 052	N.D.	N.D.	N.D.	N.D.
Sample 054	N.D.	N.D.	N.D.	N.D.
Sample 058	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 059	N.D.	N.D.	N.D.	N.D.
Sample 060	N.D.	N.D.	N.D.	N.D.
Sample 061	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 068	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 073	N.D.	N.D.	N.D.	N.D.
Sample 077	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 081	N.D.	N.D.	N.D.	N.D.
Sample 082	N.D.	N.D.	N.D.	N.D.
Sample 083	N.D.	N.D.	N.D.	N.D.
Sample 084	N.D.	N.D.	N.D.	N.D.
Sample 085	N.D.	N.D.	N.D.	N.D.
Sample 086	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.
Sample 093	N.D.	N.D.	N.D.	N.D.
Sample 095	N.D.	N.D.	N.D.	N.D.
Sample 096	N.D.	N.D.	N.D.	N.D.
Sample 098	N.D.	N.D.	N.D.	N.D.
Sample 099	N.D.	N.D.	N.D.	N.D.
Sample 101	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 103	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 108	N.D.	N.D.	N.D.	N.D.
Sample 109	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 120	N.D.	N.D.	N.D.	N.D.
Sample 121	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 129	N.D.	N.D.	N.D.	N.D.
Sample 130	N.D.	N.D.	N.D.	N.D.
Sample 131	N.D.	N.D.	N.D.	N.D.
Sample 132	N.D.	N.D.	N.D.	N.D.
Sample 134	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 142	N.D.	N.D.	N.D.	N.D.
Sample 145	N.D.	N.D.	N.D.	N.D.
Sample 147	N.D.	N.D.	N.D.	N.D.
Sample 149	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.



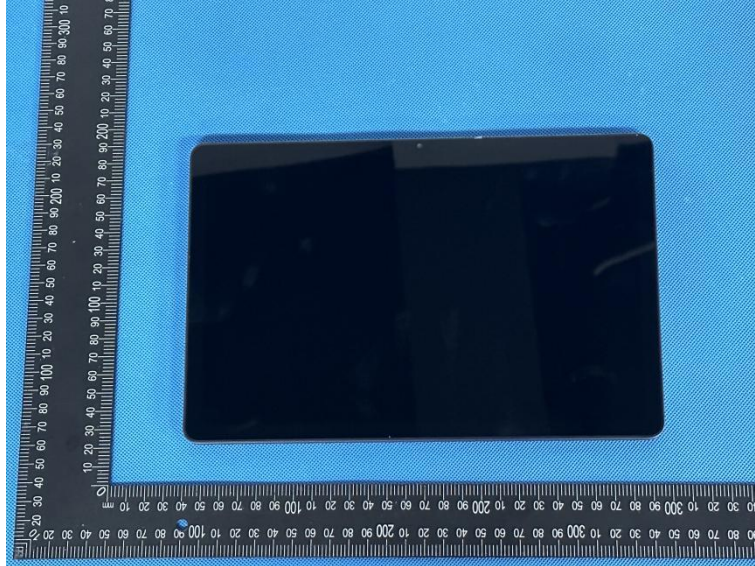
Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	50	50	50	50
Limit	1000	1000	1000	1000
Sample 153	N.D.	N.D.	N.D.	N.D.
Sample 154	N.D.	N.D.	N.D.	N.D.
Sample 156	N.D.	N.D.	N.D.	N.D.
Sample 158	N.D.	N.D.	N.D.	N.D.
Sample 159	N.D.	N.D.	N.D.	N.D.
Sample 160	N.D.	N.D.	N.D.	N.D.
Sample 161	N.D.	N.D.	N.D.	N.D.
Sample 162	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.

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 ***