



TEST REPORT

Applicant : Orbbec Inc.
Product Name : 3D camera
Model Name : See page 2
Brand Name : ORBBEC
Test Request : Test as requested by client
Receipt Date : 2024-07-05
Test Date : 2024-07-06 to 2024-07-18
Issue Date : 2024-08-14
Result Summary :

Test Parameter	Conclusion
Five PBT Chemicals under the Toxic Substances Control Act (TSCA) section 6(h), as amended by the Frank R. Lautenberg Chemical Safety for the 21st Century Act	PASS



Edited by : Deng Baijian
Deng Baijian (Rapporteur)
Approved by : Kenny Li
Kenny Li (Supervisor)

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1. Applicant Information

Applicant : Orbbec Inc.

Applicant Address : Orbbec Technology Building, No.88 High-tech North 1st Road, Nanshan District, Shenzhen, China

Manufacturer : Orbbec Inc.

Manufacturer Address : Orbbec Technology Building, No.88 High-tech North 1st Road, Nanshan District, Shenzhen, China

Model Name : Gemini 336L/G40055-180/Gemini 336/G40155-180/Gemini 335L/G40055-170/Gemini 335/G40155-170/Gemini 330L/G45055-170/Gemini 330/G45155-170/Gemini DM330L/G05055-170/Gemini DM330/G05155-170/Gemini 335Lg/G40055-270/Gemini 335Le/G40055-570/Gemini 336Le/G40055-580/Gemini 330Le/G45055-570/Gemini 335Lg/G40055-270/Gemini 336Lg/G40055-280/Gemini 330Lg/G45055-270/G21 Board/CP0000-G21/G22 Board/CP0000-G22/G23 Board/CP0000-G23/Gemini 330e/G44155-470/Gemini 345/G40174-192/Gemini 345Lg/G40075-272/Gemini 335e/G40155-470/Gemini 336e/G40155-480

2. Tested components

Part No.	Sample No.	Sample Description	Sample Material
1	A-1	White Plastic Label With Red Printing	Polymer
2	A-2	Black Cushion	Polymer
3	A-3	Transparent Glue	Composite
4	A-4	Black Adhesive Sticker	Composite
5	A-5	Pink Heat Conduction Silicone Grease	Polymer
6	A-6	Black FPC	Composite
7	A-7	White Adhesive With Black Lettering	Composite
8	A-8	White Adhesive With Black Lettering	Composite
9	A-9	Black Soft Plastic	Polymer
10	A-10	Blue PCB	Composite
11	A-11	Blue PCB	Composite
12	A-12	Beige Plastic	Polymer
13	A-13	Grey Plastic	Polymer
14	A-14	Black Press Port	Polymer



Part No.	Sample No.	Sample Description	Sample Material
15	A-15	Black IC	Composite
16	A-16	Type-C Port Black Plastic	Polymer
17	A-17	Black Soft Plastic Plug	Polymer
18	A-18	Black Adhesive Sticker	Composite
19	A-19	Black FPC	Composite
20	A-20	Transparent Glue	Composite
21	A-21	White Gel	Composite
22	A-22	Black FPC	Composite
23	A-23	Black Plastic	Polymer
24	A-24	Transparent Plastic	Polymer
25	A-25	Black Plastic Pad	Polymer
26	A-26	Black FPC	Composite
27	A-27	Black Plastic	Polymer
28	A-28	Transparent Plastic	Polymer
29	A-29	Black Plastic Pad	Polymer
30	A-30	Brown FPC	Composite
31	A-31	Black Plastic	Polymer
32	A-32	Transparent Plastic	Polymer
33	A-33	Black Plastic Support	Polymer
34	A-34	Black Plastic	Polymer
35	A-35	Black Cushion	Polymer
36	A-36	Black Plastic	Polymer
37	A-37	Black Soft Plastic	Polymer
38	A-38	Yellow Gel	Polymer
39	A-39	Black Plastic	Polymer
40	A-40	Black Soft Plastic	Polymer
41	A-41	Black Plastic Knob	Polymer
42	A-42	Black Plastic Filter Plate	Polymer
43	A-43	Transparent Glue	Composite
44	B-1	Black Plastic Filter Plate	Polymer
45	B-2	Transparent Glue	Composite



Part No.	Sample No.	Sample Description	Sample Material
46	B-3	White Plastic Label With Red Printing	Polymer
47	B-4	Black Plastic Plug	Polymer
48	B-5	Black Soft Plastic	Polymer
49	B-6	Black Plastic	Polymer
50	B-7	Black Soft Plastic Seal Ring	Polymer
51	B-8	White Adhesive With Black Lettering	Polymer
52	B-9	Black Plastic Baffle	Polymer
53	B-10	Black Adhesive Sticker	Composite
54	B-11	Black Soft Plastic	Polymer
55	B-12	Black Soft Plastic	Polymer
56	B-13	Pink Heat Conduction Silicone Grease	Polymer
57	B-14	White Adhesive With Black Lettering	Polymer
58	B-15	Black FPC	Composite
59	B-16	Blue PCB	Composite
60	B-17	Blue PCB	Composite
61	B-18	Blue PCB	Composite
62	B-19	Grey Plastic	Polymer
63	B-20	Beige Plastic	Polymer
64	B-21	Black Press Port	Polymer
65	B-22	Type-C Port Black Soft Plastic Ring	Polymer
66	B-23	Type-C Port Black Plastic	Polymer
67	B-24	Black IC	Composite
68	B-25	Black Metal	Polymer
69	B-26	Grey Plastic	Polymer
70	B-27	Black FPC	Composite
71	B-28	Transparent Glue	Polymer
72	B-29	Black Adhesive Sticker	Polymer
73	B-30	Black Adhesive Sticker	Polymer
74	B-31	White Gel	Composite
75	B-32	Black FPC	Composite
76	B-33	Black Plastic	Polymer



Part No.	Sample No.	Sample Description	Sample Material
77	B-34	Transparent Plastic	Polymer
78	B-35	Black Plastic Pad	Polymer
79	B-36	Brown FPC	Composite
80	B-37	Black Plastic	Polymer
81	B-38	Transparent Plastic	Polymer
82	B-39	Black Plastic Cover	Polymer
83	B-40	Blue Plastic	Polymer
84	B-41	Red Soft Plastic Ring	Polymer
85	B-42	White Plastic	Polymer
86	B-43	Black Wire Jacket	Polymer
87	B-44	Black Plastic Wire Jacket	Polymer
88	B-45	White Plastic Core Of Cable	Polymer
89	B-46	Black FPC	Composite
90	B-47	Blue PCB	Composite
91	B-48	Black IC	Composite
92	B-49	Blue PCB	Composite
93	C-1	Black Plastic	Polymer
94	C-2	Blue Plastic	Polymer
95	C-3	Yellow Adhesive Sticker	Composite
96	C-4	Black Glue	Composite
97	C-5	Green PCB	Composite
98	C-6	Black Plastic	Polymer
99	C-7	Black Plastic Skin	Polymer
100	C-8	Transparent Plastic Film	Polymer
101	C-9	Red Plastic Wire Jacket	Polymer
102	C-10	Orange Plastic Wire Jacket	Polymer
103	C-11	Yellow Plastic Wire Jacket	Polymer
104	C-12	Purple Plastic Wire Jacket	Polymer
105	C-13	Black Plastic Wire Jacket	Polymer
106	C-14	Green Plastic Wire Jacket	Polymer
107	C-15	White Plastic Wire Jacket	Polymer



Part No.	Sample No.	Sample Description	Sample Material
108	C-16	Blue Plastic Wire Jacket	Polymer
109	D-1	Black Plastic	Polymer
110	D-2	Blue Plastic	Polymer
111	D-3	Yellow Adhesive Sticker	Polymer
112	D-4	Black Glue	Composite
113	D-5	Green PCB	Composite
114	D-6	Black Plastic	Polymer
115	D-7	Black Plastic Skin	Polymer
116	D-8	Transparent Plastic Film	Polymer
117	D-9	Red Plastic Wire Jacket	Polymer
118	D-10	Orange Plastic Wire Jacket	Polymer
119	D-11	Yellow Plastic Wire Jacket	Polymer
120	D-12	Purple Plastic Wire Jacket	Polymer
121	D-13	Black Plastic Wire Jacket	Polymer
122	D-14	Green Plastic Wire Jacket	Polymer
123	D-15	White Plastic Wire Jacket	Polymer
124	D-16	Blue Plastic Wire Jacket	Polymer
125	E-1	Green Plastic	Polymer
126	E-2	Orange Soft Plastic	Polymer
127	E-3	White Plastic	Polymer
128	E-4	Black Plastic	Polymer
129	E-5	White Plastic	Polymer
130	E-6	Black Plastic Skin	Polymer
131	E-7	Transparent Plastic Wire Jacket	Polymer
132	E-8	White Plastic Label With Black Printing	Polymer

3. Test Results

Test Method: With reference to EPA 3550C:2007 & EPA 8270E:2018, determined by gas chromatographic-mass spectrometer (GC-MS).

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-1	A-2	A-3	A-4
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-5	A-6	A-7	A-8
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-9	A-10	A-11	A-12
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-13	A-14	A-15	A-16
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-17	A-18	A-19	A-20
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-21	A-22	A-23	A-24
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-25	A-26	A-27	A-28
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-29	A-30	A-31	A-32
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-33	A-34	A-35	A-36
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-37	A-38	A-39	A-40
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				A-41	A-42	A-43	B-1
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-2	B-3	B-4	B-5
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-6	B-7	B-8	B-9
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-10	B-11	B-12	B-13
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-14	B-15	B-16	B-17
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-18	B-19	B-20	B-21
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-22	B-23	B-24	B-25
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-26	B-27	B-28	B-29
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-30	B-31	B-32	B-33
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-34	B-35	B-36	B-37
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-38	B-39	B-40	B-41
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-42	B-43	B-44	B-45
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				B-46	B-47	B-48	B-49
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				C-1	C-2	C-3	C-4
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				C-5	C-6	C-7	C-8
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				C-9	C-10	C-11	C-12
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				C-13	C-14	C-15	C-16
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				D-1	D-2	D-3	D-4
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				D-5	D-6	D-7	D-8
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.



Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				D-9	D-10	D-11	D-12
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				D-13	D-14	D-15	D-16
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				E-1	E-2	E-3	E-4
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

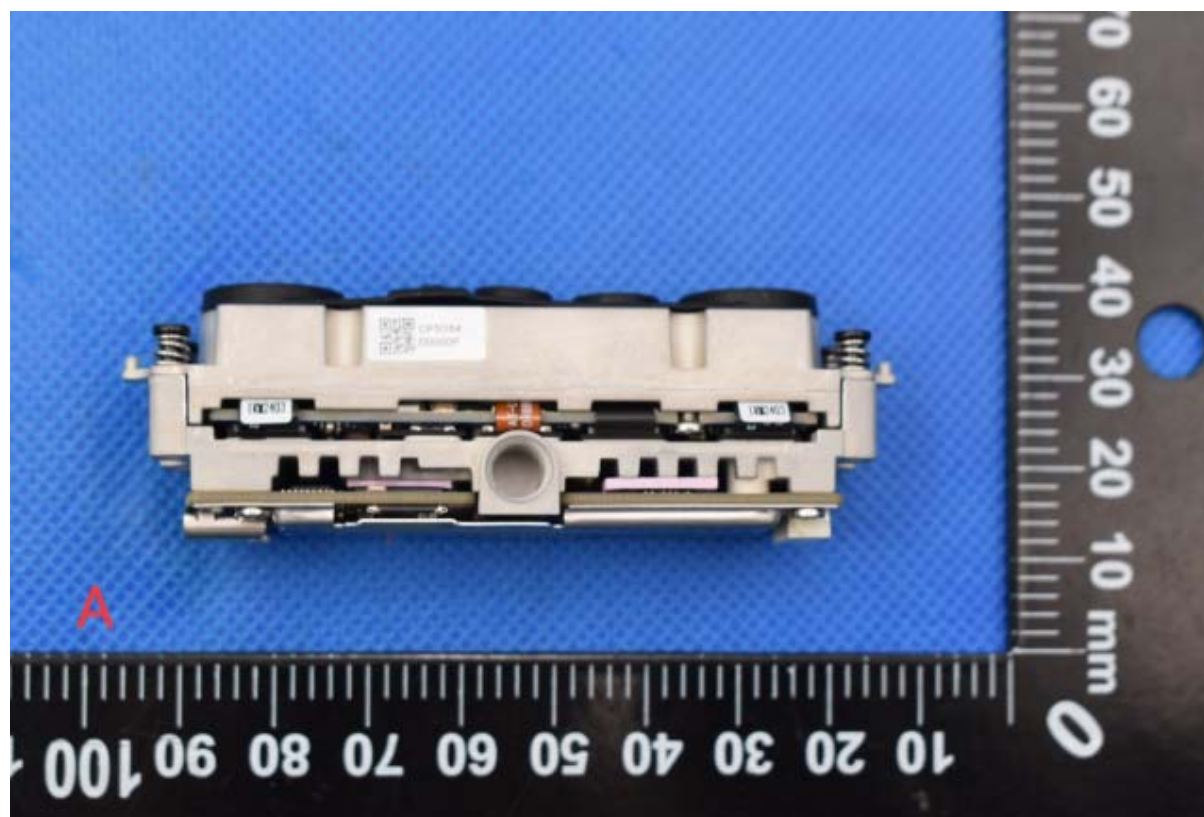
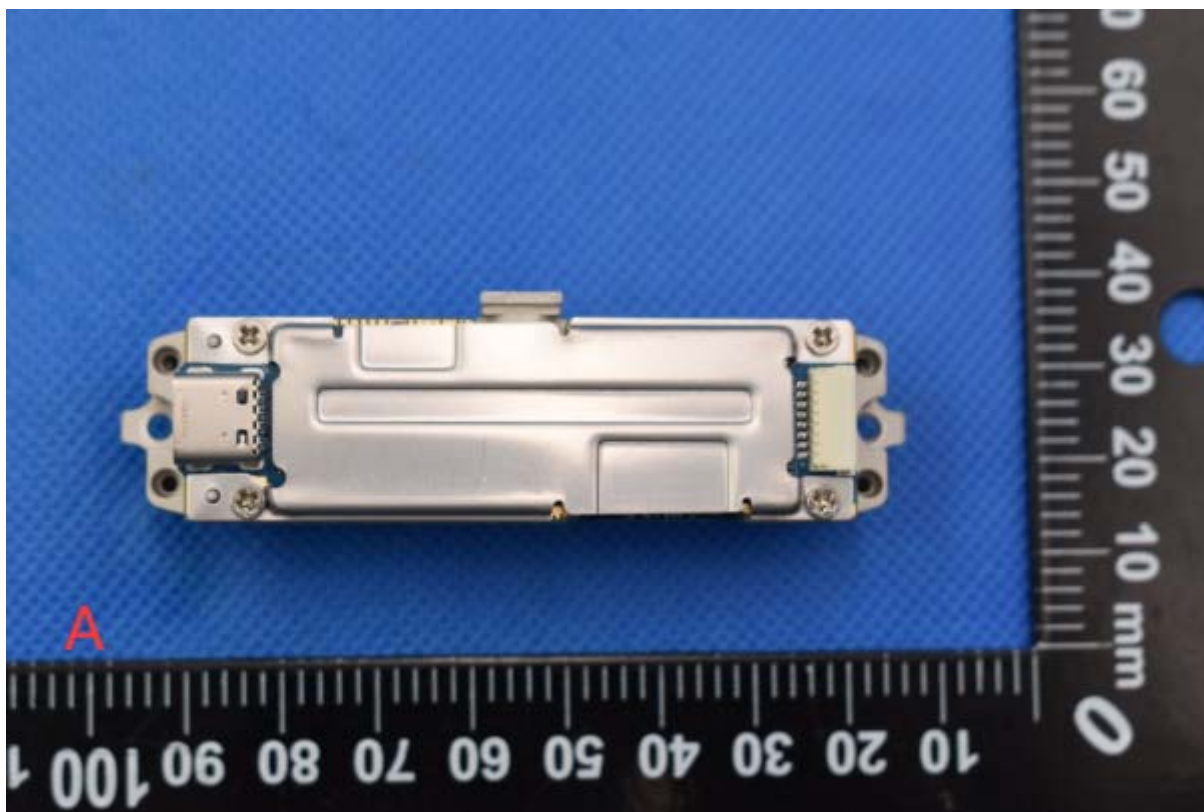


Test Items	CAS No.	MDL (%(w/w))	Limit (%(w/w))	Test Result (%(w/w))			
				E-5	E-6	E-7	E-8
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Phenol, isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Hexachlorobutadiene (HCBd)	87-68-3	0.005	Not Detectable	N.D.	N.D.	N.D.	N.D.
Pentachlorothiophenol (PCTP)	133-49-3	0.005	1.00	N.D.	N.D.	N.D.	N.D.
2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	0.005	0.30	N.D.	N.D.	N.D.	N.D.

Remark:

- 1) N.D. = Not Detected (<MDL)
- 2) MDL = Method Detection Limit.
- 3) When the test result is a critical value, we will use the measurement uncertainty to give the judgment result based on the 95% Confidence intervals

4. Photo of Sample





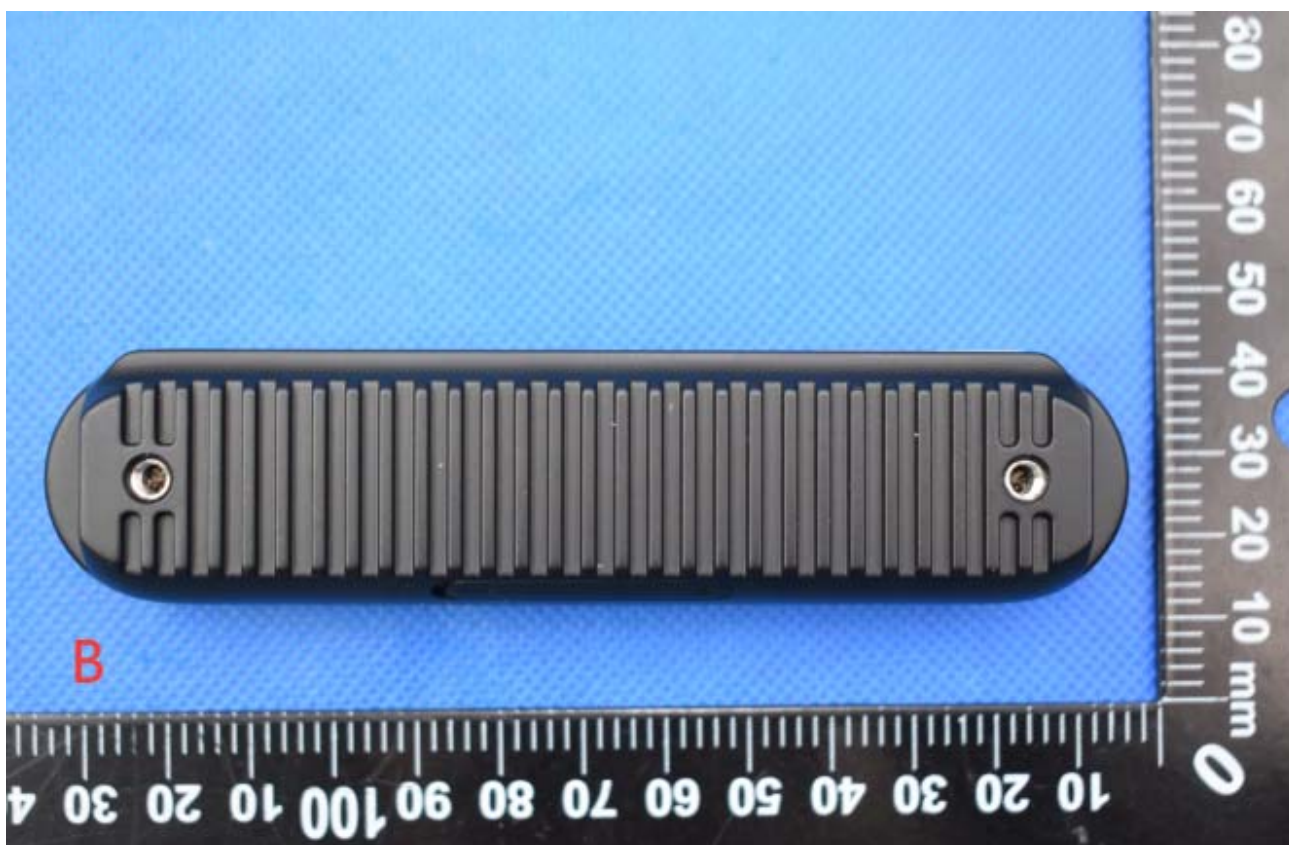




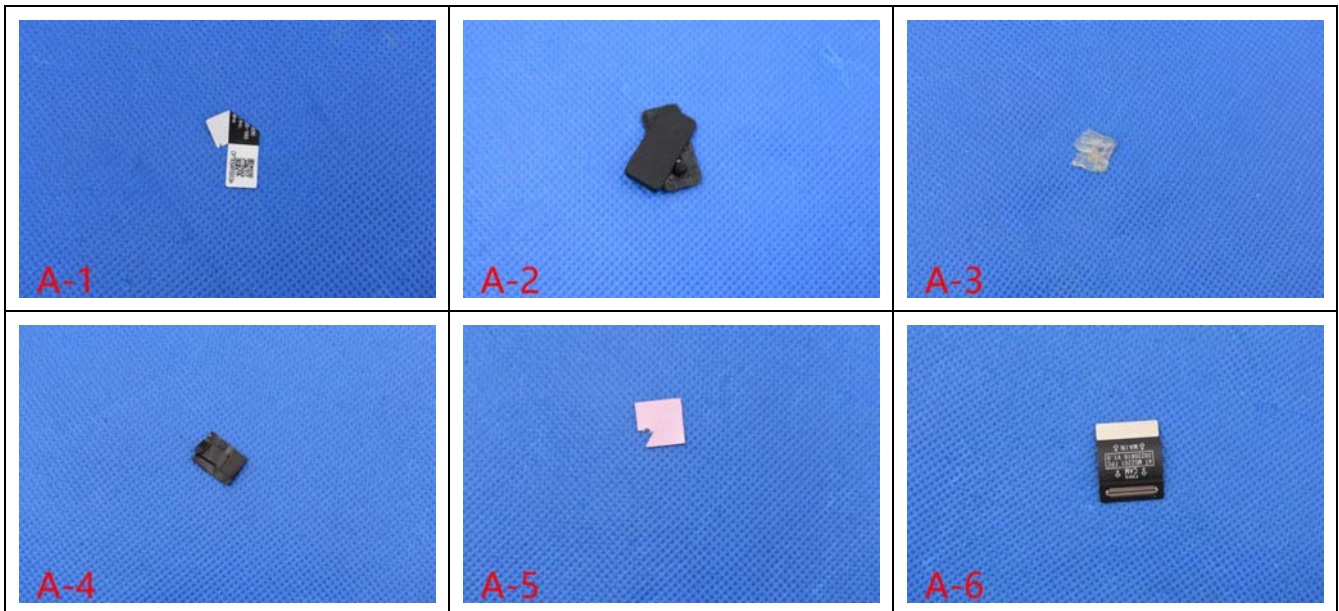


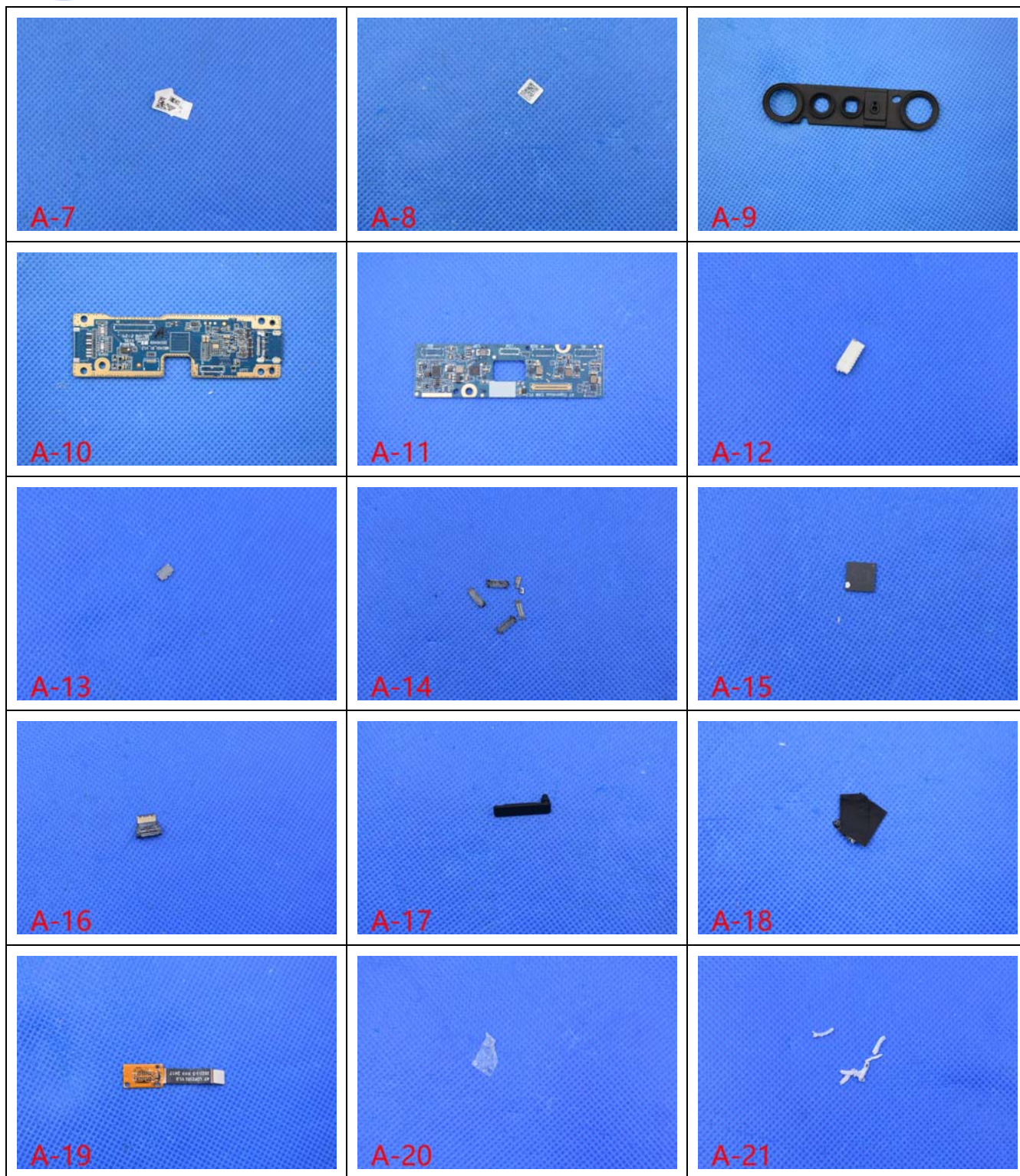


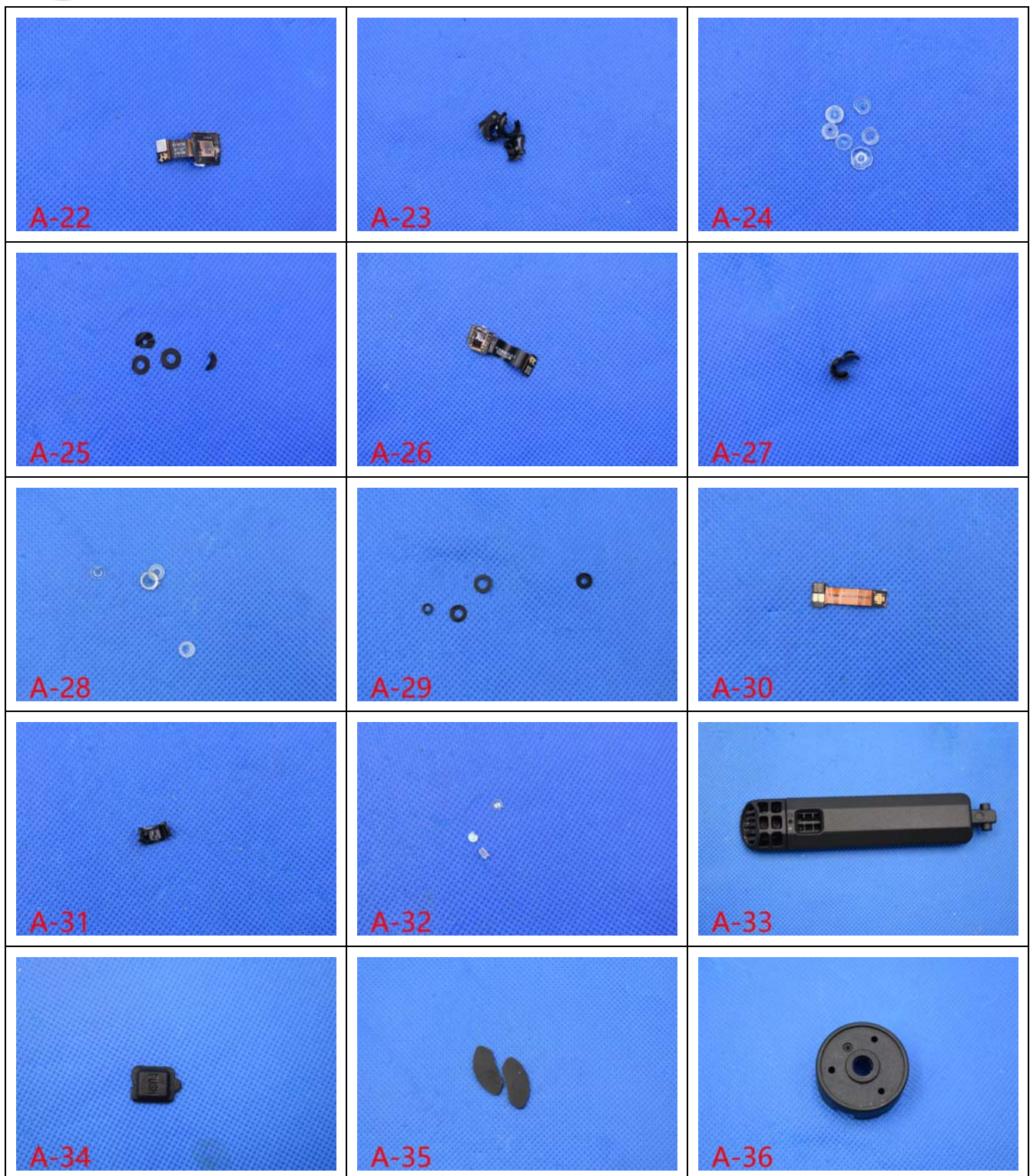


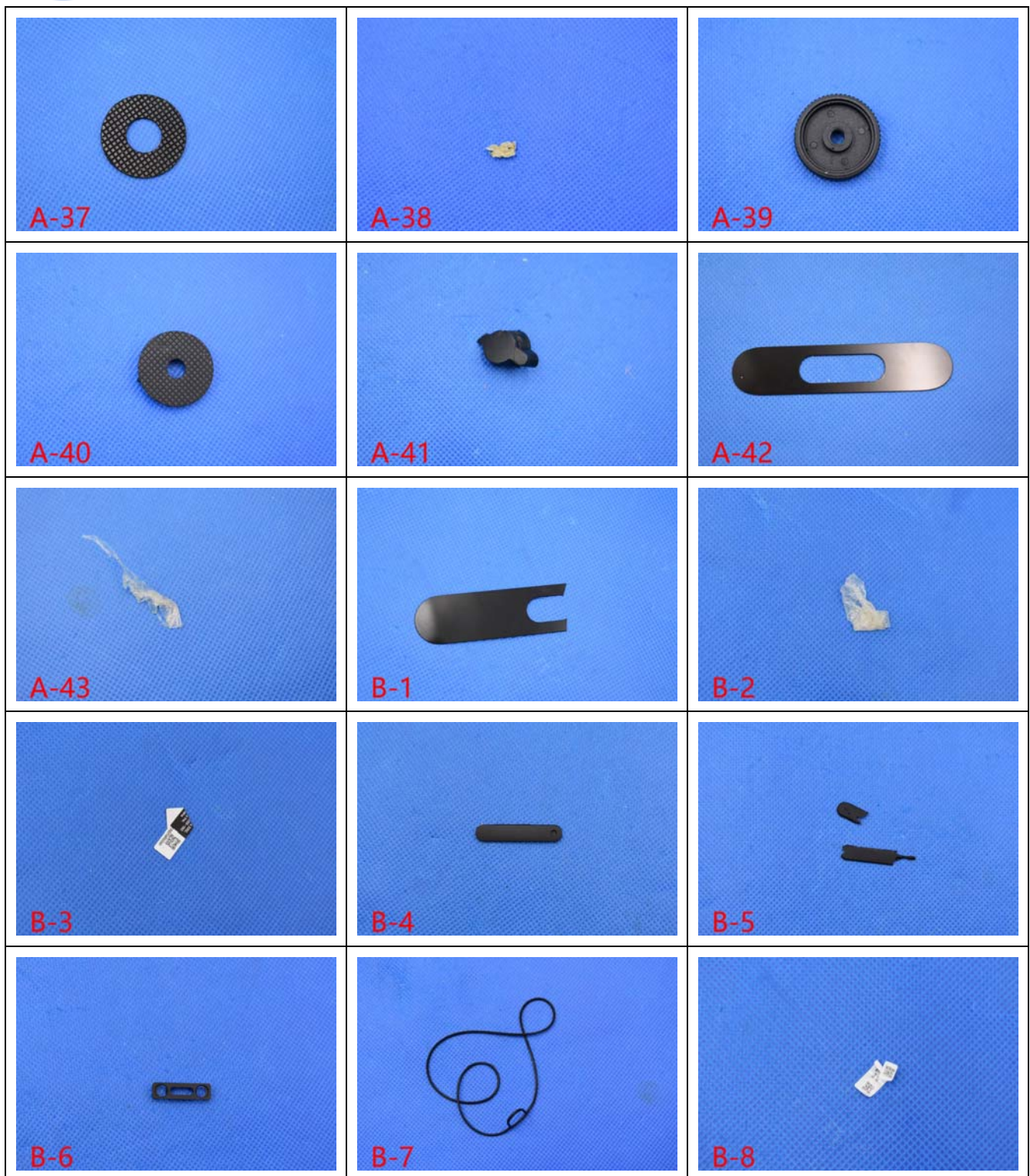


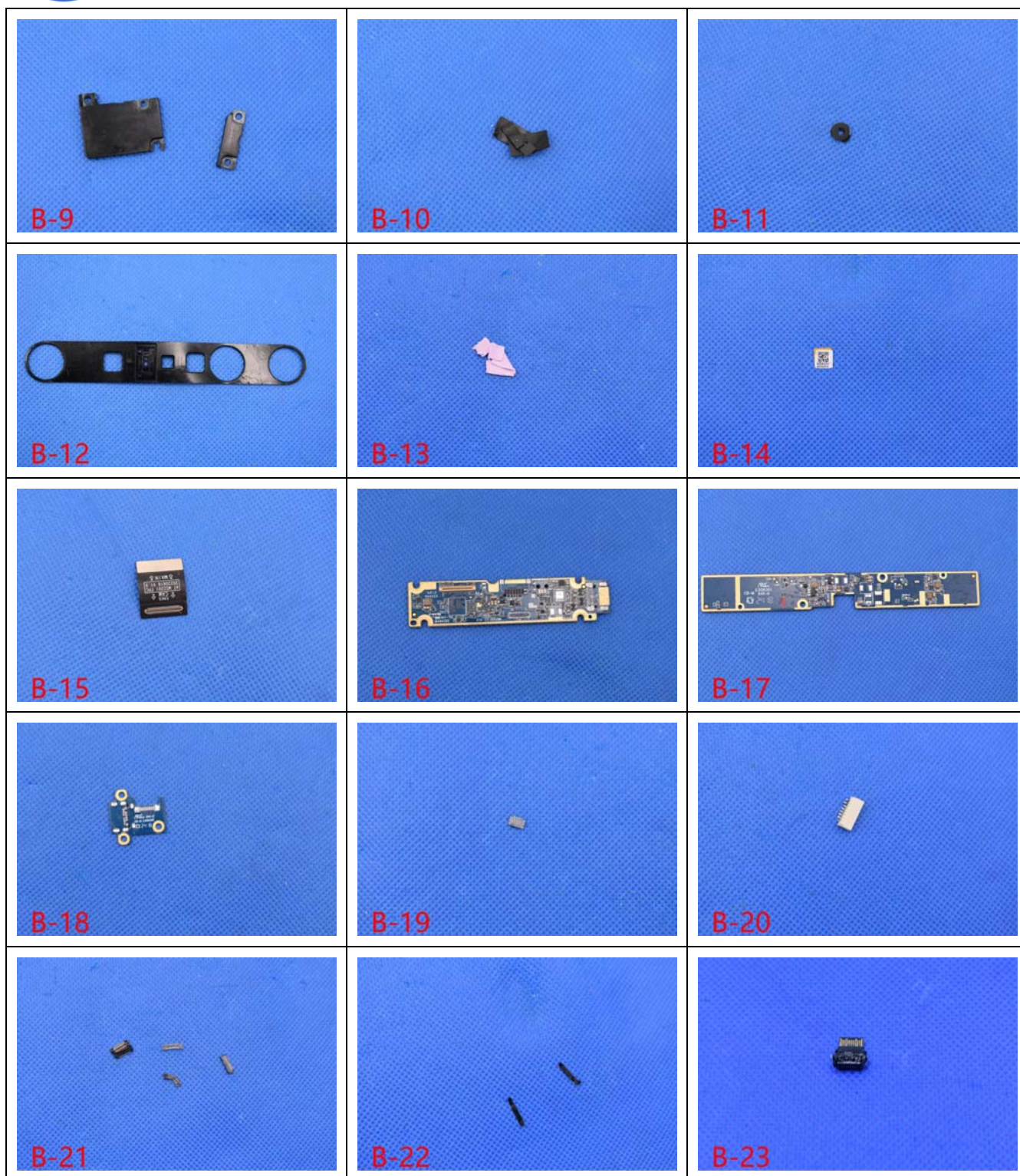


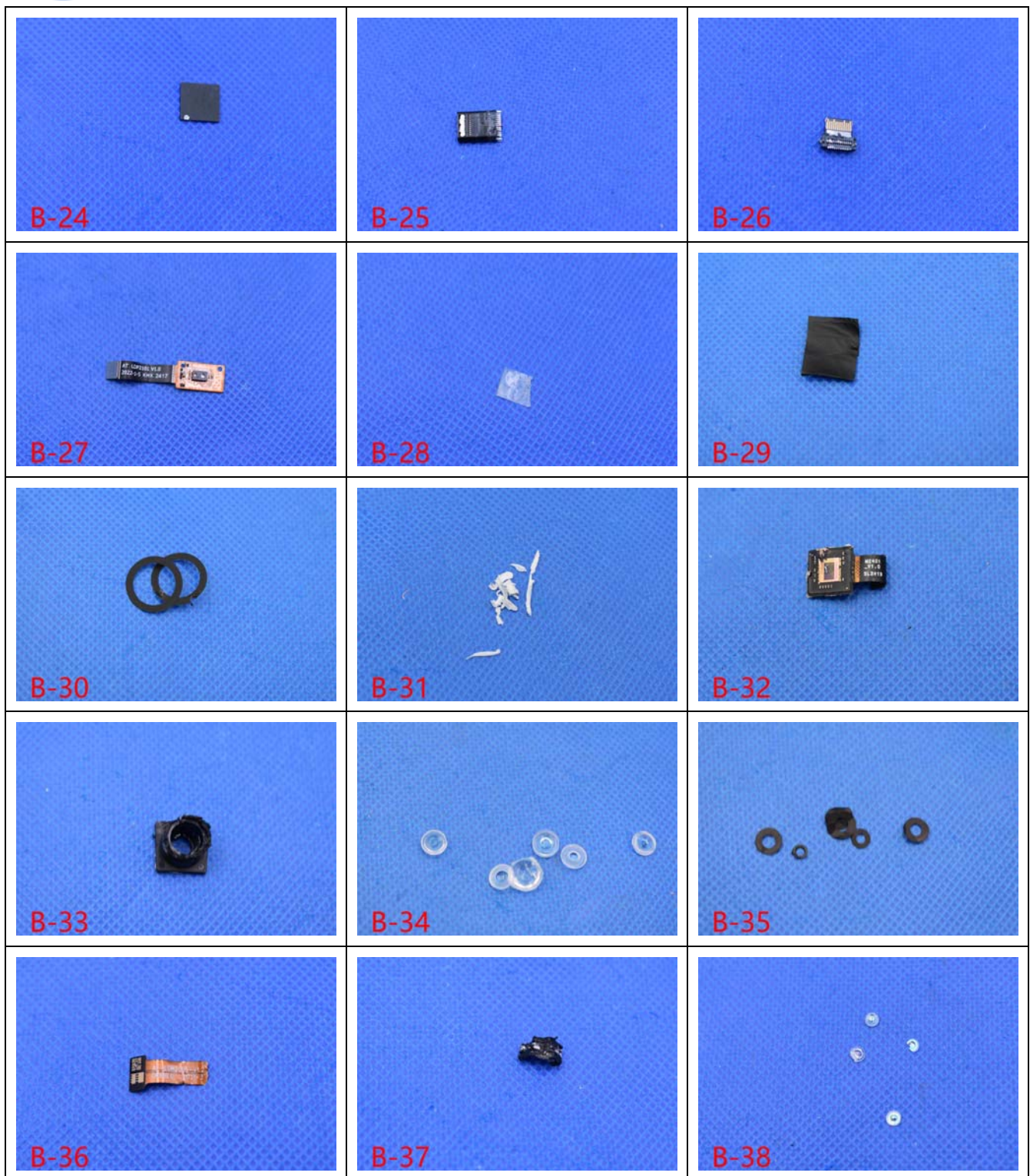






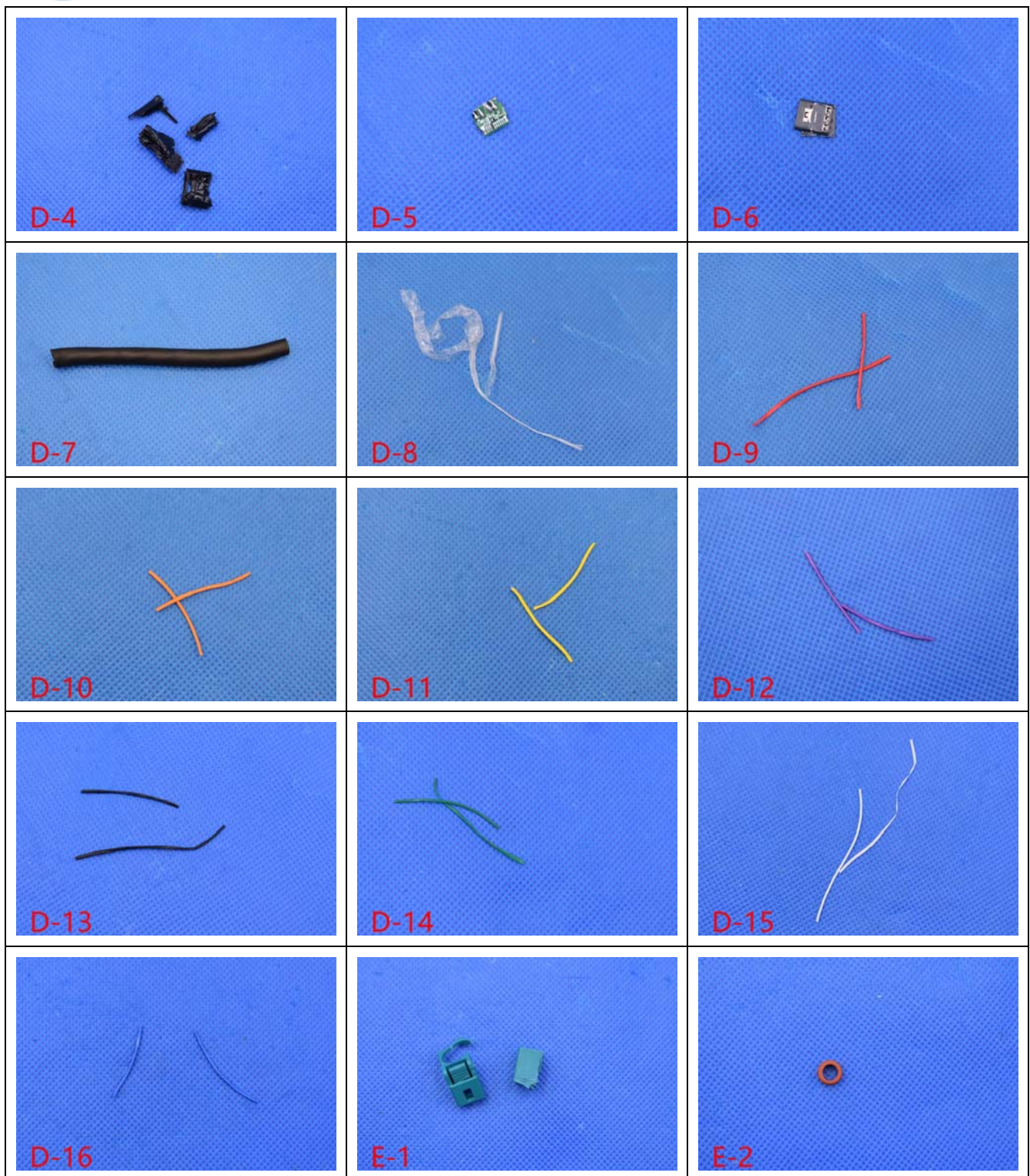


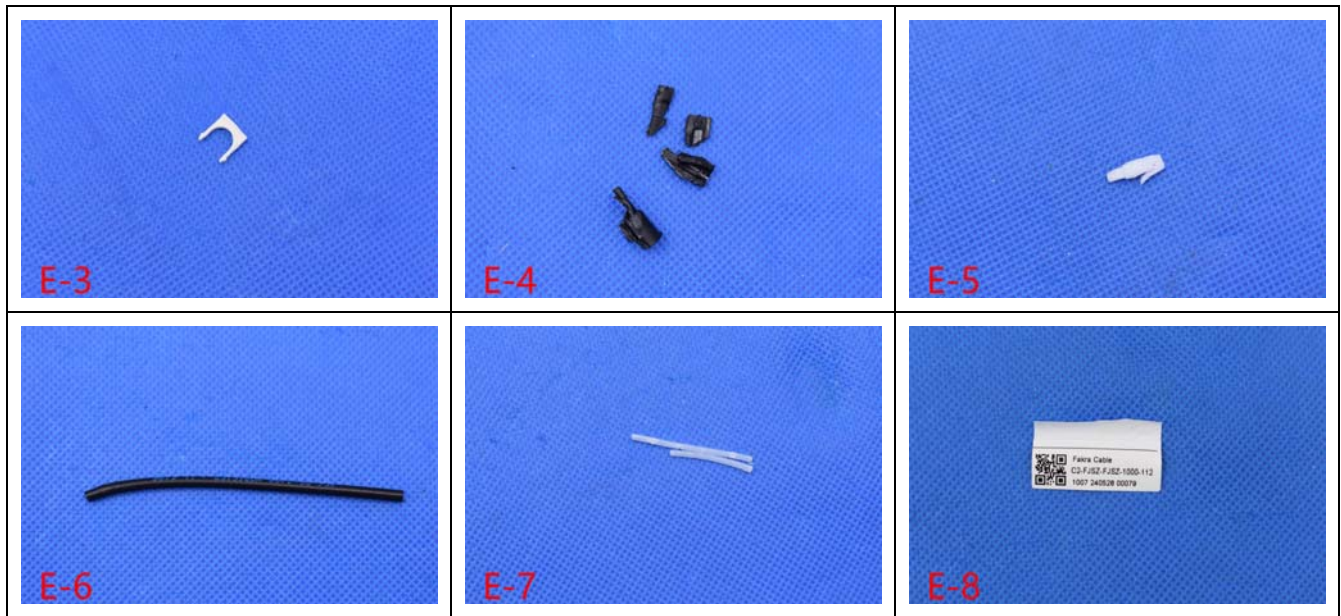














Annex A General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

1.3 Test Equipment Utilized

No.	Equipment Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Gas Chromatography-Mass Spectrometer (GC-MS)	C70504400059 SA	QP2010 PLus	SHIMADZU	2023.02.09	2025.02.08
2	Gas Chromatography-Mass Spectrometer (GC-MS)	021745700818 SA	QP2020 NX	SHIMADZU	2023.09.19	2025.09.18

1.4 Change History

Change History		
Version	Date	Reason for change
1.0	2024-08-14	First edition

***** END OF REPORT *****