

TEST REPORT

Applicant : Sharkoon Technologies GmbH
Address : Grüninger Weg 48, 35415 Pohlheim, Germany

Report on the submitted samples said to be:

Sample Name(s) : PC Case
Trade Mark : Sharkoon
Tested Model No. : Sharkoon STEEL SHARK bk
Model List## : Sharkoon STEEL SHARK wh
Sample Received Date : March 12, 2026
Testing Period : March 12, 2026 ~ March 18, 2026
Date of Report : March 18, 2026
Testing Location : 905, Building 40, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Results : Please refer to next page(s).



TEST REQUEST	CONCLUSION
<p>As specified by the client, the designated components of the submitted sample were tested. The detected contents of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), PBBs, PBDEs, Dibutyl Phthalate (DBP), Butylbenzyl Phthalate (BBP), Di-2-ethylhexyl Phthalate (DEHP) and Diisobutyl Phthalate (DIBP) are in compliance with the limit requirements specified in RoHS Directive 2011/65/EU as amended by (EU) 2015/863.</p>	<p>PASS</p>
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<p>##=According to client's declaration, tested material would be produced as relevant product(s).</p>	

Signed for and on behalf of SLCS



 Andy Yu



A. EU RoHS Directive 2011/65/EU and its amendment directives

Test method: Refer to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF).

Test result(s):

Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr [▼]	Br [▼]		
						PBBs	PBDEs	
1	Glass	BL	BL	BL	BL	BL	BL	2026-03-12
2	Black metal	BL	BL	BL	BL	/	/	2026-03-12
3	Black metal	BL	BL	BL	BL	/	/	2026-03-12
4	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
5	Black soft plastic	BL	BL	BL	BL	BL	BL	2026-03-12
6	Double-sided tape	BL	BL	BL	BL	BL	BL	2026-03-12
7	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
8	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
9	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
10	Black metal magnet	BL	BL	BL	BL	/	/	2026-03-12
11	Black metal screw	BL	BL	BL	BL	/	/	2026-03-12
12	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
13	Black metal screw	BL	BL	BL	BL	/	/	2026-03-12
14	Black metal	BL	BL	BL	BL	/	/	2026-03-12
15	Black soft plastic	BL	BL	BL	BL	BL	BL	2026-03-12
16	Black metal nut	BL	BL	BL	BL	/	/	2026-03-12
17	Black metal screw	BL	BL	BL	BL	/	/	2026-03-12
18	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
19	Silver-colored metal pins	BL	BL	BL	BL	/	/	2026-03-12
20	Black Printed Circuit Board	BL	BL	BL	BL	BL	BL	2026-03-12
21	IC body	BL	BL	BL	BL	BL	BL	2026-03-12
22	Surface-mount resistor	BL	BL	BL	BL	BL	BL	2026-03-12
23	Solder	BL	BL	BL	BL	/	/	2026-03-12
24	Black metal screw	BL	BL	BL	BL	/	/	2026-03-12
25	Grey soft plastic	BL	BL	BL	BL	BL	BL	2026-03-12
26	White hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
27	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
28	Silver hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
29	Label paper	BL	BL	BL	BL	BL	BL	2026-03-12
30	Green Printed Circuit Board	BL	BL	BL	BL	BL	BL	2026-03-12
31	Surface-mount resistor	BL	BL	BL	BL	BL	BL	2026-03-12
32	IC body	BL	BL	BL	BL	BL	BL	2026-03-12

Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr [▼]	Br [▼]		
						PBBs	PBDEs	
33	Surface-mount capacitor	BL	BL	BL	BL	BL	BL	2026-03-12
34	Light-Emitting Diode	BL	BL	BL	BL	BL	BL	2026-03-12
35	Magnetic core	BL	BL	BL	BL	/	/	2026-03-12
36	Copper-colored metal wire core	BL	BL	BL	BL	/	/	2026-03-12
37	White hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
38	Silver metal	BL	BL	BL	BL	/	/	2026-03-12
39	Silver metal	BL	BL	BL	BL	/	/	2026-03-12
40	Copper-colored metal	BL	X	BL	BL	/	/	2026-03-12
41	White hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
42	Silver metal	BL	BL	BL	BL	/	/	2026-03-12
43	Black plastic wire covering	BL	BL	BL	BL	BL	BL	2026-03-12
44	Silver metal wire core	BL	BL	BL	BL	/	/	2026-03-12
45	White hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
46	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
47	Silver metal	BL	BL	BL	BL	/	/	2026-03-12
48	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
49	Black Printed Circuit Board	BL	BL	BL	BL	BL	BL	2026-03-12
50	Black plastic wire covering	BL	BL	BL	BL	BL	BL	2026-03-12
51	Black soft plastic	BL	BL	BL	BL	BL	BL	2026-03-12
52	Silver metal	BL	BL	BL	BL	/	/	2026-03-12
53	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
54	Silver-colored metal pins	BL	BL	BL	BL	/	/	2026-03-12
55	Silver metal	BL	BL	BL	BL	/	/	2026-03-12
56	Black metal screw	BL	BL	BL	BL	/	/	2026-03-12
57	White hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12
58	Silver-colored metal pins	BL	BL	BL	BL	/	/	2026-03-12
59	Silver-colored metal pins	OL	BL	BL	BL	/	/	2026-03-12
60	Silver metal wire core	BL	BL	BL	BL	/	/	2026-03-12
61	Grey plastic wire covering	BL	BL	BL	BL	BL	BL	2026-03-12
62	Sponge foam	BL	BL	BL	BL	BL	BL	2026-03-12
63	Black metal	BL	BL	BL	BL	/	/	2026-03-12
64	Zip tie	BL	BL	BL	BL	BL	BL	2026-03-12
65	Black hard plastic	BL	BL	BL	BL	BL	BL	2026-03-12

Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr [▼]	Br [▼]		
						PBBs	PBDEs	
66	Black fabric	BL	BL	BL	BL	BL	BL	2026-03-12
67	Black metal	BL	BL	BL	BL	/	/	2026-03-12

Note:

- Results were obtained by XRF for primary screening, and further chemical testing by ICP(for Cd, Pb, Hg), UV-Vis(for Cr(VI)) and GC-MS(for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013(Unit: mg/kg).

Element	Polymers	Metals	Composite material
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	N/A	$BL \leq (250-3\sigma) < X$

Remark:

- BL= Below Limit
 - OL= Over Limit
 - X= The range of needing to do further testing
 - 3σ = The reproducibility of analytical instruments
 - N/A= Not applicable
 - LOD= Detection limit
- The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
 - The maximum permissible limit is quoted from the document RoHS Directive 2011/65/EU with amendment (EU) 2015/863.
 - ▼=For restricted substances PBBs and PBDEs, the results show the total Br content, the restricted substance was Cr(VI), and the results showed the total Cr content.

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium(Cd)	100
Lead(Pb)	1000
Mercury(Hg)	1000
Hexavalent Chromium(Cr(VI))	1000
Polybrominated biphenyls(PBBs)	1000
Polybrominated diphenylethers(PBDEs)	1000
Dibutyl Phthalate(DBP)	1000
Butylbenzyl Phthalate(BBP)	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	1000
Diisobutyl phthalate(DIBP)	1000

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes. The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

B. EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 on Lead(Pb), Cadmium(Cd), DBP, BBP, DEHP & DIBP content

Test method:

Lead(Pb) & Cadmium(Cd) Content:

Refer to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES) or atomic absorption spectrometer (AAS).

Phthalates(DBP, BBP, DEHP & DIBP) Content:

Refer to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatography-mass spectrometer (GC-MS).

Test result(s):

1) Lead(Pb) & Cadmium(Cd)

Tested Item	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		40	
Lead(Pb) Content	5	36	1000

Tested Item	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		59	
Cadmium(Cd) Content	5	N.D.	100

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

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)				Limit (mg/kg)
		5	9	15	25	
Dibutyl Phthalate(DBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)				Limit (mg/kg)
		43	50	51	61	
Dibutyl Phthalate(DBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	N.D.	368	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		62	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		1+4+6+7+8+12	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		18+20+21+22+26+27	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		28+29+30+31+32+33	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		34+37+41+45+46+48	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000

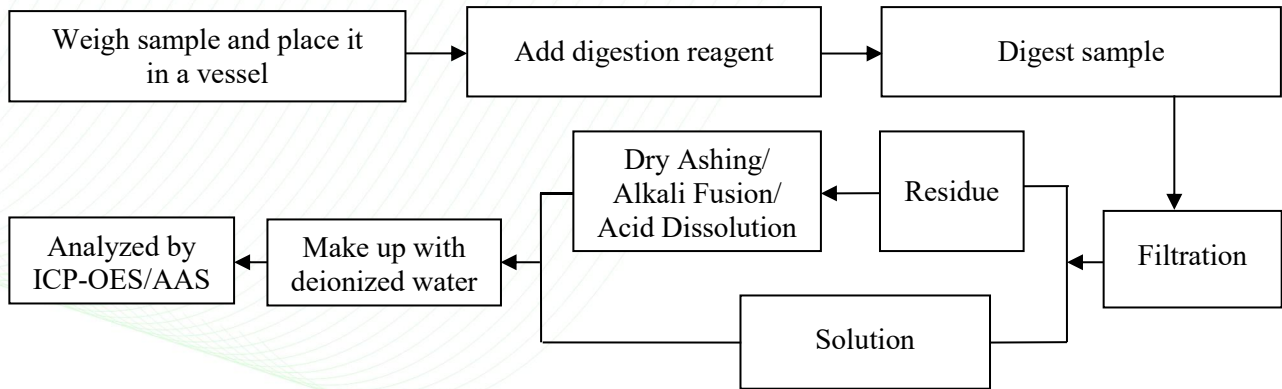
Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		49+53+57+64+65+66	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000

Note:

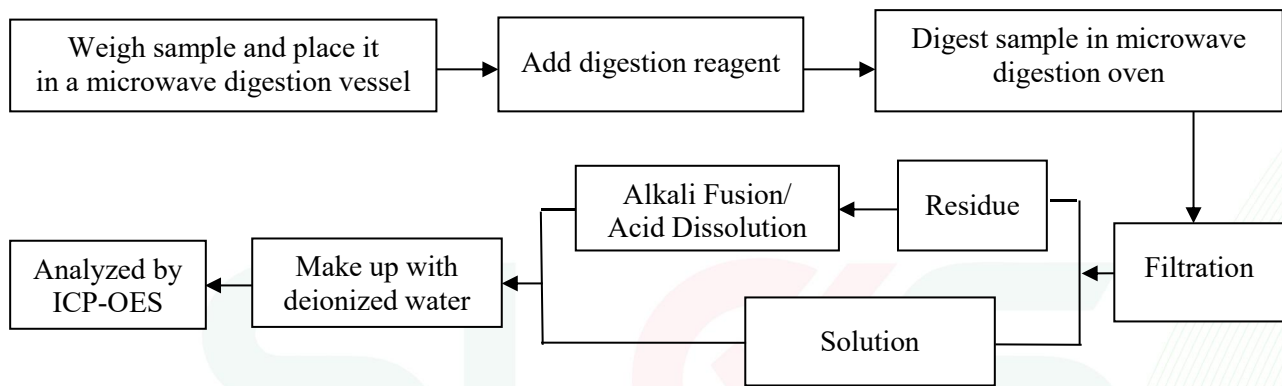
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg= milligram per kilogram=ppm
- According to customer's requirement, only the appointed materials have been tested.

Test Process

1. Lead(Pb) & Cadmium(Cd): IEC 62321-5:2013

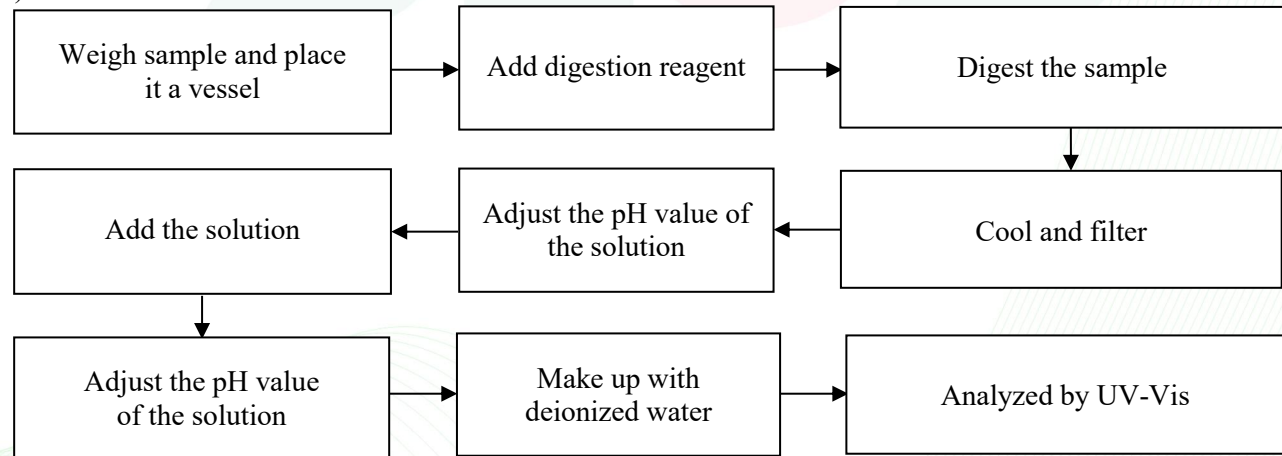


2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV

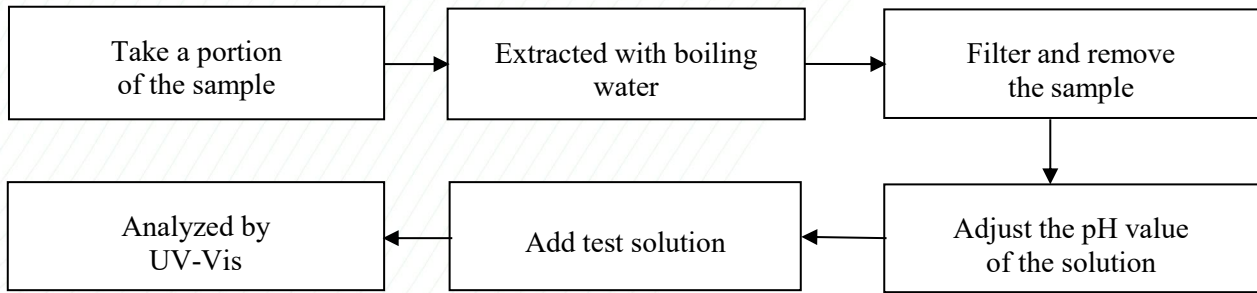


3. Hexavalent Chromium(Cr(VI))

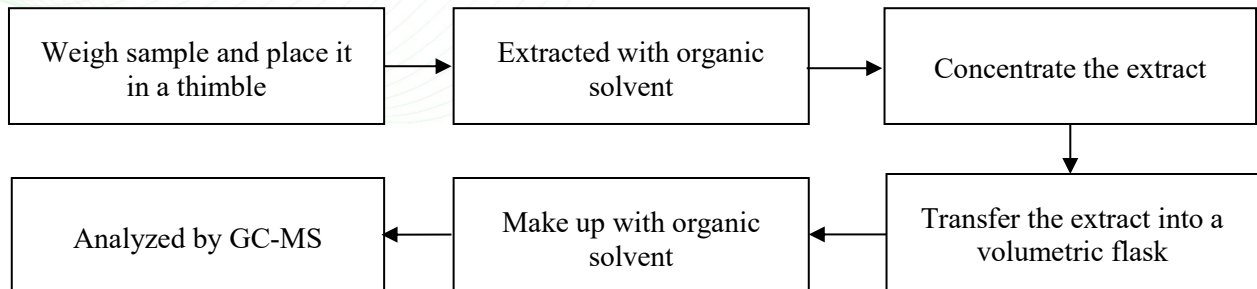
1) IEC 62321-7-2:2017



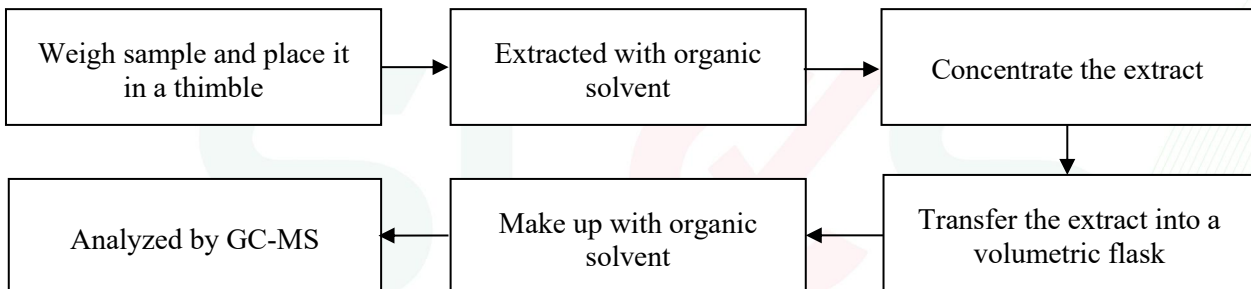
2) IEC 62321-7-1:2015



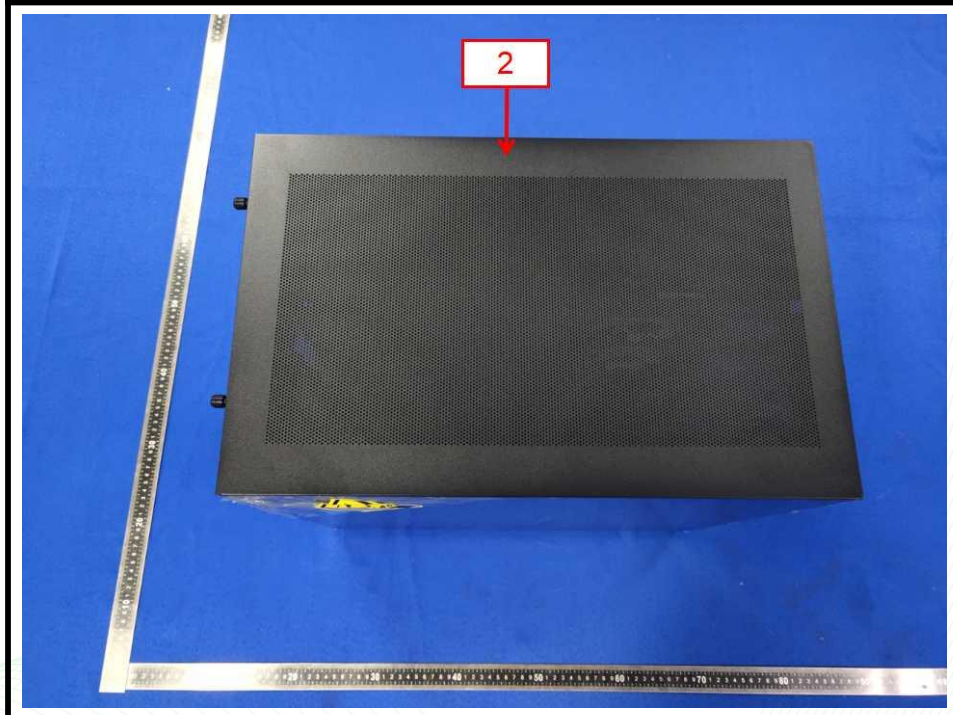
4. Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) : IEC 62321-6:2015

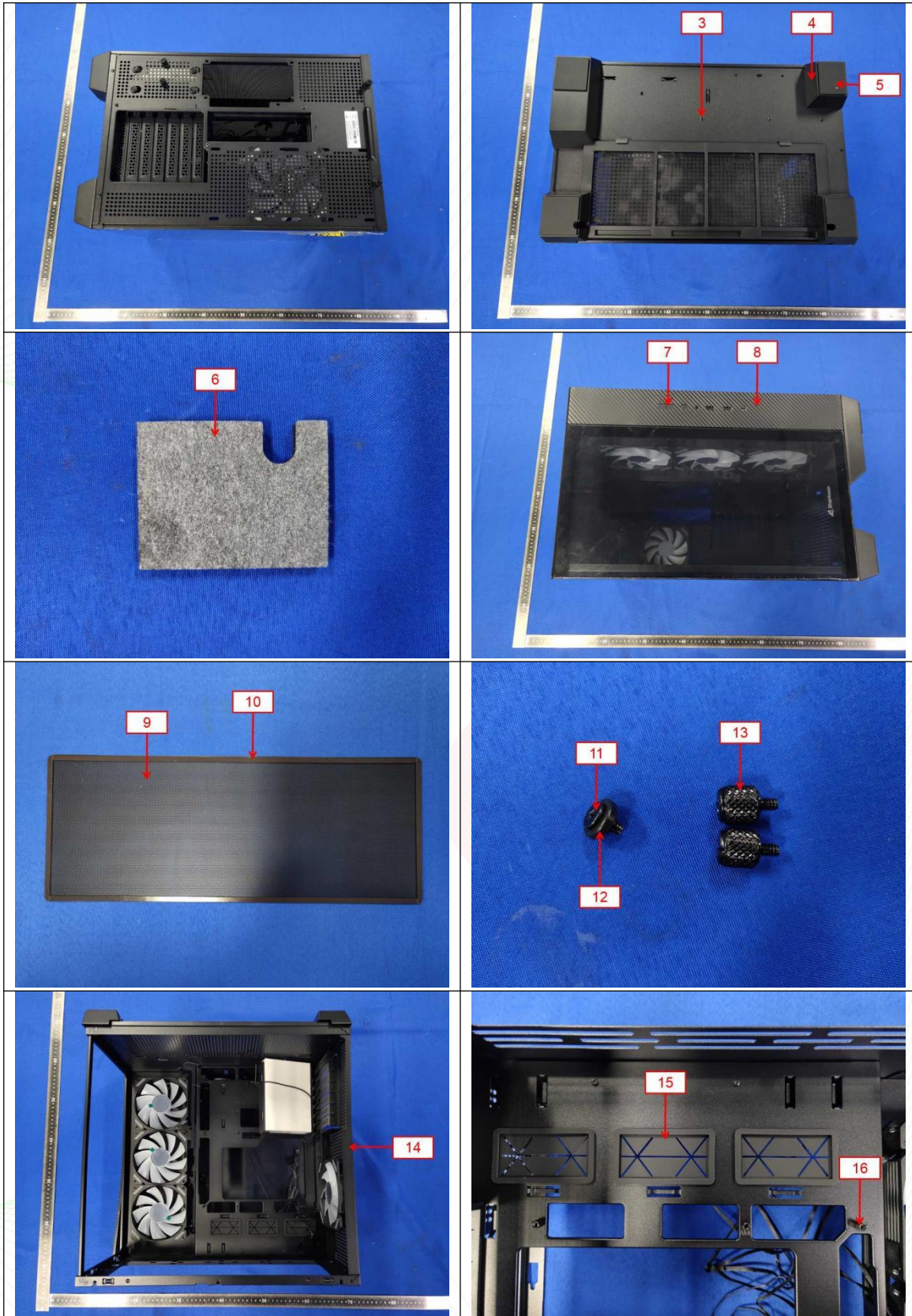


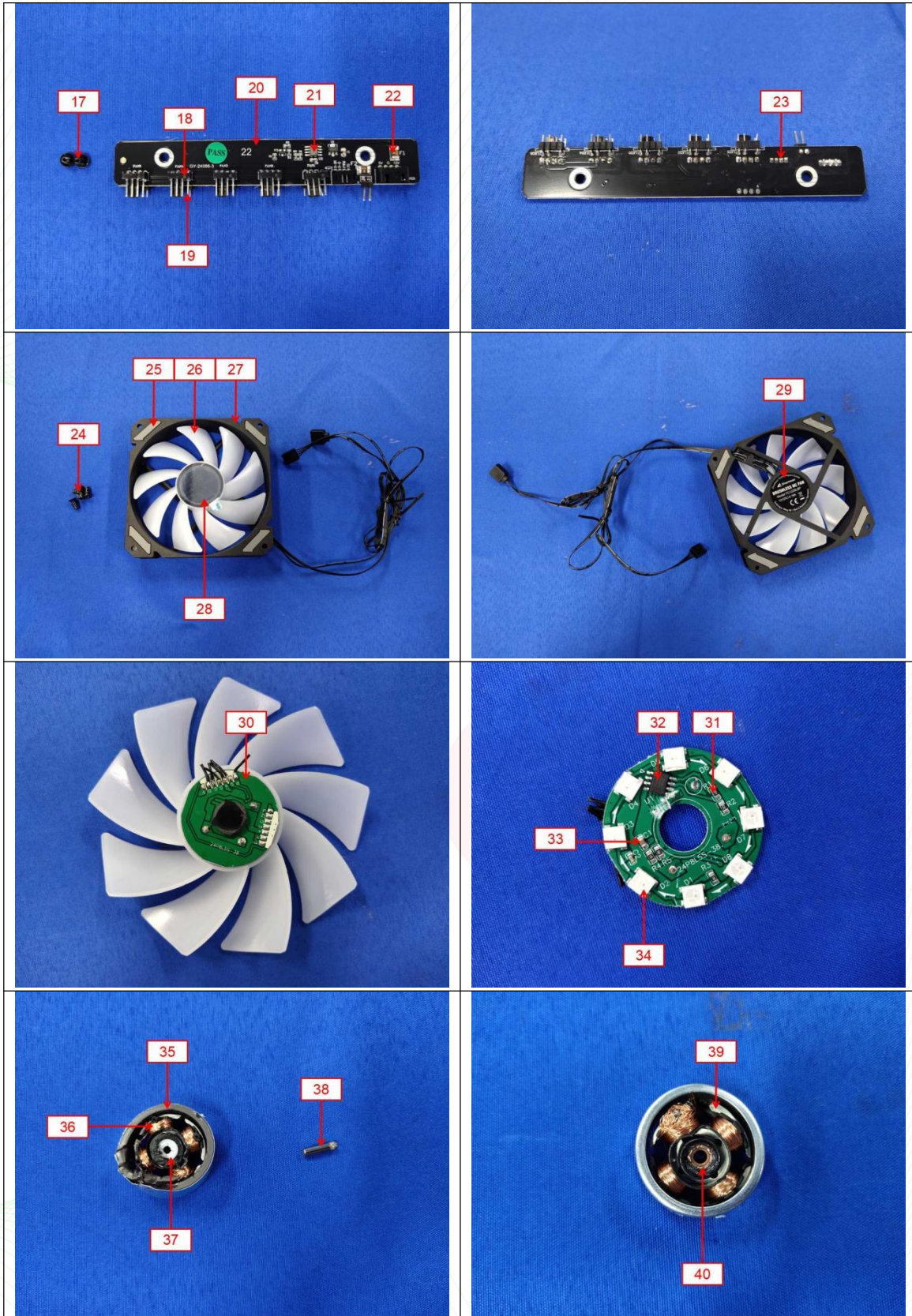
5. Phthalates(DBP, BBP, DEHP & DIBP) : IEC 62321-8:2017

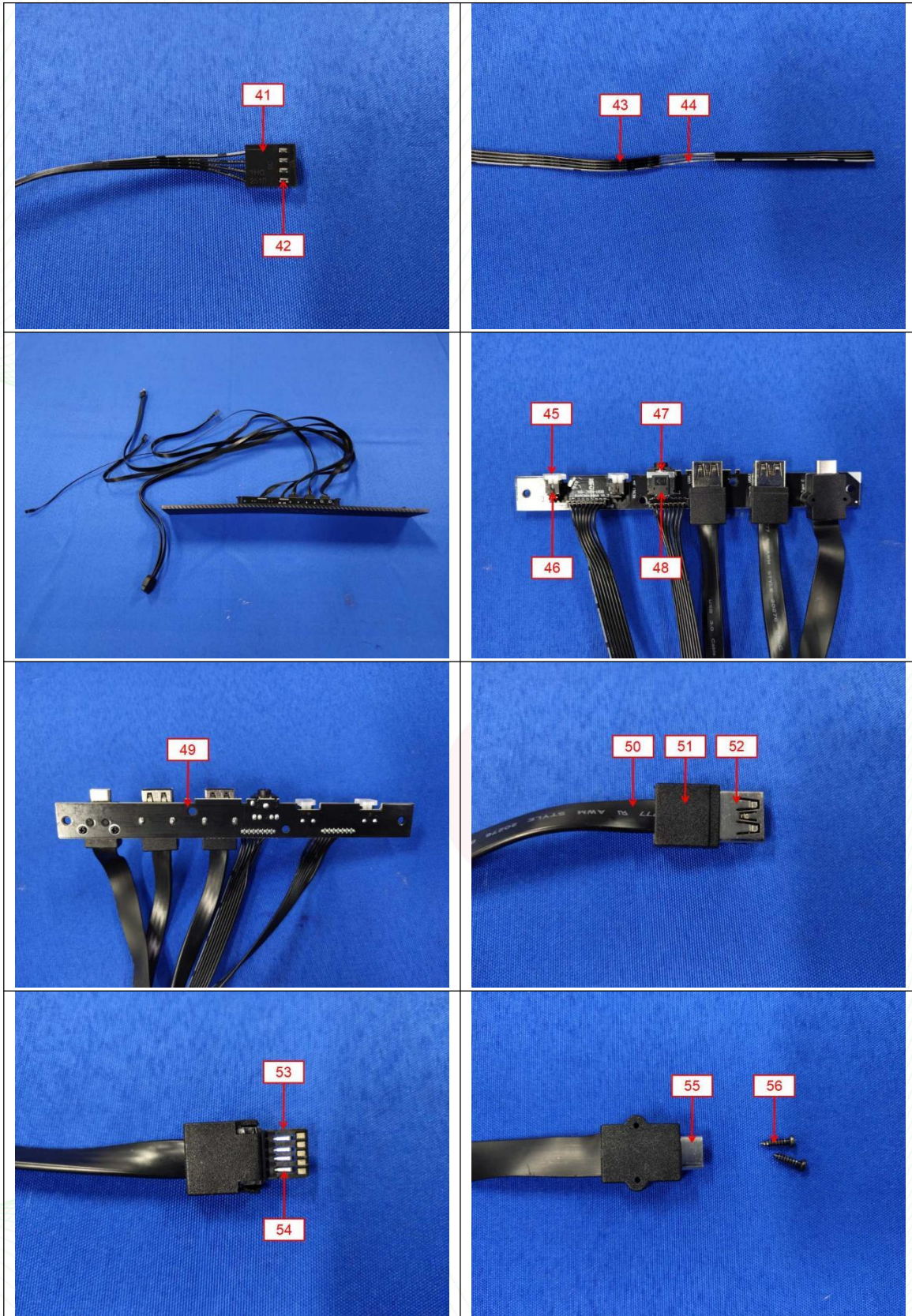


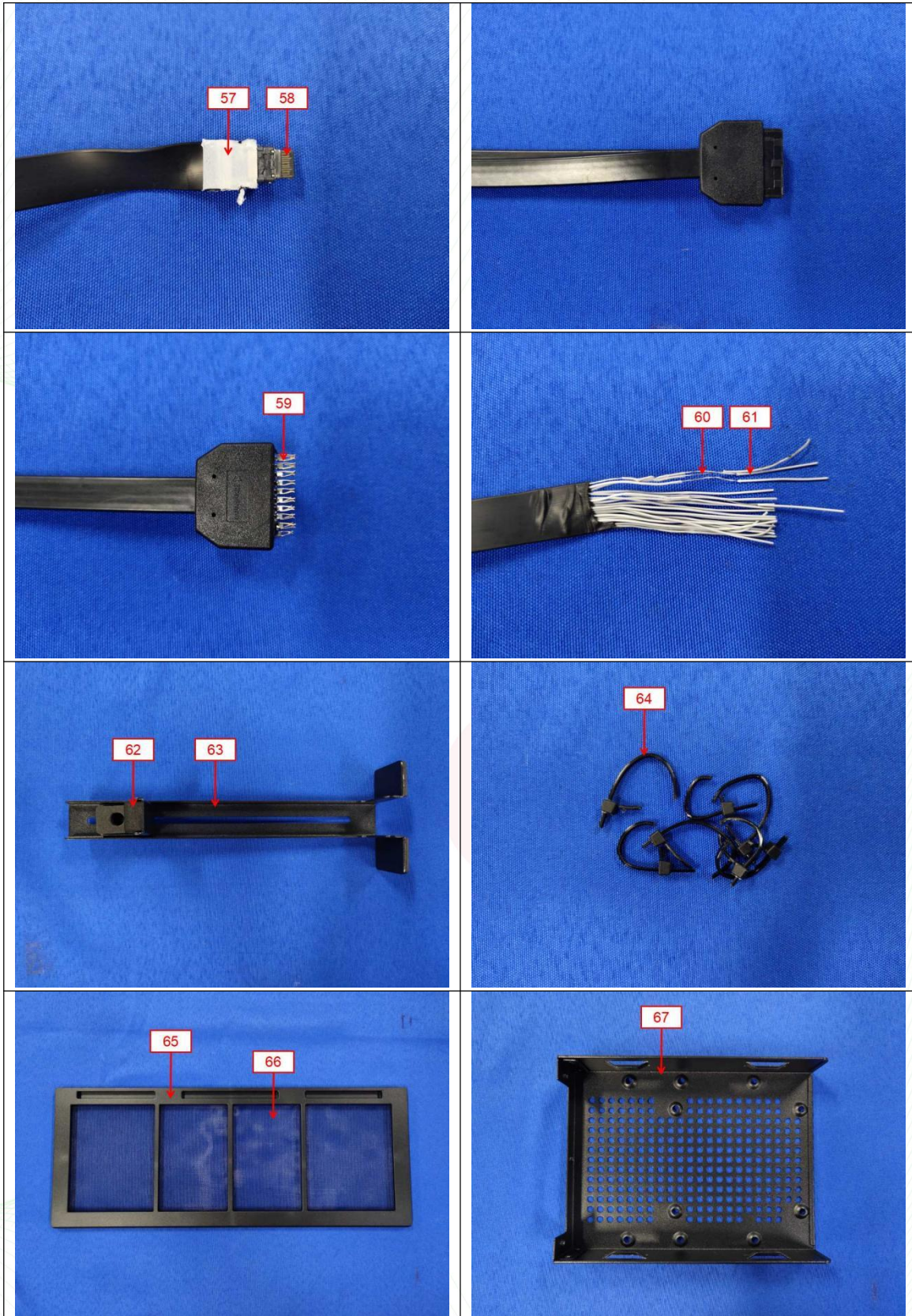
The photo(s) of the sample











Statement:

1. The test report is invalid without the signature of the approver and the special seal for the company's report;
2. The company name, address and sample information shown on the report were provided by the applicant who should be responsible for the authenticity which are not verified by SLCS;
3. The test results in this report are only responsible for the tested samples;
4. Without written approval of SLCS, this report can't be reproduced except in full;
5. In case of any discrepancy between the corresponding Chinese and English contents in the test report, the Chinese version shall prevail.

*** End of Report ***

