



TEST REPORT

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

Report on the submitted samples said to be:

Sample Name(s) : Wire & Wireless gaming mouse
Trade Mark : Sharkoon
Tested Model No. : Sharkoon FIREGLIDER One
Sample Received Date : October 14, 2025
November 26, 2025
Testing Period : October 14, 2025 ~ October 20, 2025
November 26, 2025 ~ November 28, 2025
Date of Report : November 28, 2025
Testing Location : 101-106, 202-206, Building 037, No. 166, Jinghua Road, Ningbo High-tech Zone, Yinzhou District, Ningbo City, Zhejiang Province, China
Results : Please refer to next page(s).

TEST REQUEST	CONCLUSION
As specified by client, based on the performed tests on submitted sample, the result 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) content comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.	PASS

Signed for and on behalf of Xuntong

Miranda Mo
Miranda Mo /Laboratory Manager



**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	White hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
2	White soft plastic	BL	BL	BL	BL	BL	BL	2025-10-14
3	Transparent hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
4	Silver screw	BL	BL	BL	BL	/	/	2025-10-14
5	Black screw	BL	BL	BL	BL	/	/	2025-10-14
6	FPC	BL	BL	BL	BL	BL	BL	2025-10-14
7	Transparent hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
8	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
9	Black soft plastic	BL	BL	BL	BL	BL	BL	2025-10-14
10	White hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
11	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
12	Contact pin	BL	BL	BL	BL	/	/	2025-10-14
13	Brown hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
14	Blue hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
15	Shrapnel	BL	BL	BL	BL	/	/	2025-10-14
16	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
17	Pin	BL	BL	BL	BL	/	/	2025-10-14
18	Printed Circuit Board	BL	BL	BL	BL	BL	BL	2025-10-14
19	Solder	BL	BL	BL	BL	/	/	2025-10-14
20	Blue hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
21	White hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
22	Copper-colored metal	BL	BL	BL	BL	/	/	2025-10-14
23	Blue hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
24	Pin	BL	BL	BL	BL	/	/	2025-10-14
25	IC body	BL	BL	BL	BL	BL	BL	2025-10-14
26	White hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
27	Transparent hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
28	IC body	BL	BL	BL	BL	BL	BL	2025-10-14

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Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr [▼]	Br [▼]		
						PBBs	PBDEs	
29	Green hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
30	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
31	Grey hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
32	Grey hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
33	Pin	BL	BL	BL	BL	/	/	2025-10-14
34	Capacitor	BL	BL	BL	BL	BL	BL	2025-10-14
35	Lamp bead	BL	BL	BL	BL	BL	BL	2025-10-14
36	Silver metal	BL	BL	BL	BL	/	/	2025-10-14
37	Red hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
38	Silver metal	BL	BL	BL	BL	/	/	2025-10-14
39	Copper-colored metal	BL	BL	BL	BL	/	/	2025-10-14
40	Grey hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
41	Pin	BL	BL	BL	BL	/	/	2025-10-14
42	IC body	BL	BL	BL	BL	BL	BL	2025-10-14
43	Silver metal	BL	BL	BL	BL	/	/	2025-10-14
44	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
45	Contact pin	BL	BL	BL	BL	/	/	2025-10-14
46	Silver metal	BL	BL	BL	BL	/	/	2025-10-14
47	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
48	Grey hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
49	Solder	BL	BL	BL	BL	/	/	2025-10-14
50	Printed Circuit Board	BL	BL	BL	BL	BL	BL	2025-10-14
51	Silver metal	BL	BL	BL	BL	/	/	2025-10-14
52	Red hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
53	Shrapnel	BL	BL	BL	BL	/	/	2025-10-14
54	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
55	Pin	BL	BL	BL	BL	/	/	2025-10-14
56	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
57	White hard plastic	BL	BL	BL	BL	BL	BL	2025-10-14
58	Red wire insulation	BL	BL	BL	BL	BL	BL	2025-10-14
59	Yellow wire insulation	BL	BL	BL	BL	BL	BL	2025-10-14
60	Black wire insulation	BL	BL	BL	BL	BL	BL	2025-10-14
61	Adhesive tape	BL	BL	BL	BL	BL	BL	2025-10-14

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Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr▼	Br▼		
						PBBs	PBDEs	
62	Silver soft plastic	BL	BL	BL	BL	BL	BL	2025-10-14
63	Black hard plastic	BL	BL	BL	BL	BL	BL	2025-11-26
64	Green hard plastic	BL	BL	BL	BL	BL	BL	2025-11-26
65	IC body	BL	BL	BL	BL	BL	BL	2025-11-26
66	White hard plastic	BL	BL	BL	BL	BL	BL	2025-11-26
67	Transparent hard plastic	BL	BL	BL	BL	BL	BL	2025-11-26
68	IC body	BL	BL	BL	BL	BL	BL	2025-11-26
69	Blue hard plastic	BL	BL	BL	BL	BL	BL	2025-11-26
70	White hard plastic	BL	BL	BL	BL	BL	BL	2025-11-26
71	Silver metal	BL	BL	BL	BL	/	/	2025-11-26
72	Solder	BL	BL	BL	BL	/	/	2025-11-26
73	Printed Circuit Board	BL	BL	BL	BL	BL	BL	2025-11-26

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.

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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 DBP, BBP, DEHP & DIBP content**

Test method:

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) Phthalates(DBP, BBP, DEHP &DIBP)

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		1+2+3+6+7+8	
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)
		9+10+11+13+14+16	
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+23+25+26	
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

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Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		27+28+29+30+31+32	
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+35+37+40+42+44	
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)
		47+48+50+52+54+56	
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)
		57+58+59+60+61+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

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Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		63+64+65+66+67+68	
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)
		69+70+73	
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:

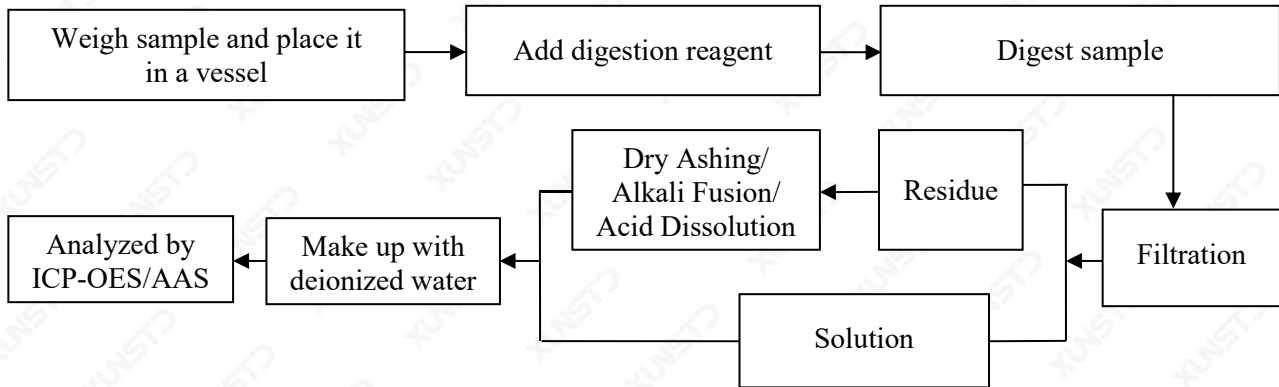
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg= milligram per kilogram=ppm
- According to customer's requirement, only the appointed materials have been tested.



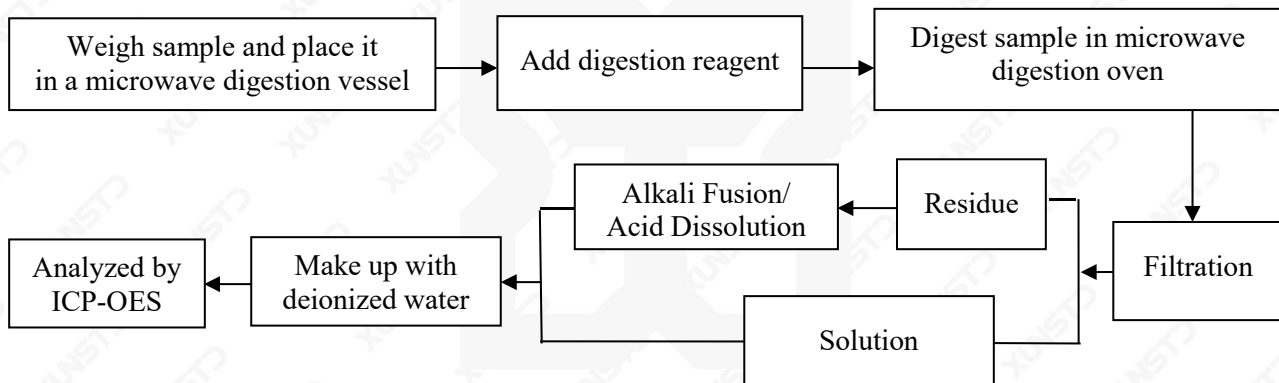


Test Process

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

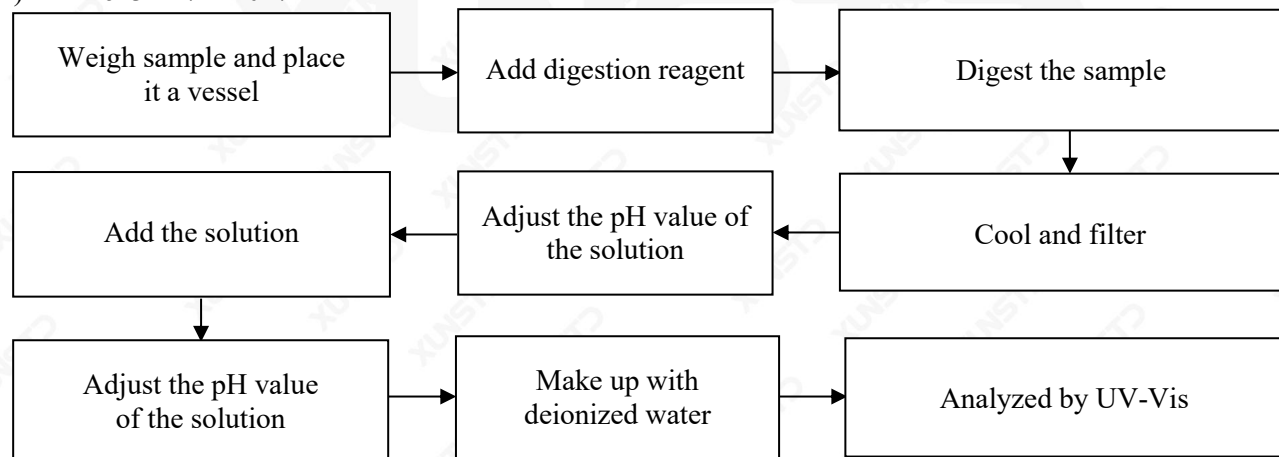


2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV



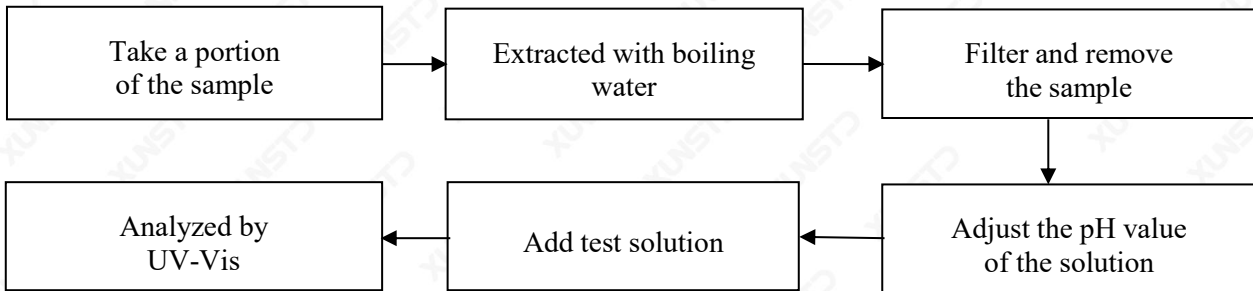
3. Hexavalent Chromium(Cr(VI))

1) IEC 62321-7-2:2017

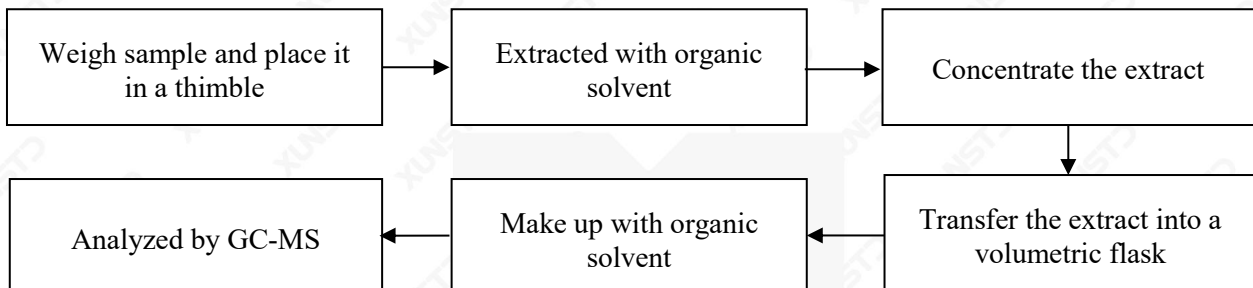




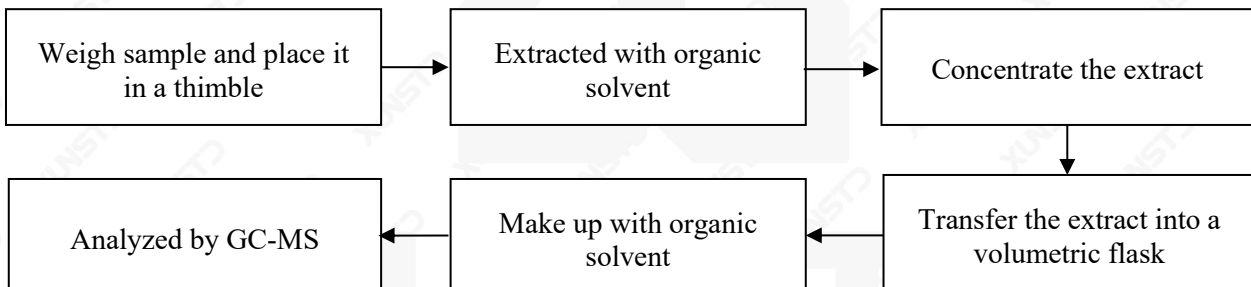
2) IEC 62321-7-1:2015



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



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





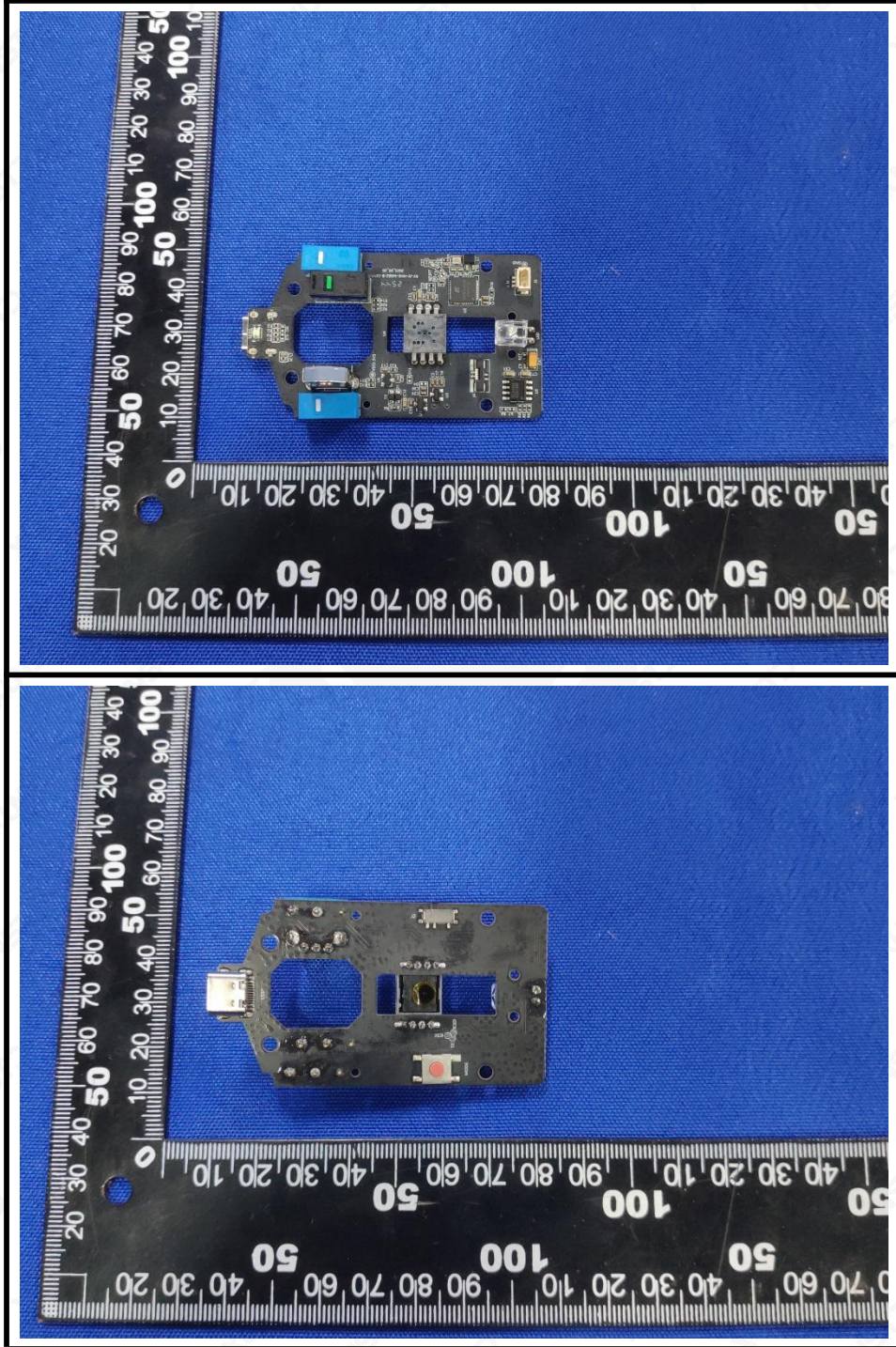
The photo(s) of the sample



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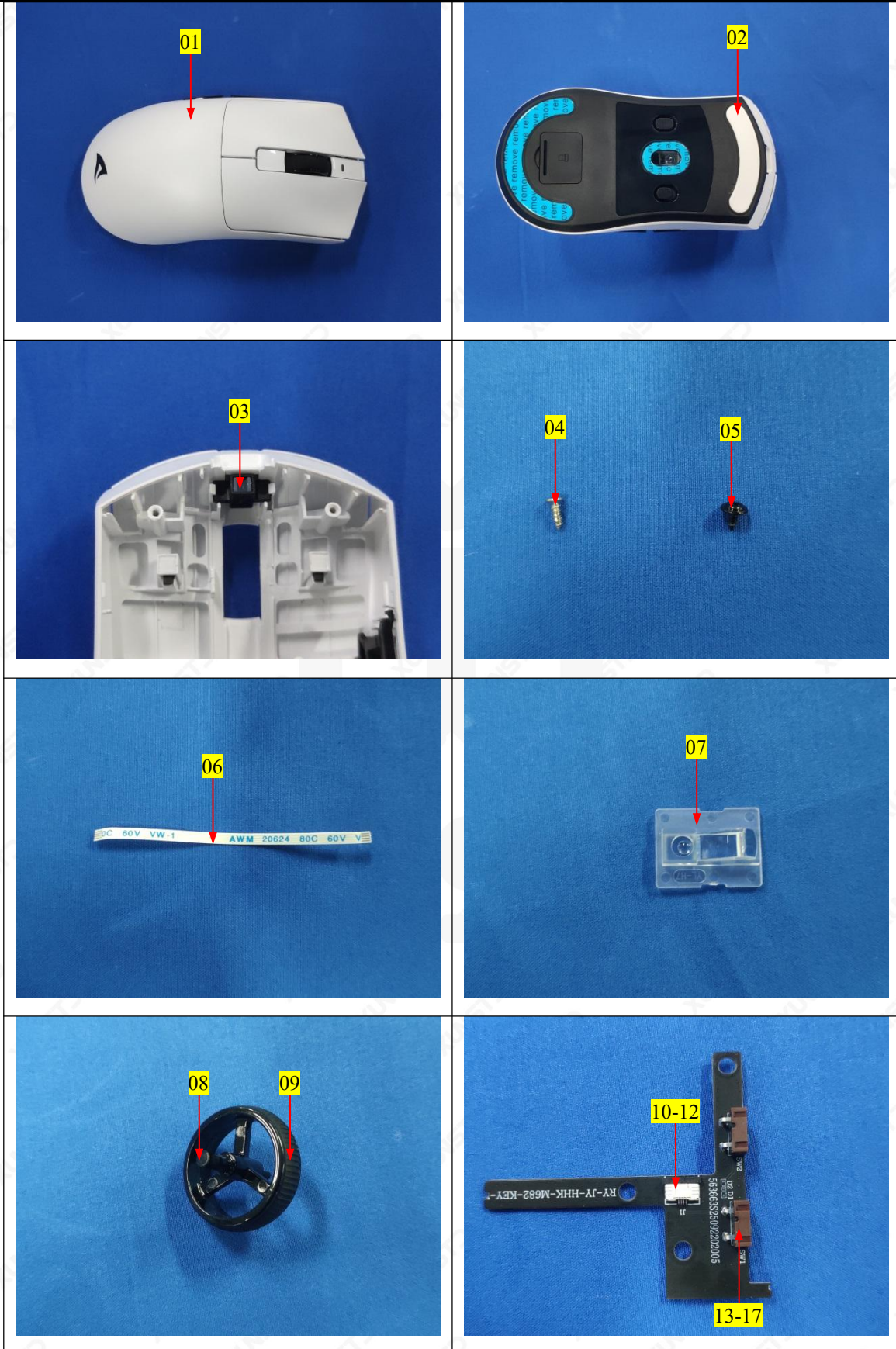
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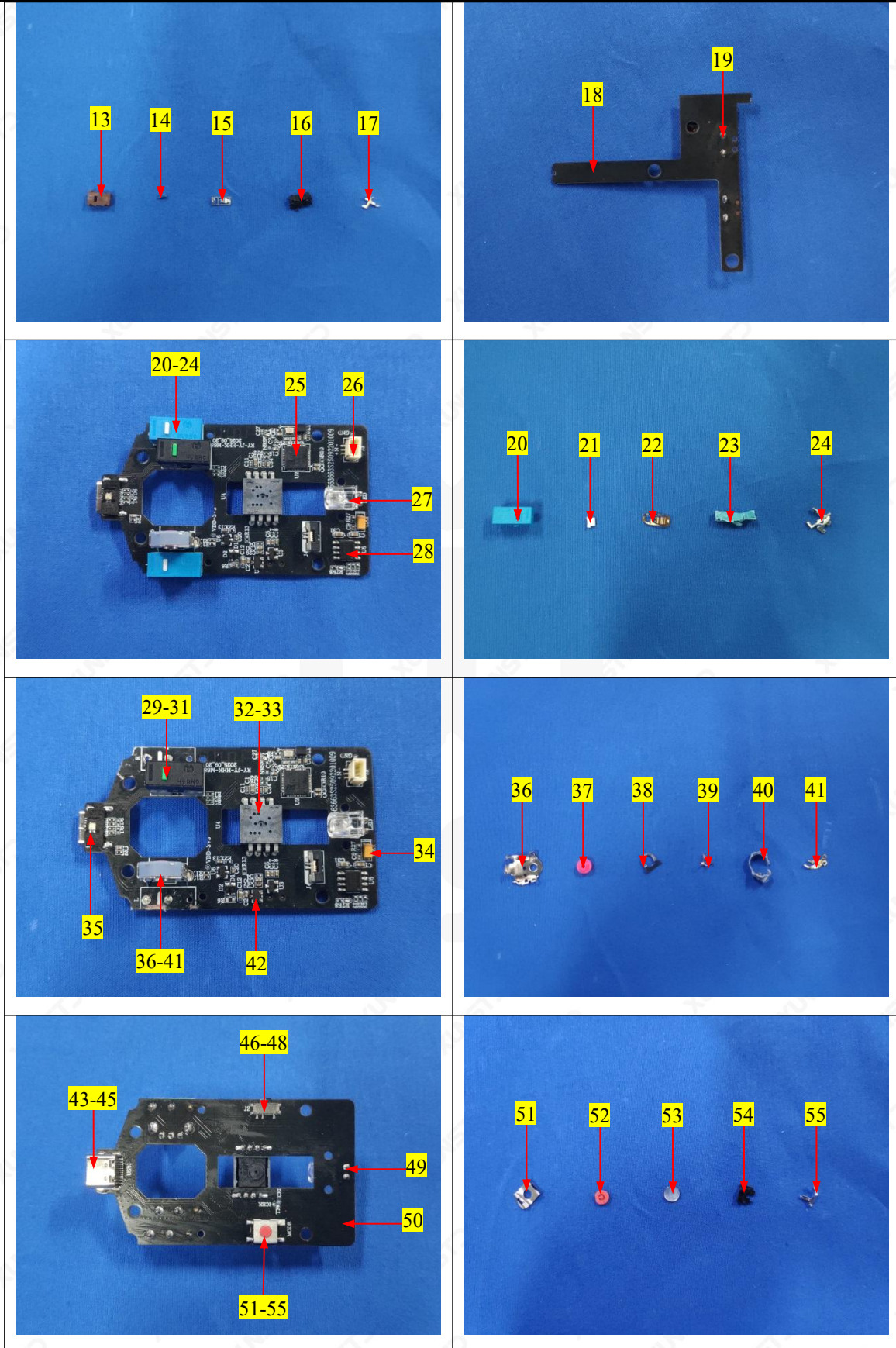
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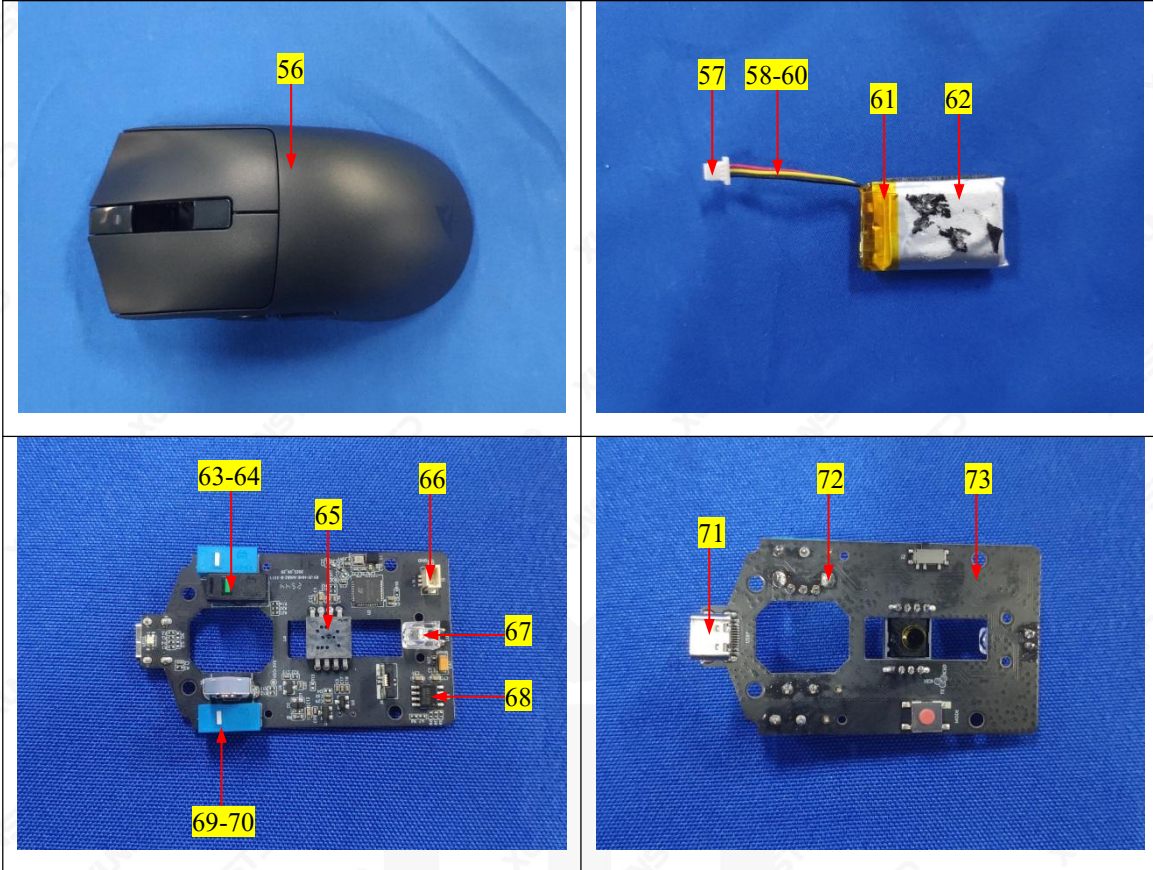
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Statement:

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 Xuntong;
3. The test results in this report are only responsible for the tested samples;
4. Without written approval of Xuntong, 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.

Revision History

Revision	Issue Date	Revision Content	Revised By
001	2025.11.28	According to customer's requirement Add tests Other information remains unchanged. The XT10105002R001 report replaces the original XT10105002R report, and the original report is invalid.	Zhang Chen

*** End of Report ***

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