

Test Report

Report No. : MTi250416027-0101C1
Date of Issue : May 14, 2025
Applicant : Searebbel SL
Product : MobilePilot
Test Type : Commissioned Inspection

Shenzhen Microtest Co., Ltd.



TEST REPORT

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Basic Information			
Applicant	Searebbel SL		
Applicant Address	C/ Costa i Llobera 47, Inca, 07300, Spain		
Manufacturer	Searebbel SL		
Manufacturer Address	C/ Costa i Llobera 47, Inca, 07300, Spain		
Sample Information			
Product	MobilePilot	Main test Model	Aur
Serial Model	/	Brand/ Trademark	Searebbel
Sample Number	1	Model difference	/
Testing Information			
Sample Receive Date	April 25, 2025	Sample Source	Customer provided
Test Specification	With reference to RoHS Directive 2011/65/EU and its amending (EU) 2015/863 (RoHS 2.0) .		
Date of Tests	April 25, 2025- May 12, 2025		
Test Address	Chemistry laboratory		
Test Results	Please refer to next page(s).		
Test Conclusion	The submitted sample(s) complied with the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs, DBP, BBP, DEHP, DIBP content requirement according to RoHS Directive 2011/65/EU and its amending (EU) 2015/863 (RoHS 2.0).		
Prepared by:	Rita Li		
Reviewed by:	Sunshing Chen		
Approved by:	Tina Huang		

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Test Method:

1. With reference to IEC 62321-3-1:2013, screening by XRF spectroscopy.
2. Wet chemical test method.
 - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 - c. With reference to IEC 62321-4:2013+AMD1:2017, determination of Mercury by ICP-OES.
 - d. With reference to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determination of Hexavalent chromium by Colorimetric method using UV-Vis.
 - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
3. With reference to IEC 62321-8: 2017, determination of phthalates by GC-MS.

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Test Results:

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
1	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
2	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
3	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
4	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
5	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
6	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
7	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
8	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	X	N.D.	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
9	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

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10	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
11	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
12	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
13	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
14	Silver metal screw	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

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15	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
16	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
17	Silver metal nut	Pb*	OL	20599*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
18	Silver metal gasket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
19	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

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20	Golden metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
21	Golden metal	Pb*	OL	19835*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
22	Transparent glass	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
23	Silver plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
24	Black seal ring	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
25	Silver metal gasket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
26	Black seal ring	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
27	Silver metal gasket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
28	Silver metal gasket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
29	Black seal ring	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
30	Silver metal gasket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
31	Silver metal gasket	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
32	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
33	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
34	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
35	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
36	Black soft plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
37	Black soft plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
38	Yellow wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
39	Silver metal wire	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
40	Green wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
41	Blue wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
42	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
43	Yellow wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
44	Red wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
45	Green wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
46	Green wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
47	Yellow plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
48	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
49	Red wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
50	Yellow wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
51	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
52	Red wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
53	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
54	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
55	Red plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
56	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
57	Golden metal	Pb*	OL	25779*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
58	Golden metal	Pb*	OL	21980*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
59	Red LED	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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60	Resistance	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
61	Solder	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
62	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
63	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
64	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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65	Wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
66	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
67	Red wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
68	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
69	Silver metal	Pb*	OL	25524*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

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70	Silver metal	Pb*	OL	20813*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
71	Transparent plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
72	Black seal ring	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
73	Black seal ring	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
74	Golden metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

TEST REPORT

Report No.: MTI250416027-0101C1

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
75	White ceramic	Pb [#]	OL	967717 [#]	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
76	Solder	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
77	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
78	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
79	Green plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

TEST REPORT

Report No.: MTI250416027-0101C1

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
80	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
81	Golden metal	Pb*	OL	26516*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
82	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
83	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
84	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

TEST REPORT

Report No.: MTI250416027-0101C1

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
85	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
86	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
87	Black coated metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
88	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
89	Grey coated metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

TEST REPORT

Report No.: MTI250416027-0101C1

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
90	Yellow glue	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
91	Golden metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
92	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
93	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
94	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

TEST REPORT

Report No.: MTI250416027-0101C1

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
95	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
96	Silver metal	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
97	Solder	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	X	N.D.	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
98	PCB	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
99	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
100	Red wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
101	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
102	Copper metal wire	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
103	Black plastic	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
104	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

TEST REPORT

Report No.: MTI250416027-0101C1

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
105	Black wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
106	Red wire sheath	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
107	Antenna module	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
108	PCB	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
109	Solder	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
110	IC	Pb**	OL	17637**	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
111	Capacitor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
112	Chip capacitor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
113	Fuse	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
114	inductance	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

TEST REPORT

Report No.: MTI250416027-0101C1

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
115	IC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
116	Silver metal	Pb*	OL	18765*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
117	Capacitor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
118	IC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
119	Diode	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion
120	IC	Pb**	OL	20709**	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
121	Chip resistor	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	
122	Silver metal	Pb*	OL	22490*	Exempt
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	/	/	
		Phthalate(DBP/BBP /DEHP/DIBP)	/	/	
123	IC	Pb	BL	--	Pass
		Cd	BL	--	
		Hg	BL	--	
		Cr(Cr(VI))	BL	--	
		Br(PBBs&PBDEs)	BL	--	
		Phthalate(DBP/BBP /DEHP/DIBP)	--	N.D.	

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Remark:

- (1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr⁶⁺.
- (b) Results are obtained by XRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (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	$BL \leq (300-3\sigma) < X$	NA	$BL \leq (250-3\sigma) < X$

(c) OL=Over Limit, BL=Below Limit, X=inconclusive, LOD=Limit of Detection, /=not applicable, -- = No Testing

(d) The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition

(2) (a) mg/kg=ppm=0.0001%, N.D.=not detected (<MDL)

(b) Unit and Method Detection Limit(MDL) in wet chemical test

Test Items	Unit	MDL	Limit
Pb	mg/kg	2	1000
Cd	mg/kg	2	100
Hg	mg/kg	2	1000
Cr ⁶⁺	mg/kg	See below	1000
PBBs	mg/kg	See below	1000
PBDEs	mg/kg	See below	1000
DBP	mg/kg	50	1000
BBP	mg/kg	50	1000
DEHP	mg/kg	50	1000
DIBP	mg/kg	50	1000

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The MDL for single compound of PBBs & PBDEs is 20mg/kg, MDL of Cr^{6+} for metal sample is $0.10\mu\text{g}/\text{cm}^2$. and MDL of Cr^{6+} for polymer & composite sample is 8 mg/kg.

(c) Metal sample:

-The sample is positive for Cr^{6+} if the Cr^{6+} concentration is greater than $0.13\mu\text{g}/\text{cm}^2$.

The sample coating is considered to contain Cr^{6+} .

-The sample is negative for Cr^{6+} if Cr^{6+} is ND (concentration less than $0.10\mu\text{g}/\text{cm}^2$).

The coating is considered a non- Cr^{6+} based coating

-The result between $0.10\mu\text{g}/\text{cm}^2$ and $0.13\mu\text{g}/\text{cm}^2$ is considered to be inconclusive, unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr^{6+} results represent status of the sample at the time of testing.

(3) As specified by client to test the specified materials only.

(4) *=According to the declaration from the client, Lead (Pb) in the sample are exempted by EU RoHS Directive 2011/65/EU based on ANNEX III 6(c): Copper alloy containing no more than 4% lead by weigh

(5) #=According to the declaration from the client, Lead (Pb) in the sample are exempted by EU RoHS Directive 2011/65/EU based on ANNEX III 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors

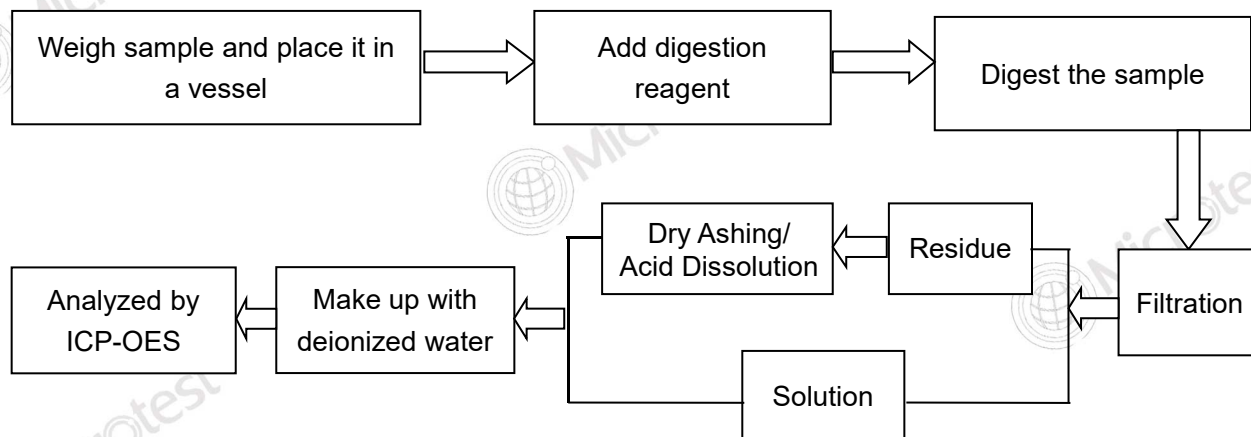
(6) **=According to the declaration from the client, Lead (Pb) in the sample are exempted by EU RoHS Directive 2011/65/EU based on ANNEX III 7(a), Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead)

TEST REPORT

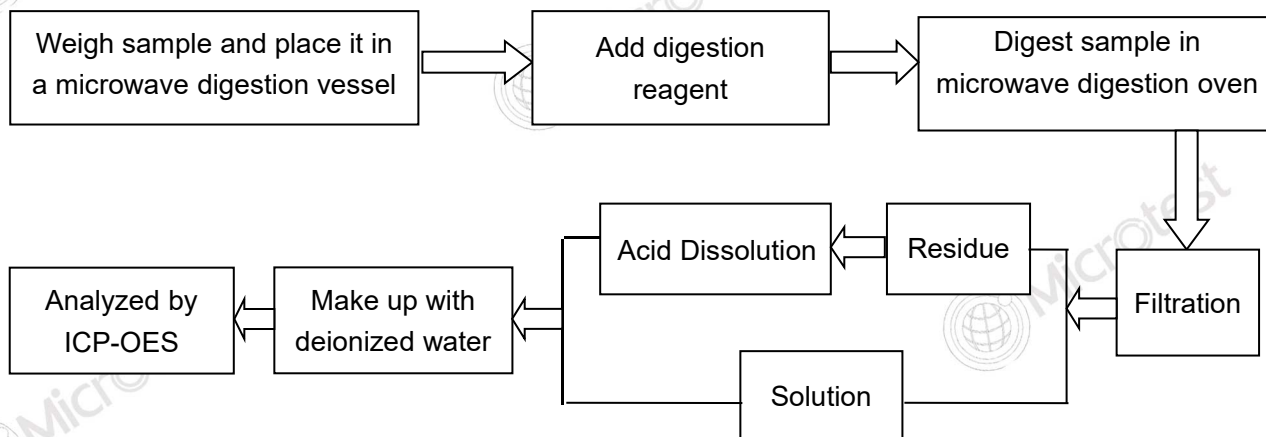
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Testing flow chart:

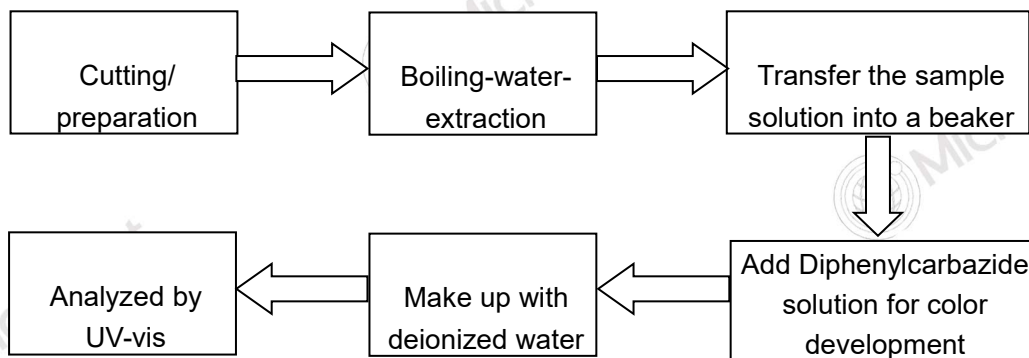
1. Lead, Cadmium



2. Mercury



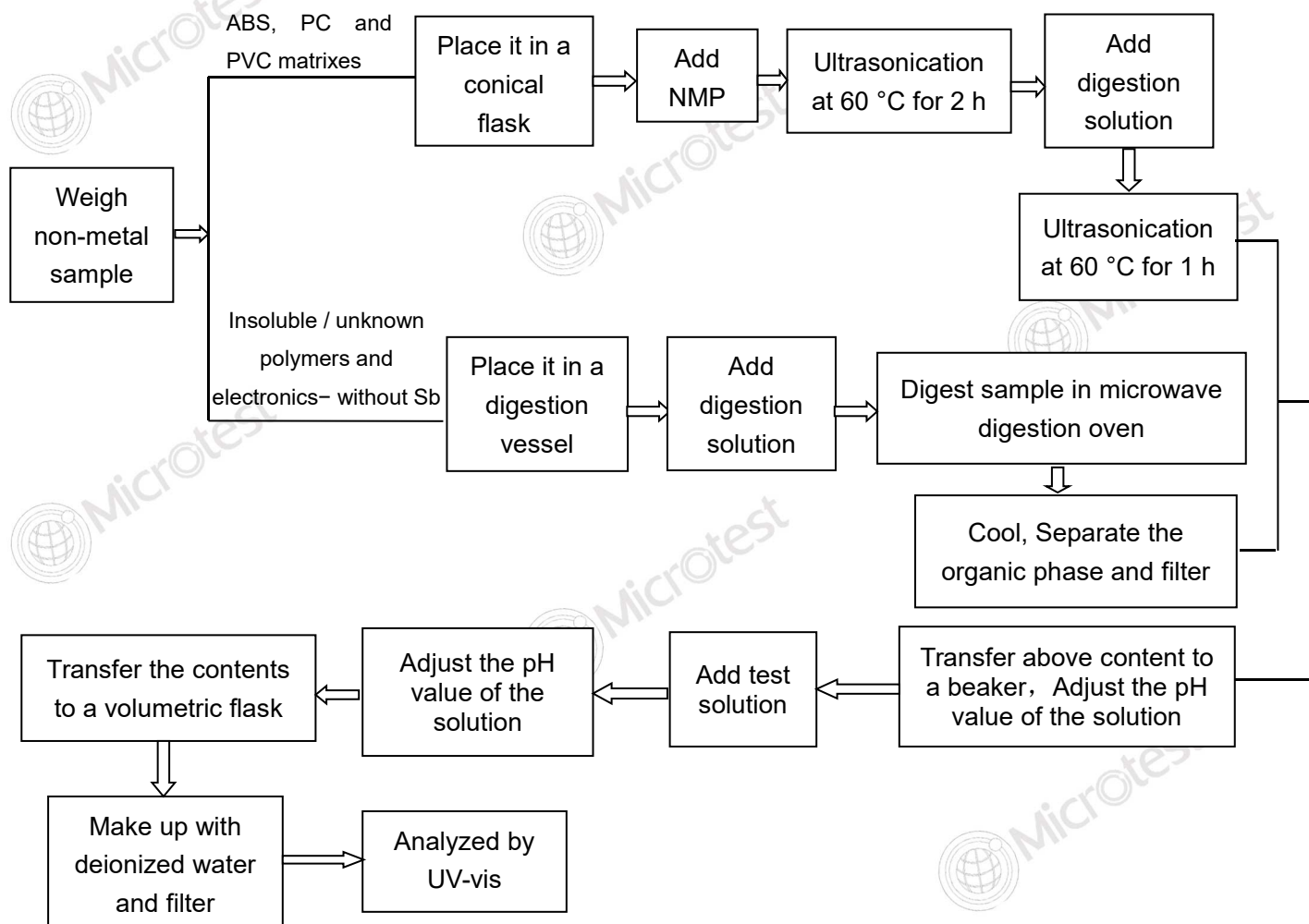
3. Hexavalent Chromium (For metal material)



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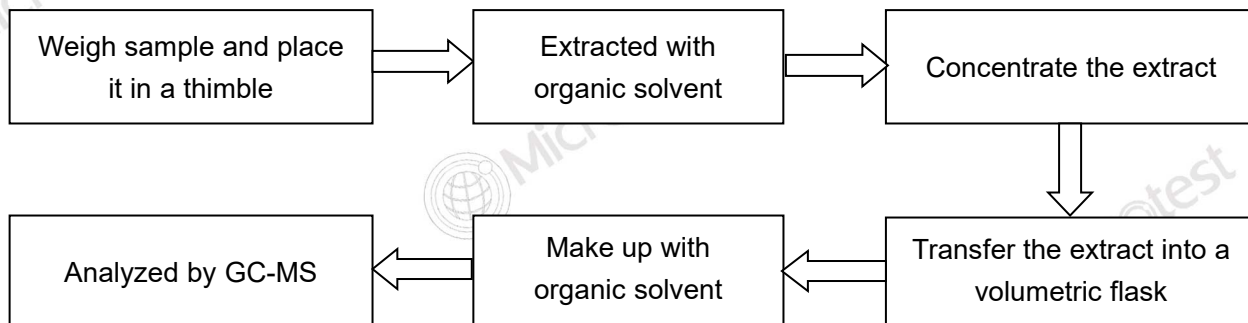
4. Hexavalent Chromium(For non-metal material):



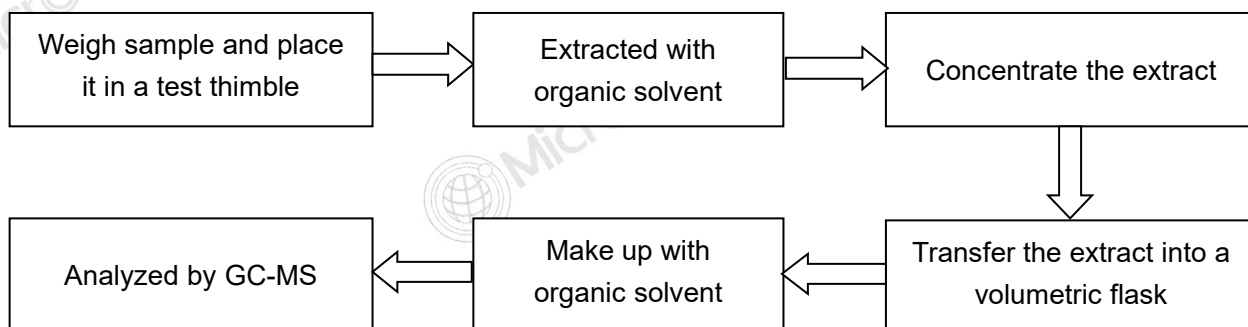
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5. Polybromobiphenyls (PBBs), Polybromodiphenyl ethers (PBDEs)



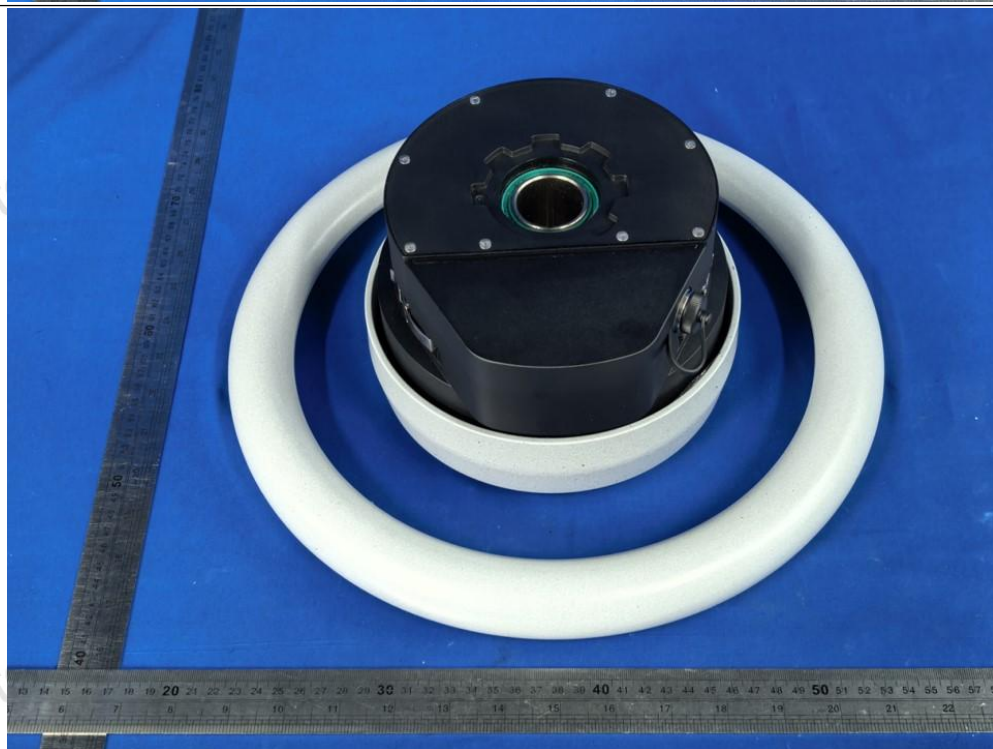
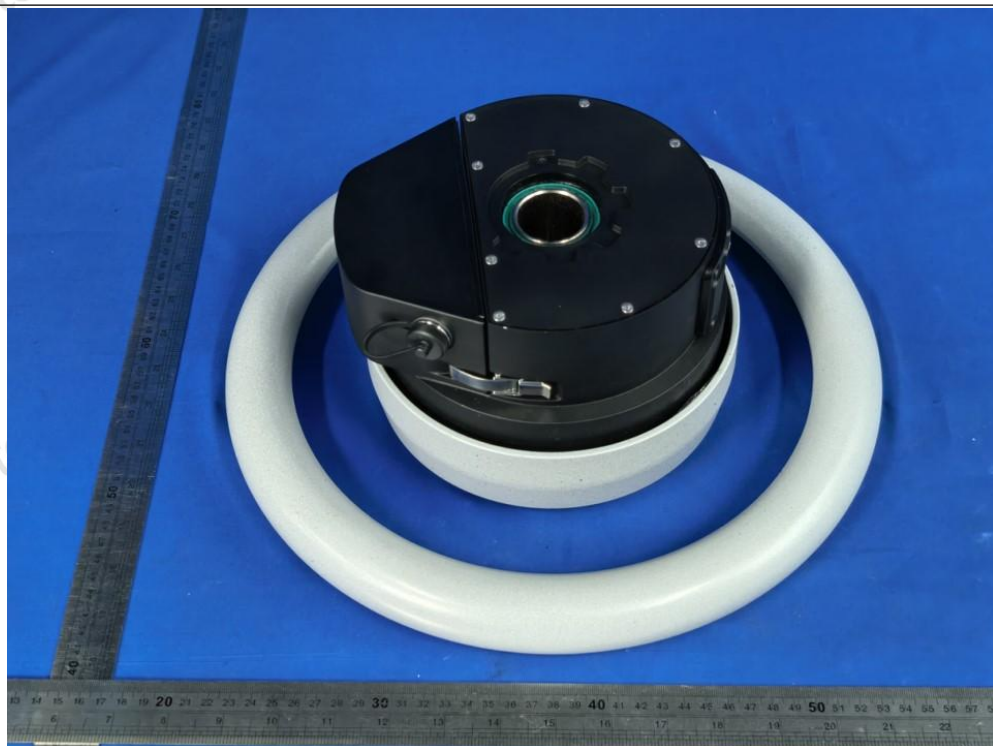
6. Phthalates(DBP, BBP, DEHP, DIBP)



TEST REPORT

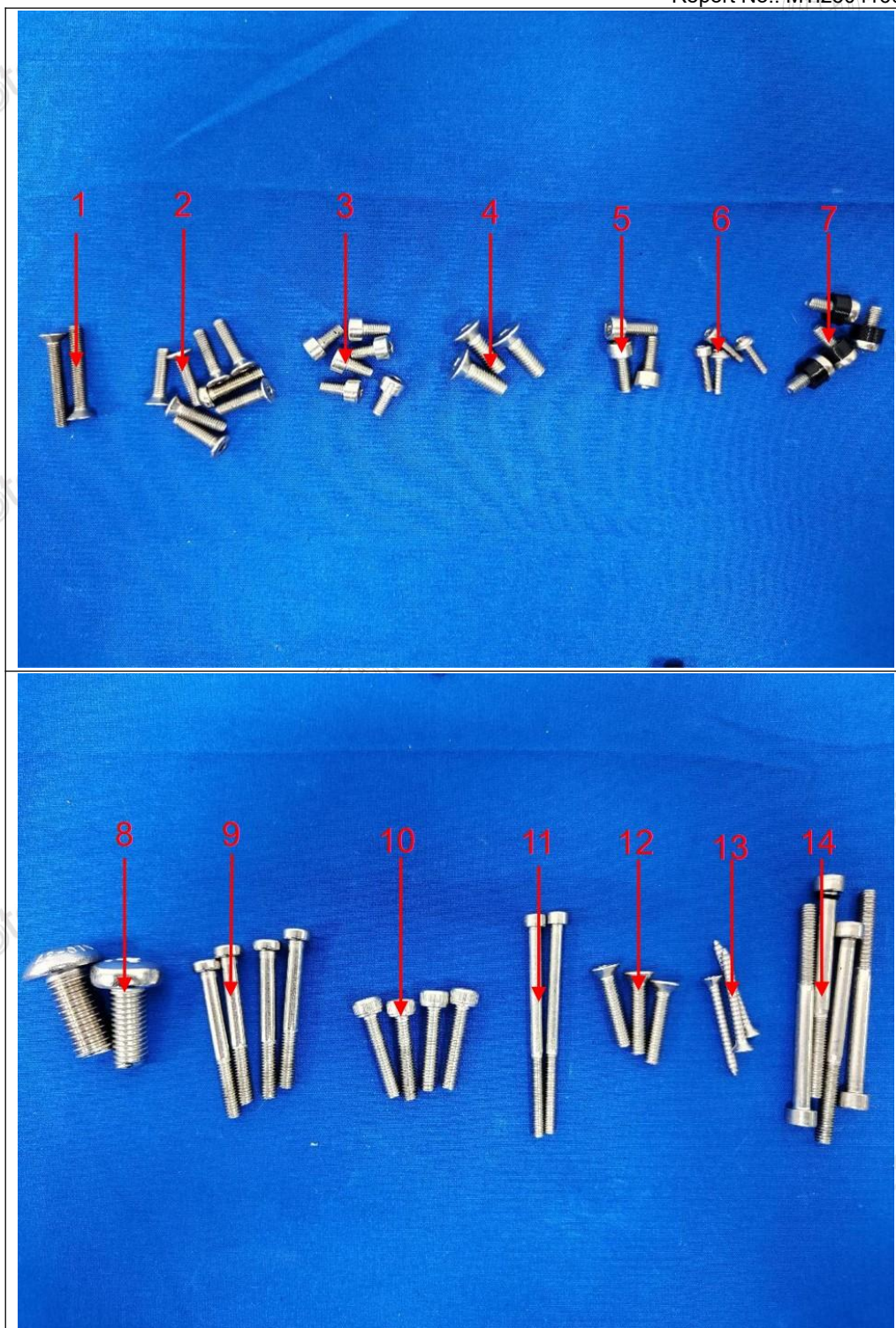
Report No.: MTi250416027-0101C1

Pictures



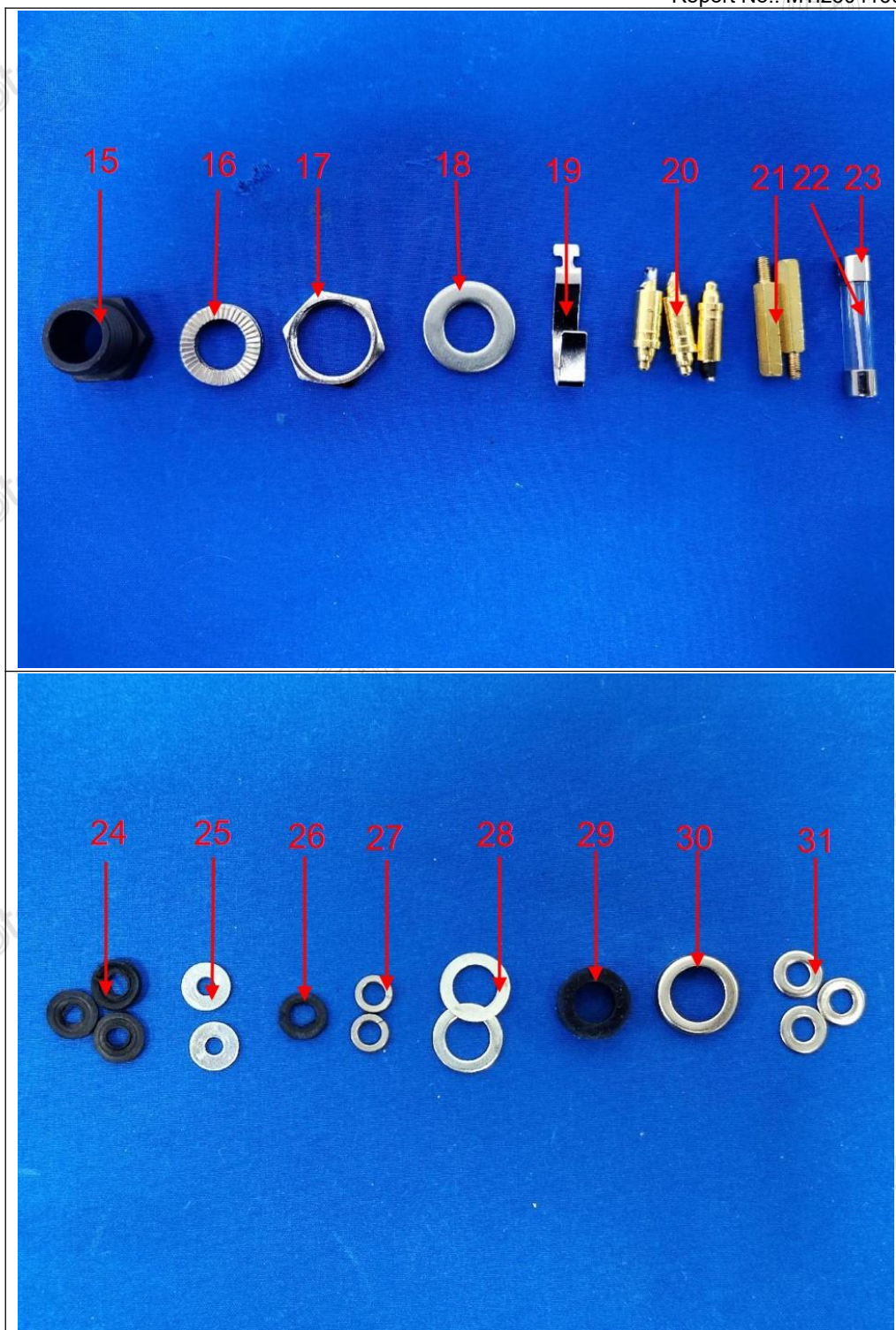
TEST REPORT

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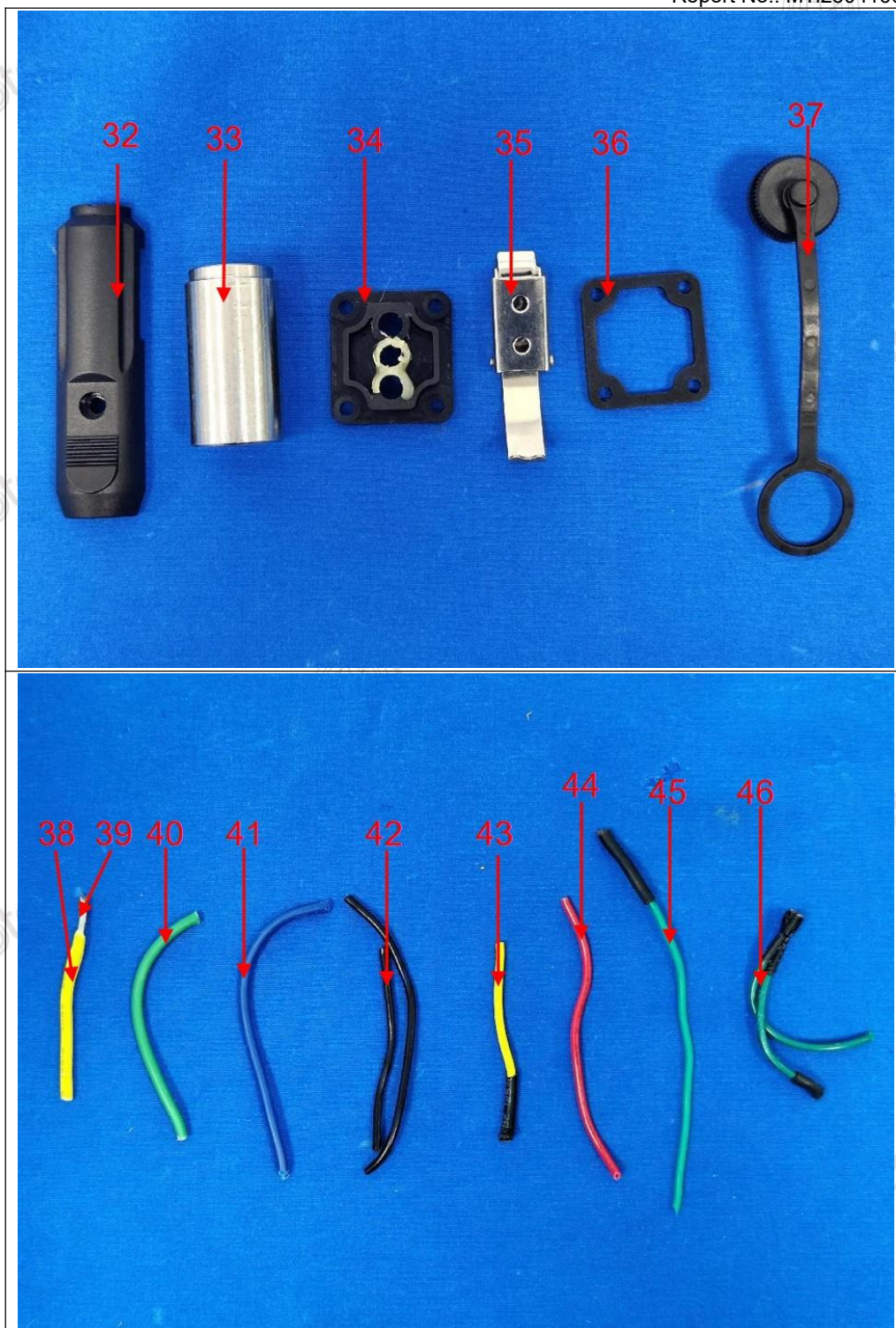
TEST REPORT

Report No.: MTi250416027-0101C1



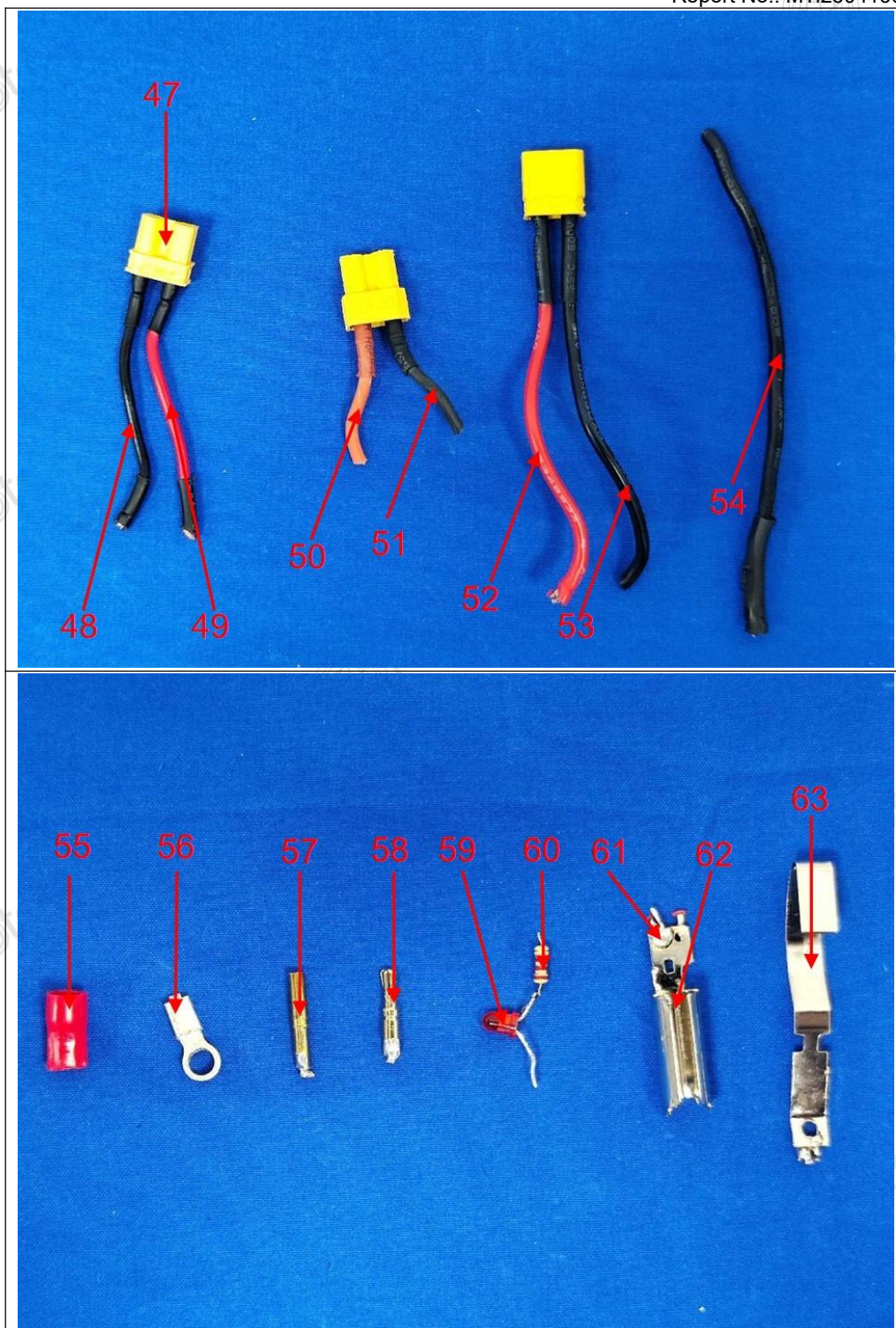
TEST REPORT

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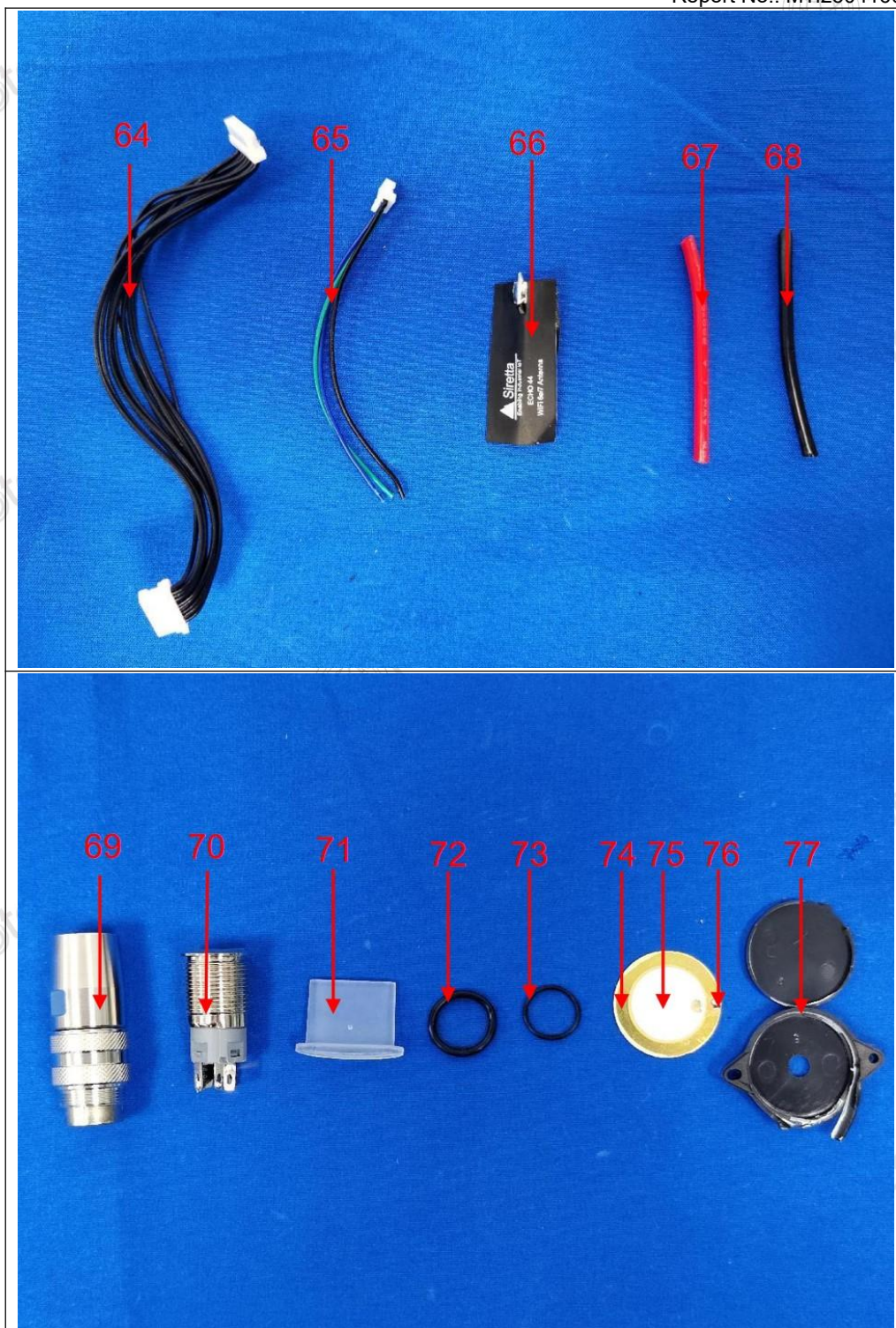
TEST REPORT

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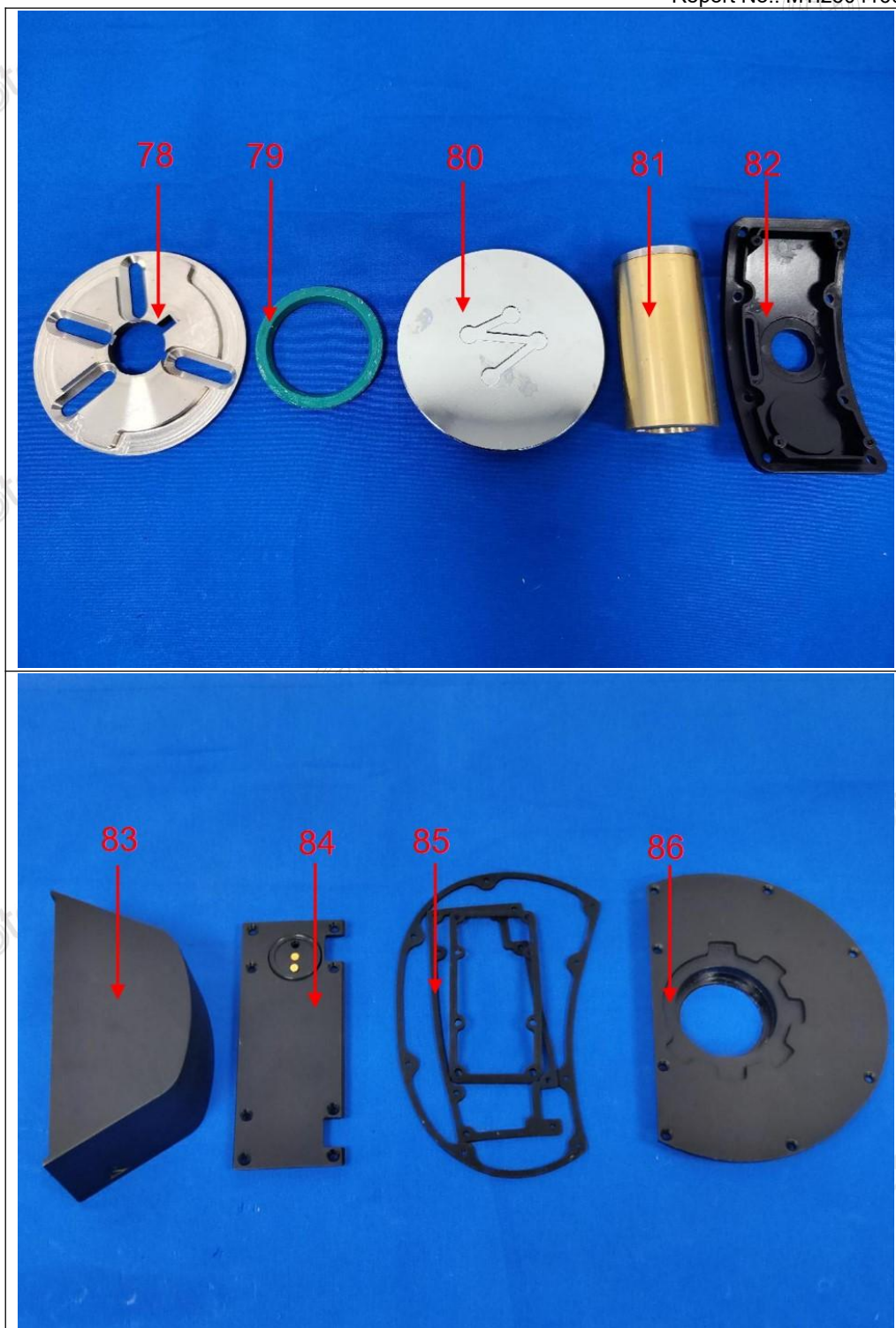
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Report No.: MTi250416027-0101C1



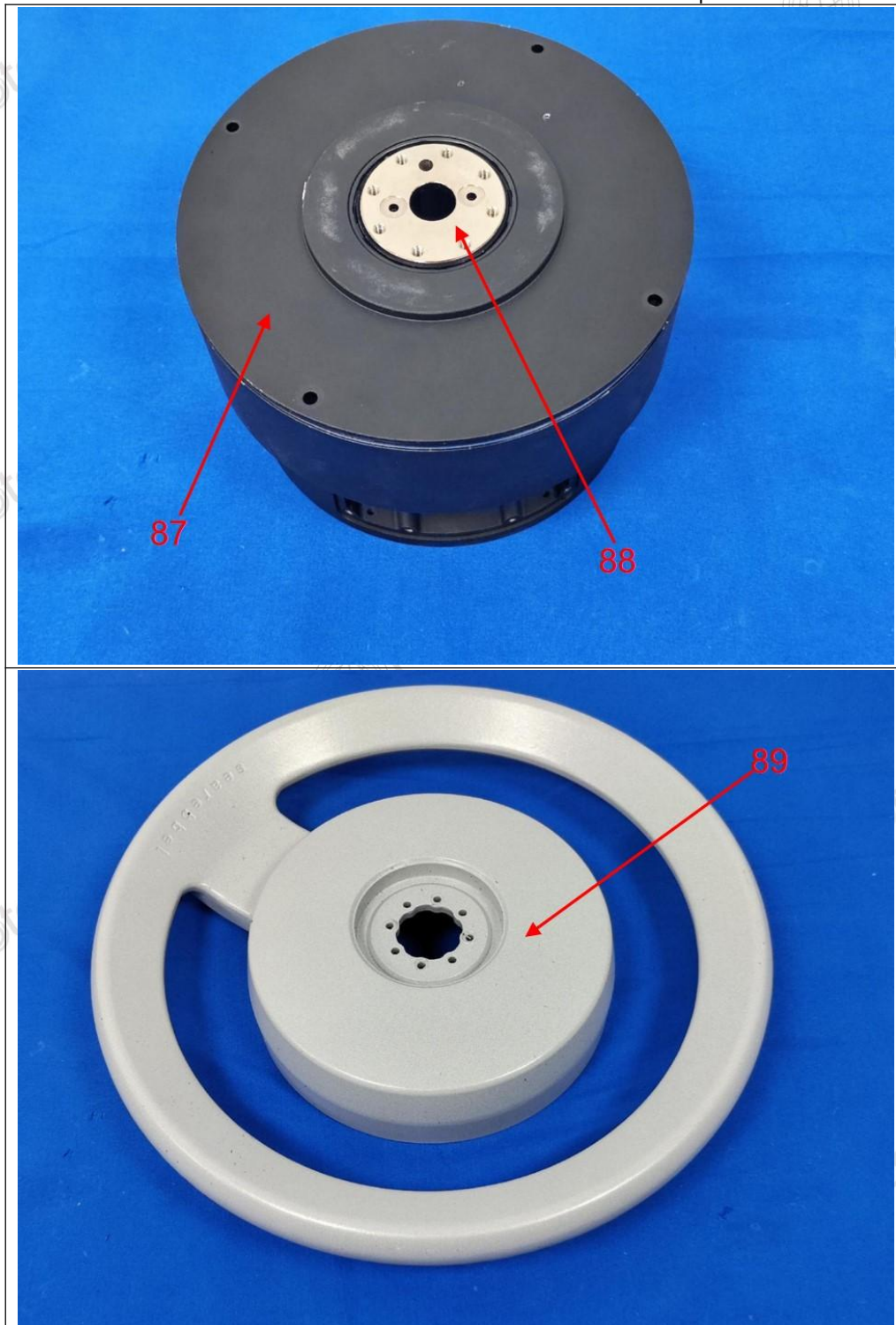
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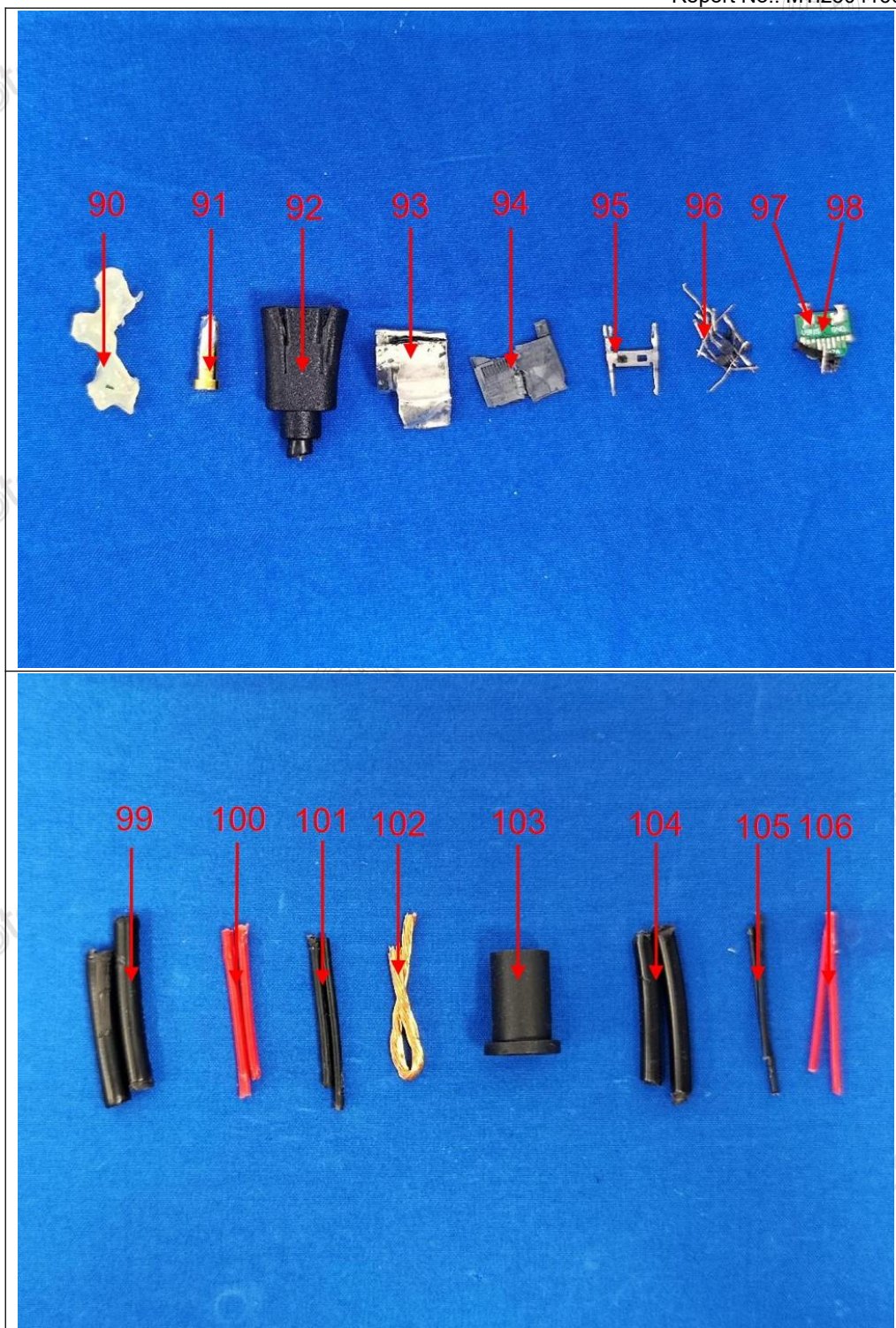
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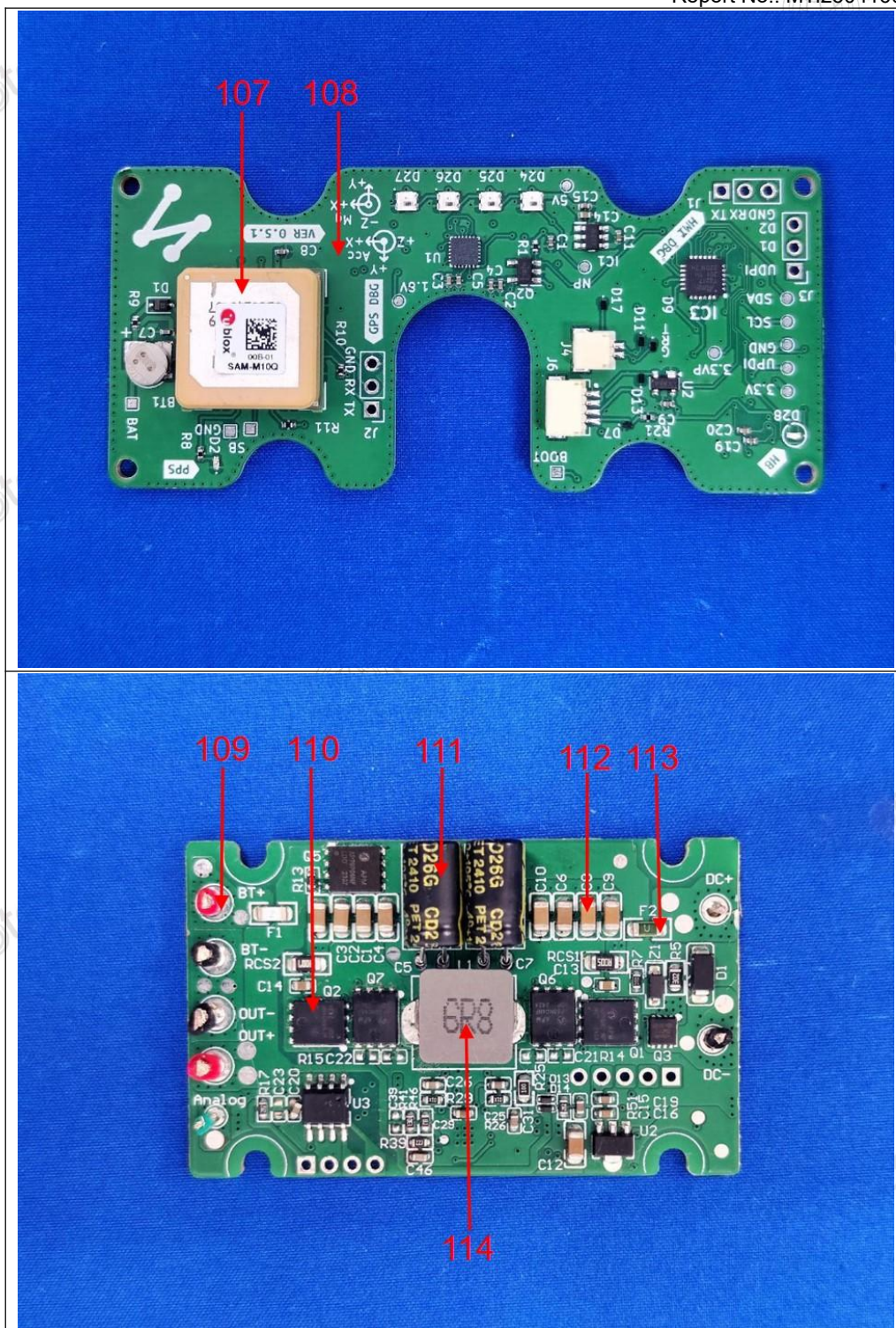
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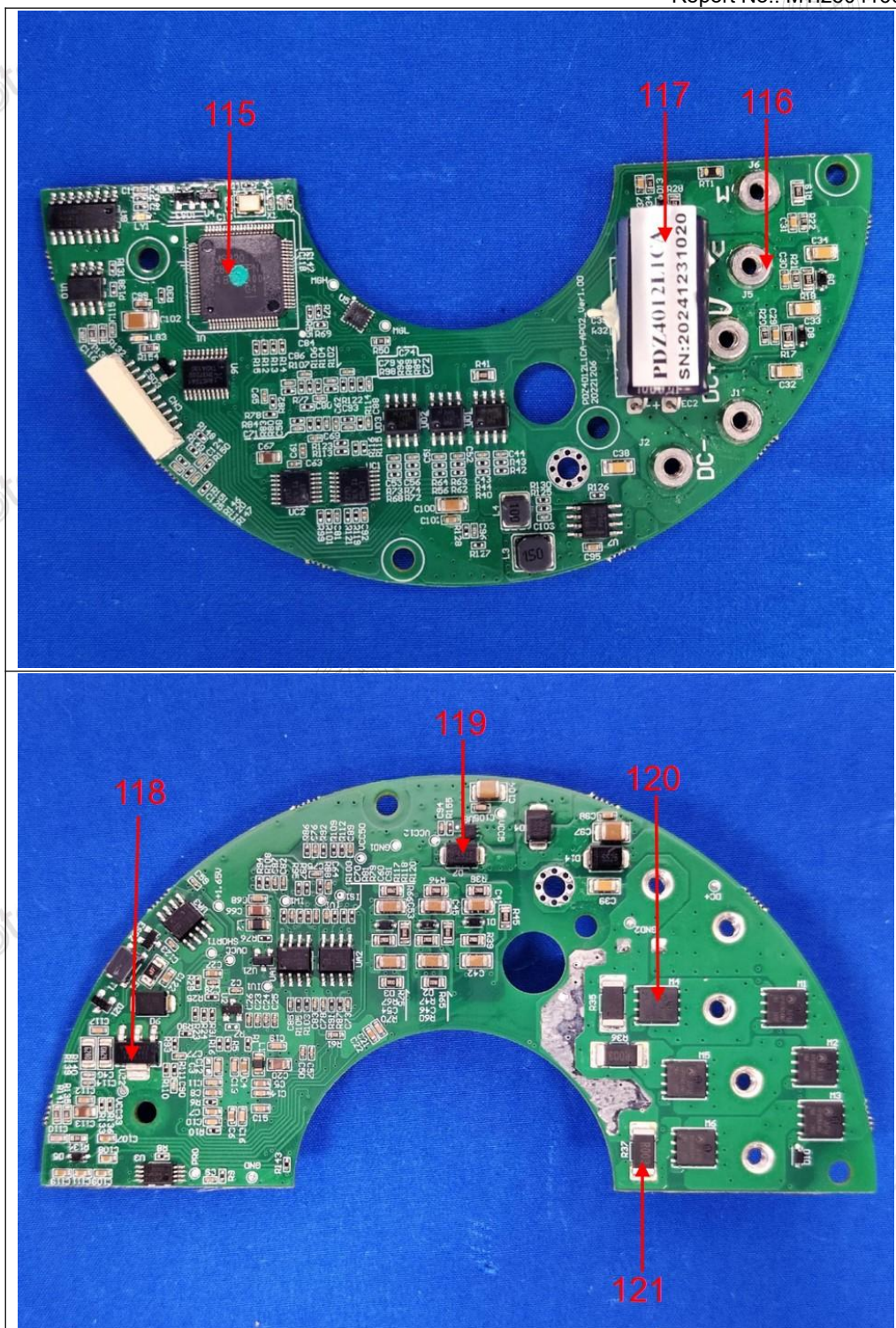
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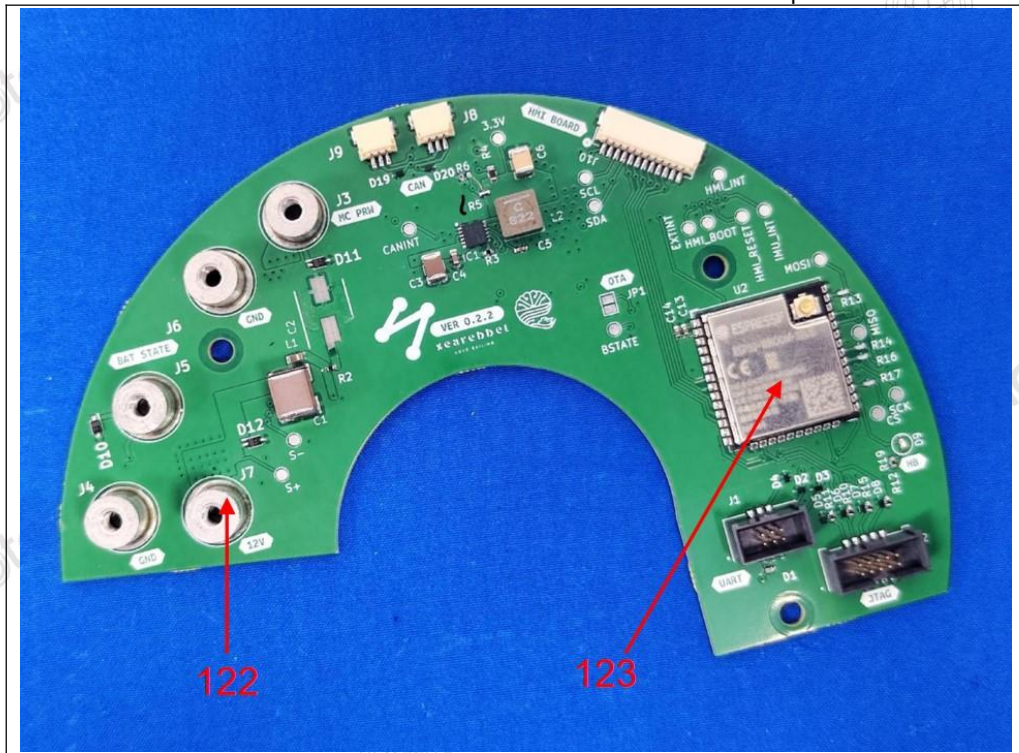
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Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

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