



TEST REPORT

Report No.: AZT260717085C-E0

Date of issue: August 11, 2026

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Applicant : Radiolink Electronic Limited
Address : 3/F, Building 2, Fuguo Industrial Park, Kaifeng Road, Meilin, Shenzhen, Guangdong, China
Manufacturer : Radiolink Electronic Limited
Address : 3/F, Building 2, Fuguo Industrial Park, Kaifeng Road, Meilin, Shenzhen, Guangdong, China

Report on the submitted samples said to be:

Sample Name : 70A 4-in-1 Electronic Speed Controller
Trade Mark : 
Tested model : AM32-70A
Date of Sample Received : July 17, 2026 & August 06, 2026
Testing Period : July 17, 2026 ~ July 30, 2026
August 06, 2026 ~ August 11, 2026
Results : Please refer to next page(s).

TEST REQUEST

According to the customer's request, based on the performed tests on submitted sample, the result of Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, Dibutyl Phthalate (DBP), Benzyl butyl Phthalate (BBP), Bis(2-ethylhexyl) Phthalate (DEHP), Diisobutyl phthalate (DIBP) content comply with the limit as set of RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863.

CONCLUSION

Pass

Signed for and on behalf of AZT



Jack Zhong



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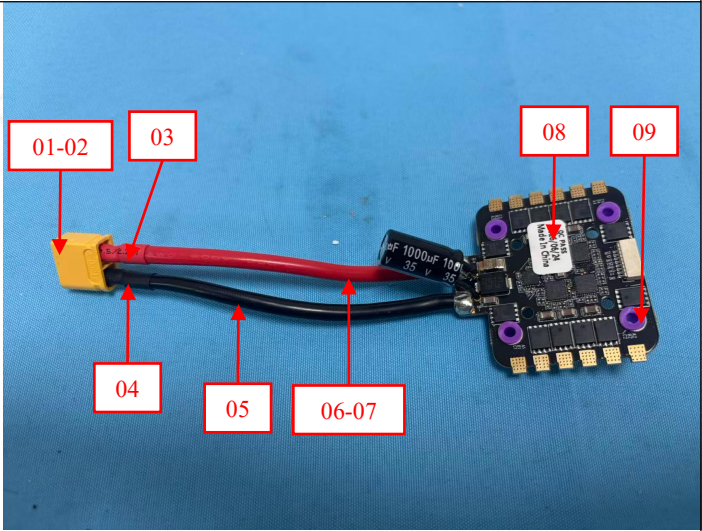
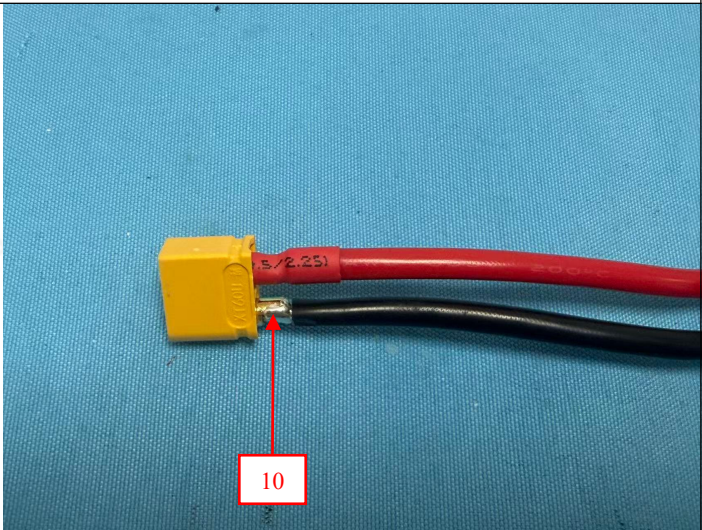
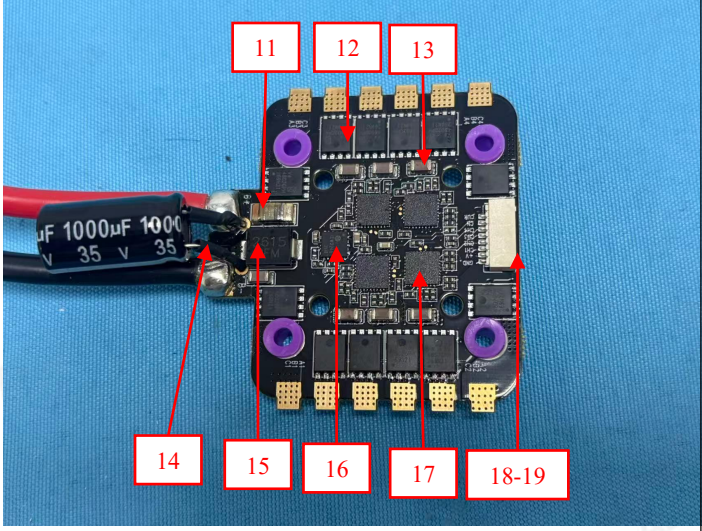
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Test Item Description And Photo List

No.	Tested Part(s)	The photo of the sample
01	Yellow plastic	
02	Copper metal	
03	Red soft plastic	
04	Black soft plastic	
05	Black wire jacket	
06	Red wire jacket	
07	Silvery metal core	
08	White label with black printing	
09	Purple silicon	
10	Silvery soldering tin	
11	Copper metal	
12	IC	
13	Chip capacitor	
14	Black soft plastic	
15	Chip diode	
16	IC	
17	IC	
18	Beige plastic	
19	Silvery metal pin	



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No.	Tested Part(s)	The photo of the sample
20	Chip inductor	
21	Chip diode	
22	Silvery soldering tin	
23	Chip resistor	
24	Chip transistor	
25	Black PCB	
26	Black plastic capacitor skin	
27	Silvery metal	
28	Black rubber	
29	Yellow paper	
30	Silvery metal pin	
31	Silvery metal foil sheet	
32	Gray metal foil sheet	
33	White plastic	
34	Silvery metal	
35	Green wire jacket	
36	Blue wire jacket	
37	Red wire jacket	
38	Black wire jacket	
39	Silvery metal core	



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Test Items and their Test Methods, Equipment:

Test Item	Test method	Equipment(s)
Screening Test	IEC 62321-3-1:2013	XRF
Lead (Pb)	IEC 62321-5:2013	ICP-OES/AAS
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES/AAS
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 (Nonmetal)	UV-VIS
	IEC 62321-7-1:2015(Metal)	UV-VIS
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenylethers(PBDEs)	IEC 62321-6:2015	GC-MS
Dibutyl Phthalate(DBP)	IEC 62321-8:2017	GC-MS
Benzyl butyl Phthalate(BBP)	IEC 62321-8:2017	GC-MS
Bis(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017	GC-MS
Diisobutyl phthalate(DIBP)	IEC 62321-8:2017	GC-MS



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Test Results:

A. XRF screening Result

No.	Tested Part(s)	Results					
		Cd	Pb	Hg	Cr▼	Br▼	
						PBBs	PBDEs
01	Yellow plastic	BL	BL	BL	BL	X	X
02	Copper metal	BL	OL	BL	BL	/	/
03	Red soft plastic	BL	BL	BL	BL	BL	BL
04	Black soft plastic	BL	BL	BL	BL	BL	BL
05	Black wire jacket	BL	BL	BL	BL	BL	BL
06	Red wire jacket	BL	BL	BL	BL	BL	BL
07	Silvery metal core	BL	BL	BL	BL	/	/
08	White label with black printing	BL	BL	BL	BL	BL	BL
09	Purple silicon	BL	BL	BL	BL	BL	BL
10	Silvery soldering tin	BL	BL	BL	BL	/	/
11	Coppery metal	BL	BL	BL	BL	/	/
12	IC	BL	BL	BL	BL	BL	BL
13	Chip capacitor	BL	BL	BL	BL	BL	BL
14	Black soft plastic	BL	BL	BL	BL	BL	BL
15	Chip diode	BL	BL	BL	BL	BL	BL
16	IC	BL	BL	BL	BL	BL	BL
17	IC	BL	BL	BL	BL	BL	BL
18	Beige plastic	BL	BL	BL	BL	BL	BL
19	Silvery metal pin	BL	BL	BL	BL	/	/
20	Chip inductor	BL	BL	BL	BL	/	/
21	Chip diode	BL	BL	BL	BL	BL	BL
22	Silvery soldering tin	BL	BL	BL	BL	/	/
23	Chip resistor	BL	BL	BL	BL	BL	BL
24	Chip transistor	BL	BL	BL	BL	BL	BL
25	Black PCB	BL	BL	BL	BL	X	X
26	Black plastic capacitor skin	BL	BL	BL	BL	BL	BL
27	Silvery metal	BL	BL	BL	BL	/	/
28	Black rubber	BL	BL	BL	BL	BL	BL
29	Yellow paper	BL	BL	BL	BL	BL	BL



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No.	Tested Part(s)	Results					
		Cd	Pb	Hg	Cr▼	Br▼	
						PBBs	PBDEs
30	Silvery metal pin	BL	BL	BL	BL	/	/
31	Silvery metal foil sheet	BL	BL	BL	BL	/	/
32	Gray metal foil sheet	BL	BL	BL	BL	/	/
33	White plastic	BL	BL	BL	BL	BL	BL
34	Silvery metal	BL	BL	BL	BL	/	/
35	Green wire jacket	BL	BL	BL	BL	BL	BL
36	Blue wire jacket	BL	BL	BL	BL	BL	BL
37	Red wire jacket	BL	BL	BL	BL	BL	BL
38	Black wire jacket	BL	BL	BL	BL	BL	BL
39	Silvery metal core	BL	BL	BL	BL	/	/

Note:

- (1) 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.

XRF screening limits for different materials:

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$
Pb	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	mg/kg	$BL \leq 300 - 3\sigma < X$	--	$BL \leq 250 - 3\sigma < X$

Note:

- BL=Below Limit
- OL=Over Limit (Screening result was over limit, thus further confirmation test was conducted.)
- X=Inconclusive(Screening result was inconclusive, thus further confirmation test was conducted.)
- /=Not Applicable
- mg/kg = milligram per kilogram = ppm

- (2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
- (3) The maximum permissible limit is quoted from the RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863.
- (4) ▼=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 diphenyl ethers (PBDEs)	1000
Dibutyl Phthalate (DBP)	1000
Benzyl butyl Phthalate (BBP)	1000
Bis(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.



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B. Result of Wet Chemical Testing

1) The test results of Lead (Pb)

Test Item	Unit	MDL	Results	Limit
			02#	
Lead (Pb)	mg/kg	10	15313	1000

Note:

- MDL = Method Detection Limit
 - mg/kg = milligram per kilogram = ppm
 - N.D.=Not Detected (<MDL or LOQ)
- # The tested part(s) <02> 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) and Directive (EU) 2025/2364

2) The test results of DBP, BBP, DEHP & DIBP

Test Items	CAS No.	Unit	MDL	Results		Limit
				01+18+25	03	
Dibutyl Phthalate (DBP)	84-74-2	mg/kg	50	N.D.	N.D.	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg	50	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	50	N.D.	N.D.	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	N.D.	N.D.	1000

Test Items	CAS No.	Unit	MDL	Results		Limit
				04	05+06+09	
Dibutyl Phthalate (DBP)	84-74-2	mg/kg	50	N.D.	N.D.	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg	50	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	50	N.D.	N.D.	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	N.D.	N.D.	1000

Test Items	CAS No.	Unit	MDL	Results		Limit
				14	26+33	
Dibutyl Phthalate (DBP)	84-74-2	mg/kg	50	N.D.	N.D.	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg	50	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	50	N.D.	N.D.	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	N.D.	N.D.	1000



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Test Items	CAS No.	Unit	MDL	Results		Limit
				35+36	37+38	
Dibutyl Phthalate (DBP)	84-74-2	mg/kg	50	N.D.	N.D.	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg	50	N.D.	N.D.	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	50	N.D.	N.D.	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	50	N.D.	N.D.	1000

Remark:

- mg/kg = milligram per kilogram = ppm
- N.D. = Not detected
- MDL= Method detected limited



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3) The test results of PBBs & PBDEs

Test Items	Unit	MDL	Results		Limit
			01	25	
Polybrominated Biphenyls (PBBs)					
Monobromobiphenyl	mg/kg	50	N.D.	N.D.	/
Dibromobiphenyl	mg/kg	50	N.D.	N.D.	/
Tribromobiphenyl	mg/kg	50	N.D.	N.D.	/
Tetrabromobiphenyl	mg/kg	50	N.D.	N.D.	/
Pentabromobiphenyl	mg/kg	50	N.D.	N.D.	/
Hexabromobiphenyl	mg/kg	50	N.D.	N.D.	/
Heptabromobiphenyl	mg/kg	50	N.D.	N.D.	/
Octabromobiphenyl	mg/kg	50	N.D.	N.D.	/
Nonabromodiphenyl	mg/kg	50	N.D.	N.D.	/
Decabromodiphenyl	mg/kg	50	N.D.	N.D.	/
Total content	mg/kg	/	N.D.	N.D.	1000
Polybrominated Diphenyl ethers (PBDEs)					
Monobromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Dibromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Tribromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Tetrabromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Pentabromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Hexabromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Heptabromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Octabromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Nonabromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Decabromodiphenyl ether	mg/kg	50	N.D.	N.D.	/
Total content	mg/kg	/	N.D.	N.D.	1000

Remark:

- mg/kg = milligram per kilogram = ppm
- N.D. = Not detected
- MDL= Method detected limited
- The samples were mixed for phthalic acid test
- The tested part(s) <03, 04> were provided by client for retest on August 06, 2026.
- The tested part(s) <14> was provided by client for raw material testing on August 06, 2026.
- Tested part(s) was/were specified by client
- Flow chart appendix is included
- Photo appendix is included

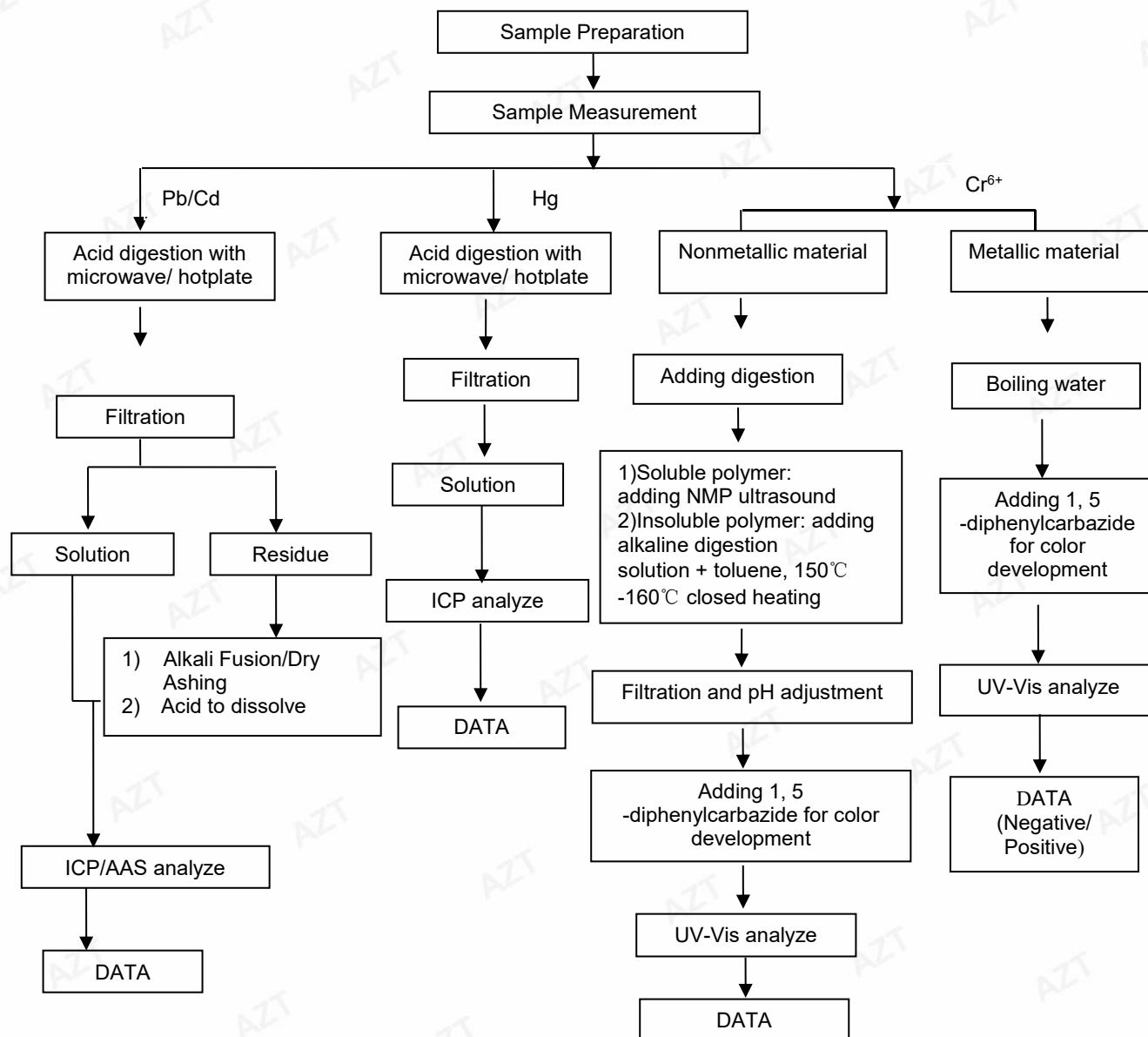


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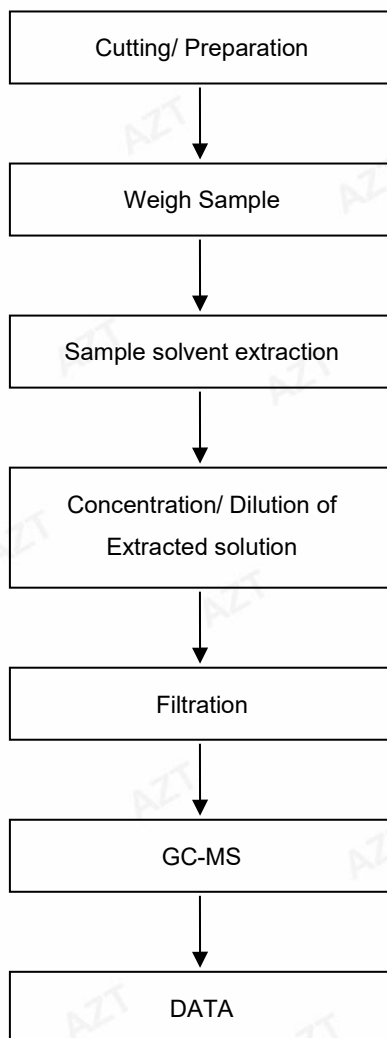
Appendix

Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart





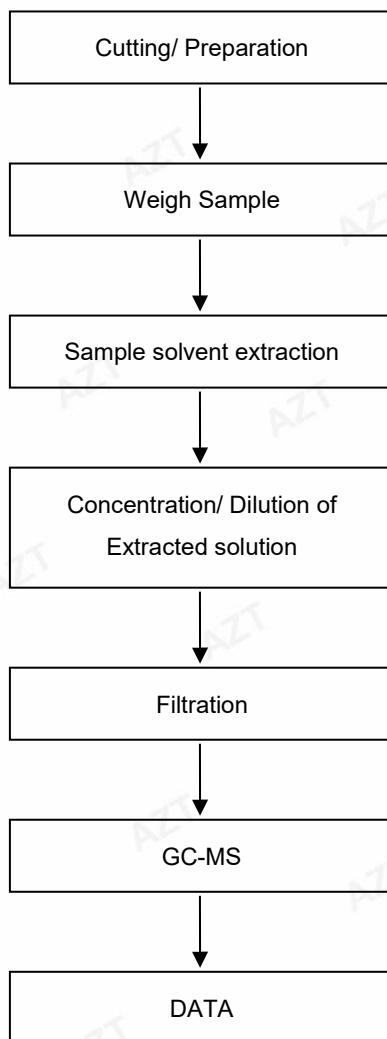
PBBs/PBDEs Testing Flow Chart





TEST REPORT

Phthalates Testing Flow Chart





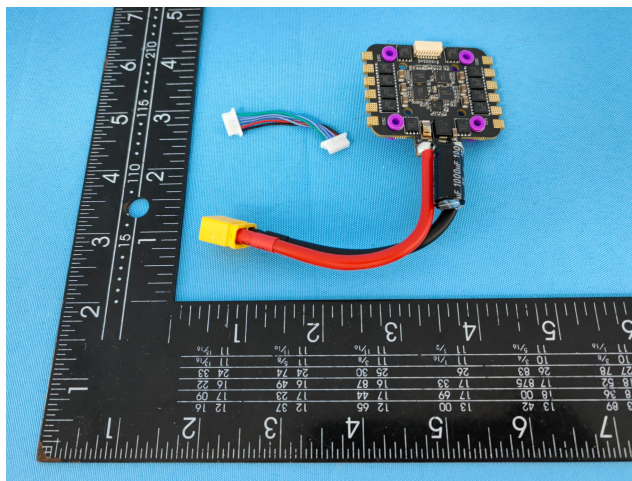
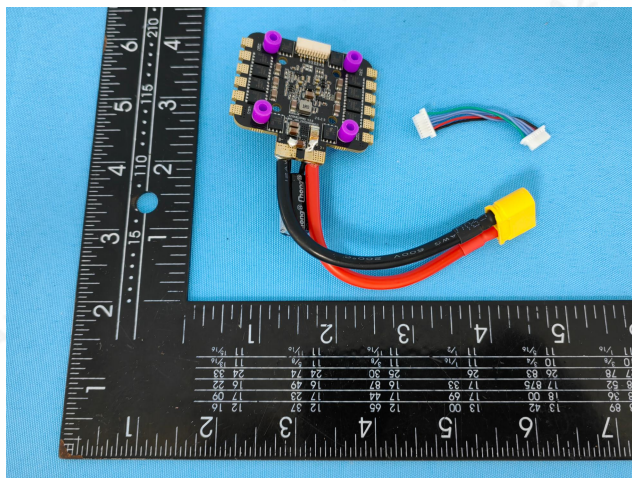
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The photo of the sample



AZT authenticate the photo on original report only

Statement:

1. This test report is invalid without the signature of the approver and the special seal of the company's report.
2. The copy of the test report is invalid if the "Special Seal for Inspection and Testing" or "Special Seal for testing" or the official seal of the testing unit is not re-stamped.
3. After the test report is altered, the test report is invalid.
4. If there is any objection to the test report, please submit written comments to the laboratory within 15 days from the date of receipt of the report.
5. This test is only responsible for samples provided by customers.
6. This report shall not be reproduced in whole or in part without the written authorization of the Company.
7. The laboratory is not responsible for sampling, all samples are provided by customers.
8. The test results in this test report are only related to the samples provided by the customer.
9. If the report is not stamped with the qualification mark, it is only used for scientific research, teaching, internal quality control and other activities, and does not have a proof role for the society.

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