



中国认可
国际互认
检测
TESTING
CNAS L16762

TEST REPORT

Applicant: SDAPO Communication Co., Ltd.
Address: 5F, W2, Chengxin Building, Tian An Shen Chuang Valley Industrial Center, Fenggang Town, Dongguan City, Guangdong Province, China

The following sample(s) and information was/were provided by the client. Dinghua does not assume any responsibility for verifying the accuracy, appropriateness, and/or completeness of the information provided.

Manufacturer: SDAPO Communication Co., Ltd.
Address: 5F, W2, Chengxin Building, Tian An Shen Chuang Valley Industrial Center, Fenggang Town, Dongguan City, Guangdong Province, China
Production plant: SDAPO Communication Co., Ltd.
Address: 5F, W2, Chengxin Building, Tian An Shen Chuang Valley Industrial Center, Fenggang Town, Dongguan City, Guangdong Province, China
Sample name: POE splitter
Sample Condition: Intact
Model /Type: PS5712TG, TYPEC0502, PS0502, PS0502-25, USB0502, TYPEC0503, PS0503, PS0503-25, USB0503, PS5712P(3 types), PS5712AT, PS5712AT-25, PS5712AT V2.1, PS5712AT V2.1-25, PS5724AT, PS5724AT-25, PS0502G, PS0502G-25, TYPEC0502G, USB0502G, PS5712G, PS5712G-25, TYPEC5712G, PS5712TG, TYPEC5712TG, PS5712TG-25, PS5712TG-3P, PS5724TG, PS5712BG, PS5712BG-25, TYPEC5712BG, TYPEC0503G, PS0503G, PS0503G-25, USB0503G, TYPEC0504G, PS0504G, PS0504G-25, USB0504G, FS5712B, FS5712W, PS5724AT-RJ, PS5724TG-RJ, PS0504G(metal shell), PS1248G, PS1260G, PS1224G, PS0523G, PS0515G, PS2424G
Sample Receiving Date: May. 27, 2025
Testing Period: May. 27, 2025 ~ Jun. 06, 2025
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
EU RoHS Directive(EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
Note: The judgment rule complies with the simple binary judgment rule	

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE (S) *****

Ding Hua International Certification(Shenzhen) Co., Ltd.

Signature of Authorized Representative



WJ

Authorized signatory

1. Tested components

No.	Sample Description	REMARK
1	Black Plastic Shell	SEE THE PHOTO
2	Silver Plastic Label Sticker	SEE THE PHOTO
3	Silver Metal Case	SEE THE PHOTO
4	Internal Black Plastic	SEE THE PHOTO
5	Black Plastic Case	SEE THE PHOTO
6	Yellow Adhesive Tape	SEE THE PHOTO
7	Black Square Magnetic Ring	SEE THE PHOTO
8	Transformer Copper Winding	SEE THE PHOTO
9	Patch Capacitors	SEE THE PHOTO
10	Terminal Beige Plastic	SEE THE PHOTO
11	PCB	SEE THE PHOTO
12	Patch Diode	SEE THE PHOTO
13	Patch Resistor	SEE THE PHOTO
14	Black Ceramic MOS Pipe	SEE THE PHOTO
15	Black Ceramic Body Chip	SEE THE PHOTO
16	Solder Point	SEE THE PHOTO
17	Orange Plastic Wire Skin	SEE THE PHOTO
18	Orange White Plastic Wire Skin	SEE THE PHOTO
19	Green Plastic Wire Skin	SEE THE PHOTO
20	Green White Plastic Wire Skin	SEE THE PHOTO
21	Blue Plastic Wire Skin	SEE THE PHOTO
22	Blue White Plastic Wire Skin	SEE THE PHOTO
23	Brown Plastic Wire Skin	SEE THE PHOTO
24	Brown White Plastic Wire Skin	SEE THE PHOTO
25	Black Plastic Fasteners	SEE THE PHOTO
26	Black Plastic Wire Outer Skin	SEE THE PHOTO
27	Black Plastic Head	SEE THE PHOTO
28	Transparent Plastic Case	SEE THE PHOTO
29	Golden Metal Needle	SEE THE PHOTO

30	Black Plastic Case	SEE THE PHOTO
31	Black Plastic Wire Outer Skin	SEE THE PHOTO
32	Black Plastic Wire Skin	SEE THE PHOTO
33	Red Plastic Wire Skin	SEE THE PHOTO
34	Yellow Plastic Plugin	SEE THE PHOTO
35	Silver Metal Case	SEE THE PHOTO
36	Solder Point	SEE THE PHOTO

2. Tested results

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
1	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
2	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
3	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	---	---	---	
	PBDEs	---	---	---	
	DBP	---	---	---	
	BBP	---	---	---	
	DEHP	---	---	---	
DIBP	---	---	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
4	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
5	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
6	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
7	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
8	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	---	---	---	
	PBDEs	---	---	---	
	DBP	---	---	---	
	BBP	---	---	---	
	DEHP	---	---	---	
DIBP	---	---	---		
9	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
10	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
11	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	IN	---	ND	
	PBDEs	IN	---	ND	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
12	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
13	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
14	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
15	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
16	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	---	---	---	
	PBDEs	---	---	---	
	DBP	---	---	---	
	BBP	---	---	---	
	DEHP	---	---	---	
DIBP	---	---	---		
17	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
	DIBP	---	BL	---	
18	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
	DIBP	---	BL	---	

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
19	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
20	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
21	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
22	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
23	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
24	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
25	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	--	
	PBDEs	BL	---	--	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
26	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
27	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
28	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
29	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	---	---	---	
	PBDEs	---	---	---	
	DBP	---	---	---	
	BBP	---	---	---	
	DEHP	---	---	---	
DIBP	---	---	---		
30	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
31	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
32	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
33	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		

Part No	Test Item	Results of EDXRF	Screening Result of PHTH	Result of Wet Chemical Testing (mg/kg)	Conclusion
34	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	BL	---	---	
	PBDEs	BL	---	---	
	DBP	---	BL	---	
	BBP	---	BL	---	
	DEHP	---	BL	---	
DIBP	---	BL	---		
35	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	---	---	---	
	PBDEs	---	---	---	
	DBP	---	---	---	
	BBP	---	---	---	
	DEHP	---	---	---	
DIBP	---	---	---		
36	Cd	BL	---	---	PASS
	Pb	BL	---	---	
	Hg	BL	---	---	
	Cr(VI)	BL	---	---	
	PBBs	---	---	---	
	PBDEs	---	---	---	
	DBP	---	---	---	
	BBP	---	---	---	
	DEHP	---	---	---	
DIBP	---	---	---		

Note:

BL = Below Limit

--- = No Testing Required

mg/kg = milligram per kilogram

IN = Inconclusive

ND = Not Detected (lower than MDL)

Remark:

1. (a) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There is the result on total Cr while test item on restricted substances is Cr(VI).
- (b) Results are obtained by EDXRF 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	Unit	Polymer	Metal	Composite Material
Cd	mg/kg	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$LOD < IN < (150+3\sigma) \leq OL$
Pb	mg/kg	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Hg	mg/kg	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Br	mg/kg	$BL \leq (300-3\sigma) < IN$	--	$BL \leq (250-3\sigma) < IN$
Cr	mg/kg	$BL \leq (700-3\sigma) < IN$	$BL \leq (700-3\sigma) < IN$	$BL \leq (500-3\sigma) < IN$

BL = Below Limit

OL = Over Limit

IN = Inconclusive

LOD = Limit of Detection

mg/kg=ppm= milligram per kilogram

- (c) Screening results of PHTH are for hybrid test by GC-MS, and further chemical testing by GC-MS (for DBP, BBP, DEHP and DIBP) are recommended to be performed if the concentration exceeds the below warning value (unit: mg/kg).

Compound	Polymer
DBP	$BL \leq 600 < IN$
BBP	$BL \leq 600 < IN$
DEHP	$BL \leq 600 < IN$
DIBP	$BL \leq 600 < IN$

mg/kg = milligram per kilogram

1% = 10000 mg/kg = 10000 ppm

2. Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC62321-5:2013	ICP-OES
Cadmium (Cd)	IEC62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES
Hexavalent chromium (Cr(VI)) for plastic	IEC62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Hexavalent chromium (Cr(VI)) for coating on metals	IEC62321-7-1:2015 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC62321-8:2017	GC-MS

3. RoHS Requirement

Unit:mg/kg

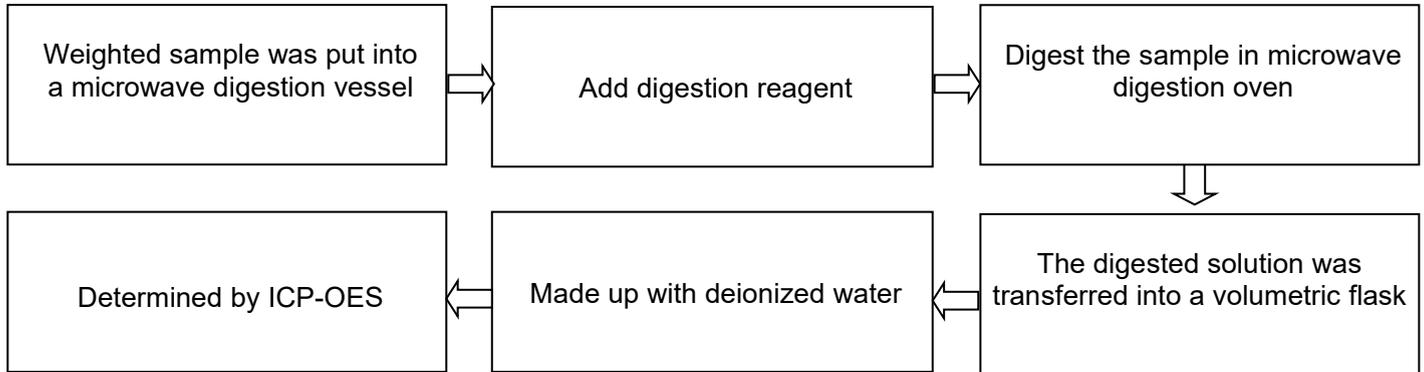
Restricted substances	Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	BBP	DBP	DEHP	DIBP
MDL	10	10	10	--	100	100	100	100	100	100
RoHS limit	100	1000	1000	1000	1000	1000	1000	1000	1000	1000

MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg.

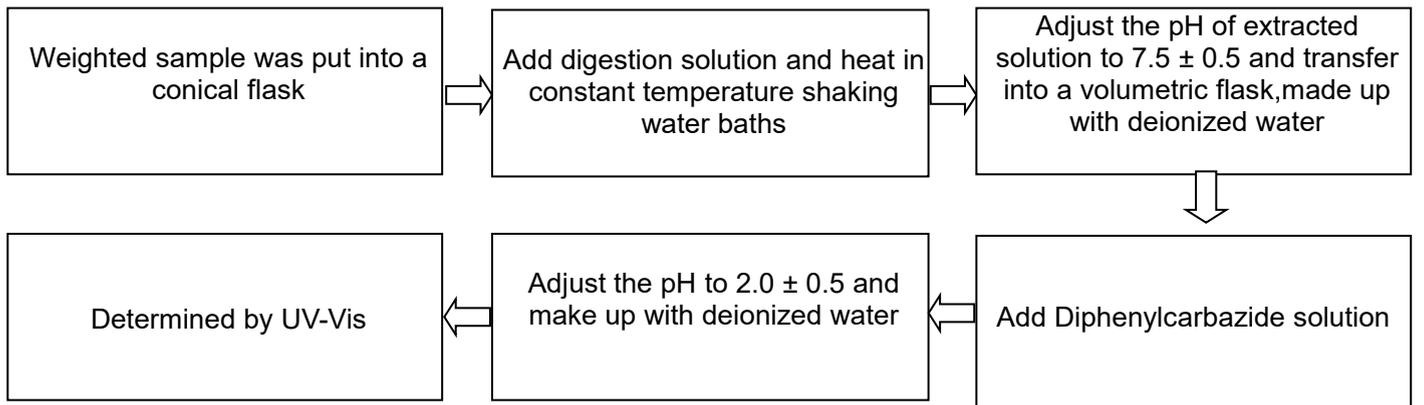
MDL of Cr(VI) for metal sample is 0.10 μ g/cm²

4. Measurement Flowchart

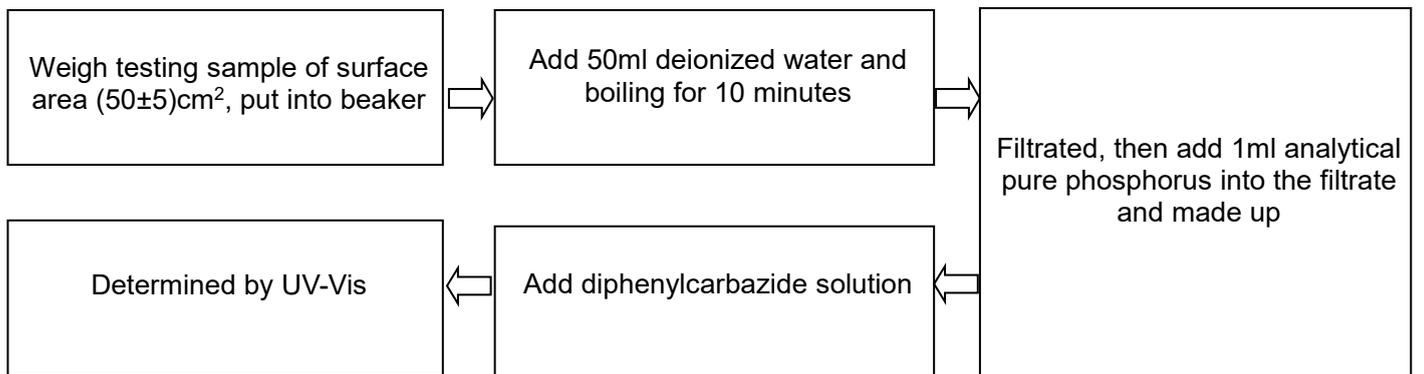
a. Test for Cd / Pb /Hg contents)



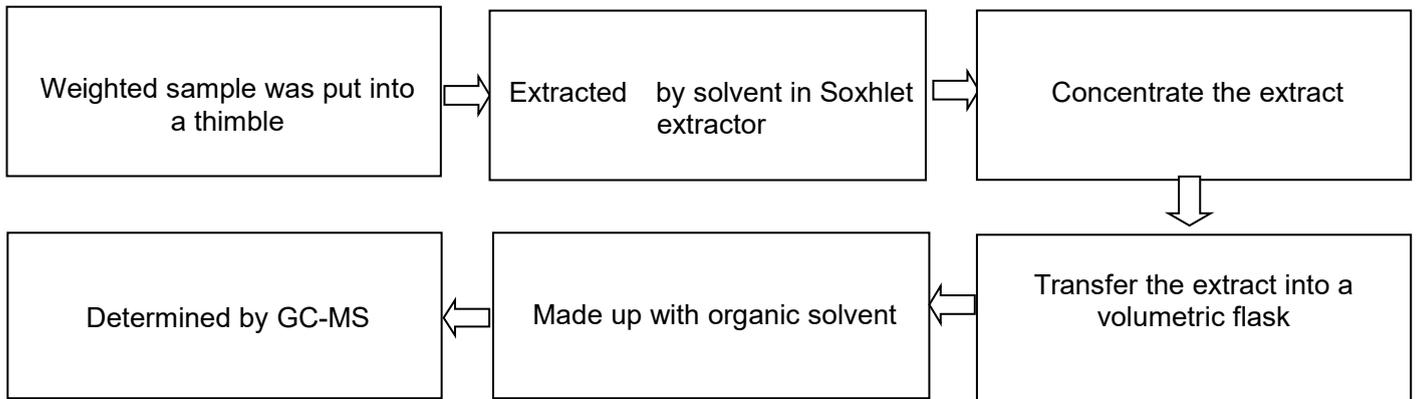
b. Test for Cr(VI) content (for non-metal)



c. Test for Cr(VI) content (for metal)

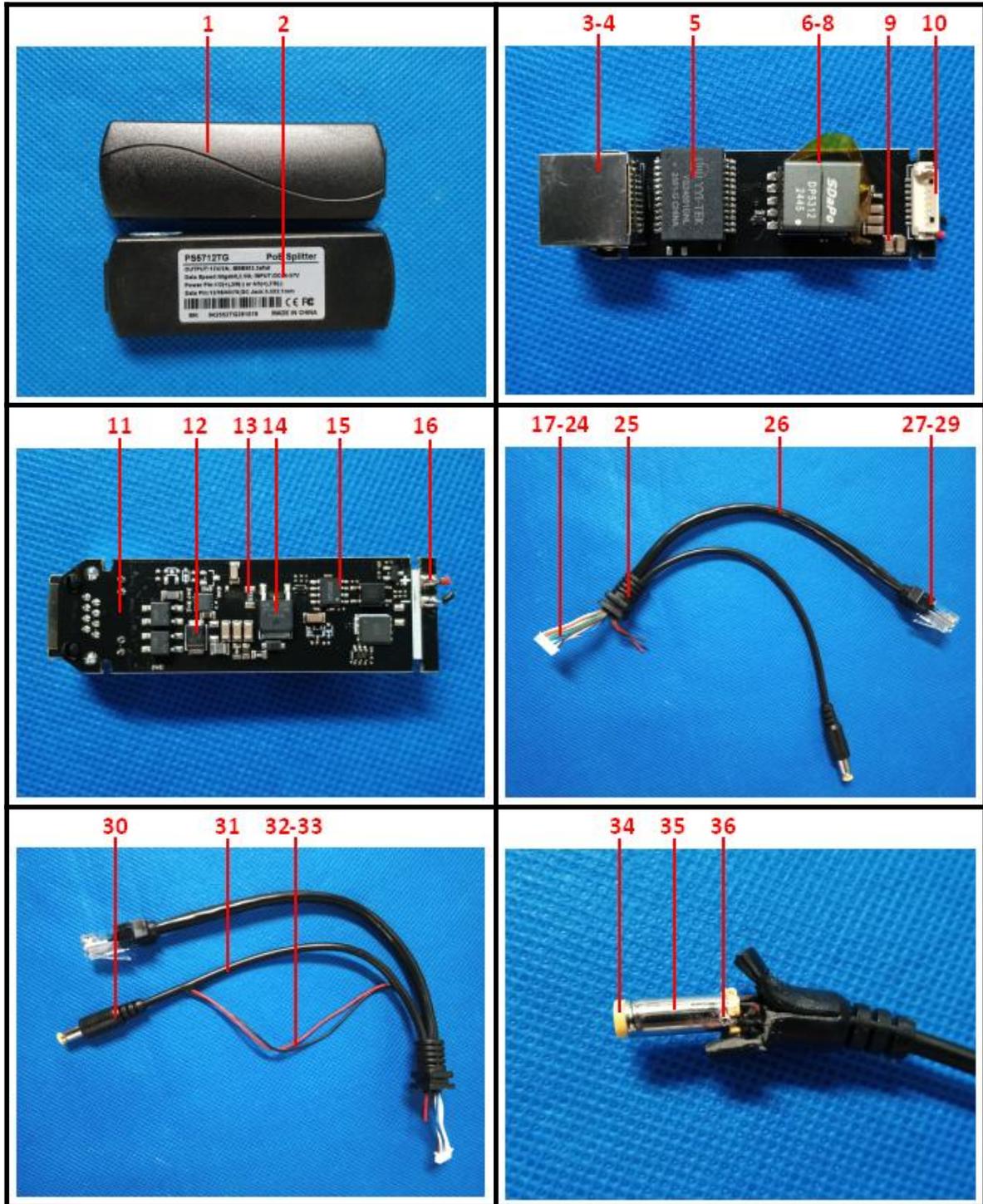


d. Test for PBBs, PBDEs, DBP, BBP, DEHP, DIBP



5. Photo(s) of the sample(s)





The results of this report apply only to samples received, Without written authorization, any copy of this report for propaganda is invalid.

.....End of Report.....