Test Report

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Company Name shown on Report	UF CAPACITORS FACTORY CO.,LTD
Address	FACTORY BUILDING NO.22, CHANGPING JEWELRY INDUSTRIAL PARK, CHANGPING, DONGGUAN,GUANGDONG,CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name(s)	Film Capacitor（Coating Series）
Sample Received Date	Jul. 17, 2025
Testing Period	Jul. 17, 2025 to Jul. 21, 2025

Test Requested	As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).
Test Method/Test Result(s)	Please refer to the following page(s).

Approved by: Helen Liu Date: Jul. 21, 2025

Helen Liu
Lab Authorized Signatory

No. R158921457

Centre Testing International Group Co.,Ltd.
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Test Report

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Conclusion

Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	PASS

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PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

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Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-12:2023	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-12:2023	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-12:2023	GC-MS

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Test Result(s)

Tested Item(s)	Result			MDL	Limit
	015	016	017		
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	--	8 mg/kg	1000 mg/kg
	--	--	N.D.▼	0.10 μg/cm² (LOQ)	1000 mg/kg

Tested Item(s)	Result		MDL	Limit
	015	016		
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	N.D.	N.D.	25 mg/kg	1000 mg/kg
Dibromobiphenyl	N.D.	N.D.	25 mg/kg	
Tribromobiphenyl	N.D.	N.D.	25 mg/kg	
Tetrabromobiphenyl	N.D.	N.D.	25 mg/kg	
Pentabromobiphenyl	N.D.	N.D.	25 mg/kg	
Hexabromobiphenyl	N.D.	N.D.	25 mg/kg	
Heptabromobiphenyl	N.D.	N.D.	25 mg/kg	
Octabromobiphenyl	N.D.	N.D.	25 mg/kg	
Nonabromobiphenyl	N.D.	N.D.	25 mg/kg	
Decabromobiphenyl	N.D.	N.D.	25 mg/kg	

Tested Item(s)	Result		MDL	Limit
	015	016		
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	25 mg/kg	1000 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Hexabromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Heptabromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	25 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	25 mg/kg	

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Tested Item(s)	Result		MDL	Limit
	015	016		
Phthalates (DBP, BBP, DEHP, DIBP)				
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg	1000 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	015	Red solid with yellow printing
2	016	Silvery grey film
3	017	Metal pin with silvery plating

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL or LOQ)

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

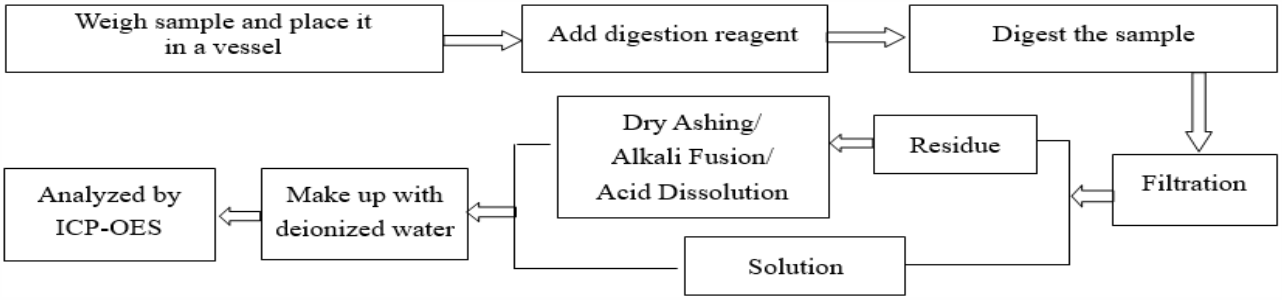
-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm^2

-▼The sample is negative for Cr(VI) − The Cr(VI) concentration is below 0.10 μg/cm^2. The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

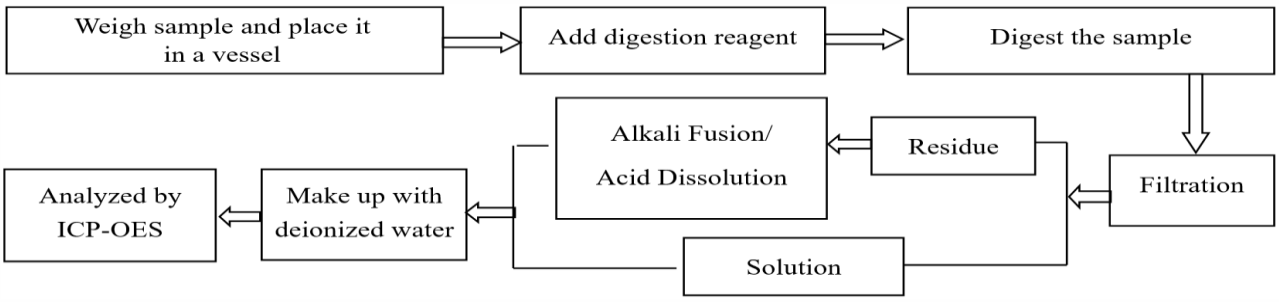
-According to the client's statement, the Company Name shown on Report in this report and the Company Name shown on Report in the report A225050867010106E are the buyer-supplier relations, the test result(s) of this report is/are presented in reference to the result(s) that reported in A225050867010106E.

Test Process

1. Lead (Pb), Cadmium (Cd), Chromium(Cr)

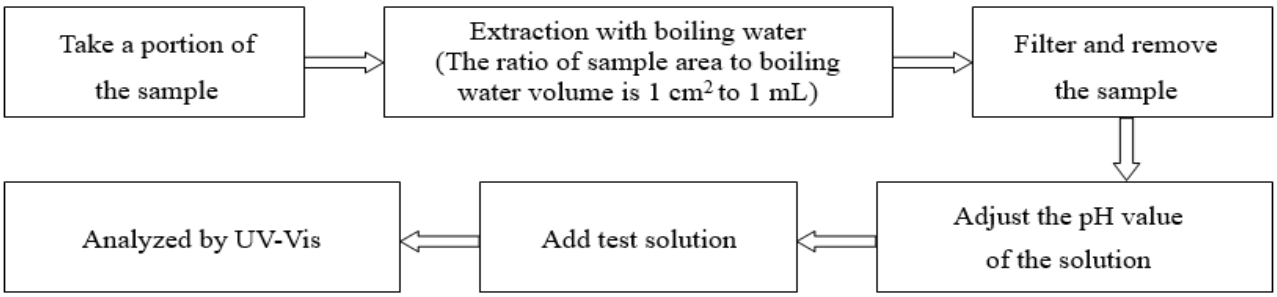


2. Mercury (Hg)

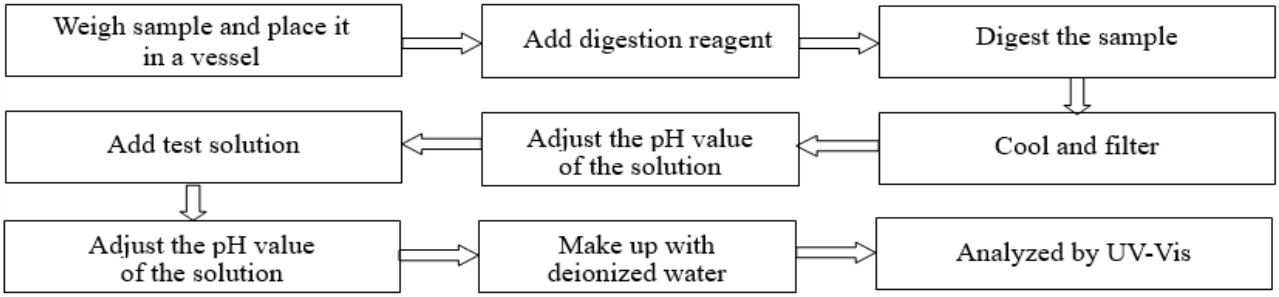


3. Hexavalent Chromium (Cr(VI))

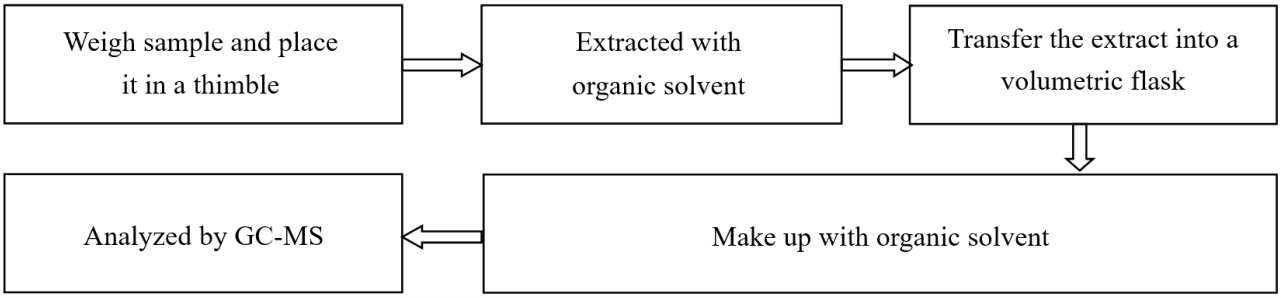
(1) IEC 62321-7-1:2015



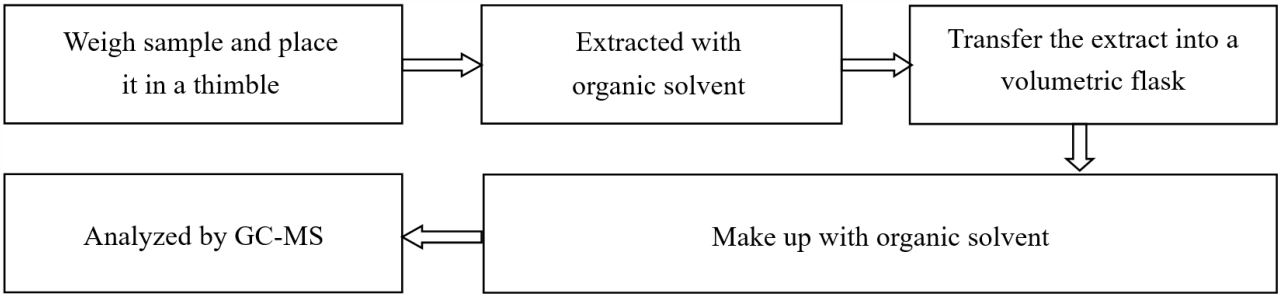
(2) IEC 62321-7-2:2017



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



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



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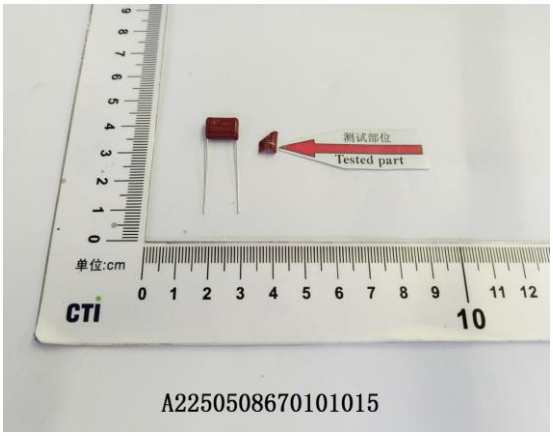
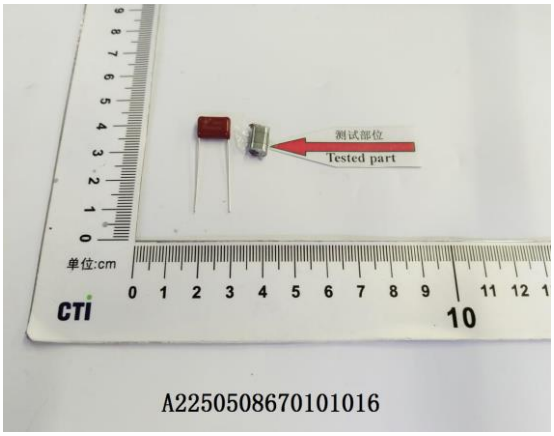
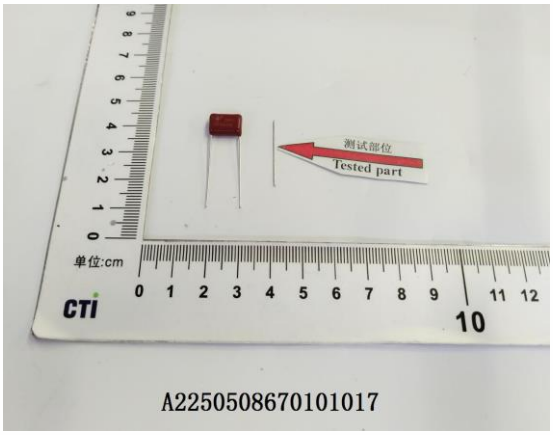
Photo(s) of the sample(s)







Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***