

Test Report

Report No. ECL02J005614

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Applicant SUZHOU CHUANGJI ELECTRONICS CO LTD

Address NO.588 BINHE ROAD HIGH TECH ZONE SUZHOU

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

Sample Name capacitor

Client Reference Information Y1 Y2 安规电容; 瓷片电容 CT81 CT4; 低压、中压、高压瓷片电容

Sample Received Date Oct. 27, 2017

Testing Period Oct. 27, 2017 to Nov. 1, 2017

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) the submitted sample(s).

Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
Hexavalent Chromium(Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013 Ed.1.0	UV-Vis/ICP-OES
	IEC 62321-7-1:2015	UV-Vis
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS

Test Result(s) Please refer to the following page(s).

Tested by

Zhang Tuan yuan

Reviewed by

Luxiaoyan

Approved by

Song Yan

Date

Nov. 1, 2017

Song Yan

Technical Manager

Centre Testing International (Suzhou) CO.,LTD

No. R203821478

No.3286, Chengyang Road, Xiangcheng District, Suzhou, Jiangsu

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Test Result(s)

Tested Item(s)	Result		MDL
	1	2	
Lead(Pb)	N.D.	N.D.	2 mg/kg
Cadmium(Cd)	N.D.	N.D.	2 mg/kg
Mercury(Hg)	N.D.	N.D.	2 mg/kg
Hexavalent Chromium(Cr(VI))	N.D.	—	8 mg/kg
	—	N.D.▼	0.10µg/cm ² (LOQ)
Polybrominated Biphenyls(PBBs)			
Monobromobiphenyl	N.D.	—	5 mg/kg
Dibromobiphenyl	N.D.	—	5 mg/kg
Tribromobiphenyl	N.D.	—	5 mg/kg
Tetrabromobiphenyl	N.D.	—	5 mg/kg
Pentabromobiphenyl	N.D.	—	5 mg/kg
Hexabromobiphenyl	N.D.	—	5 mg/kg
Heptabromobiphenyl	N.D.	—	5 mg/kg
Octabromobiphenyl	N.D.	—	5 mg/kg
Nonabromobiphenyl	N.D.	—	5 mg/kg
Decabromobiphenyl	N.D.	—	5 mg/kg
Polybrominated Diphenyl Ethers(PBDEs)			
Monobromodiphenyl ether	N.D.	—	5 mg/kg
Dibromodiphenyl ether	N.D.	—	5 mg/kg
Tribromodiphenyl ether	N.D.	—	5 mg/kg
Tetrabromodiphenyl ether	N.D.	—	5 mg/kg
Pentabromodiphenyl ether	N.D.	—	5 mg/kg
Hexabromodiphenyl ether	N.D.	—	5 mg/kg
Heptabromodiphenyl ether	N.D.	—	5 mg/kg
Octabromodiphenyl ether	N.D.	—	5 mg/kg
Nonabromodiphenyl ether	N.D.	—	5 mg/kg
Decabromodiphenyl ether	N.D.	—	5 mg/kg

Tested Sample/Part Description

1. Blue body
2. Silvery metal

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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

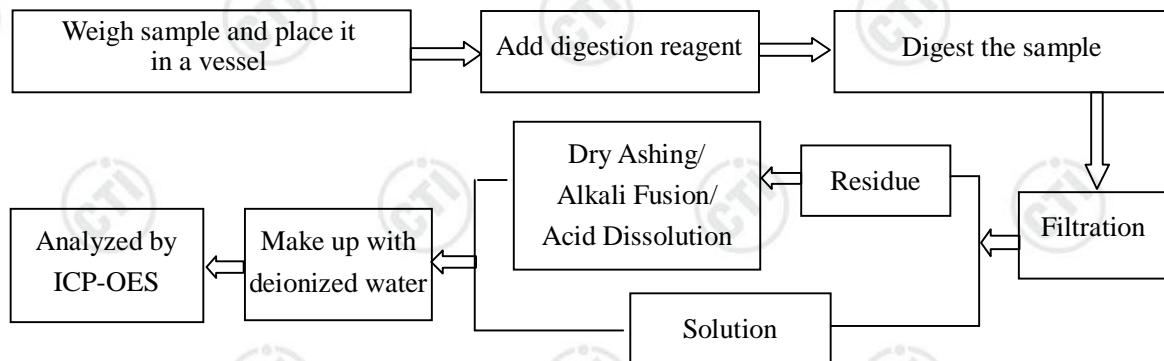
-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 $\mu\text{g}/\text{cm}^2$

-▼ The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10 $\mu\text{g}/\text{cm}^2$.

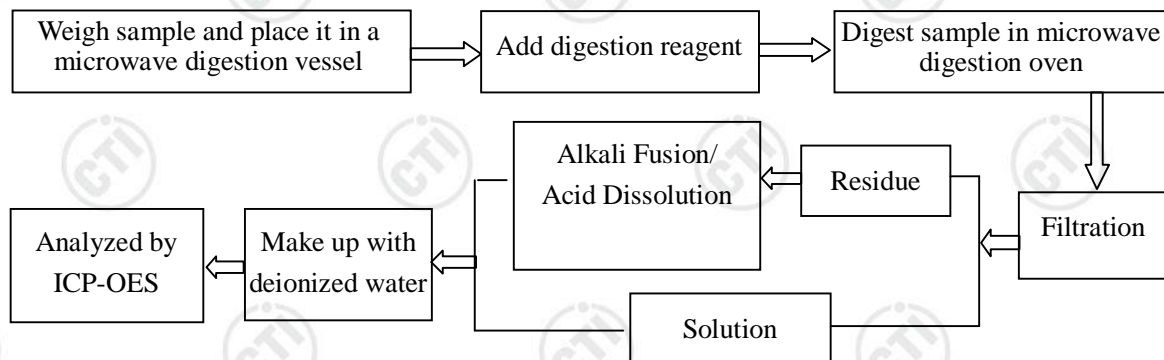
The coating is considered a non-Cr(VI) based coating.

Test Process

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



2. Mercury(Hg)



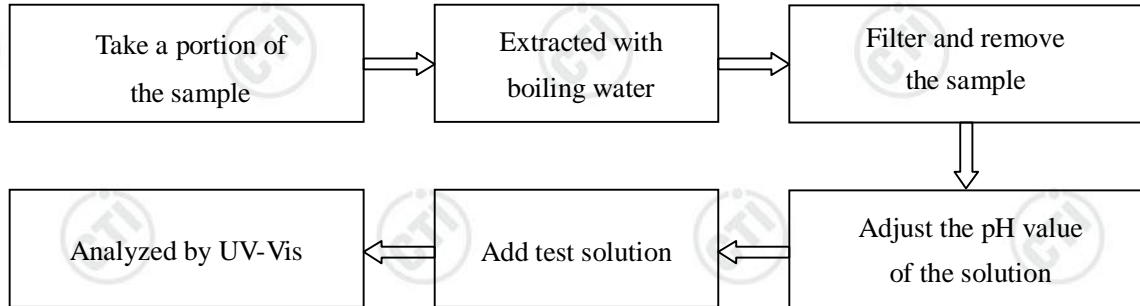
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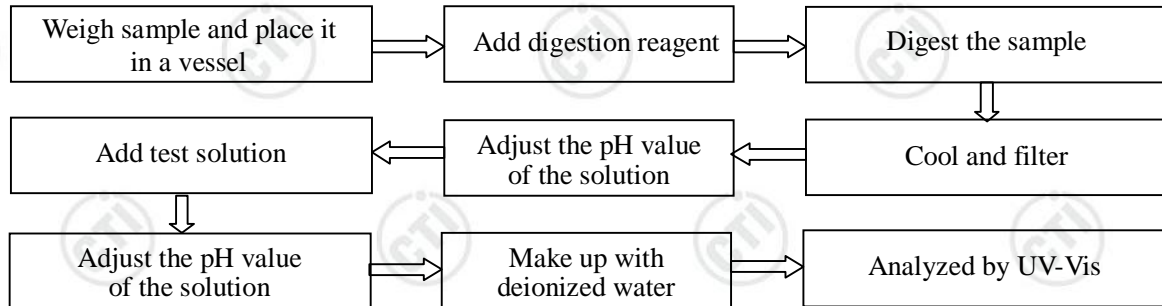
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3. Hexavalent Chromium (Cr(VI))

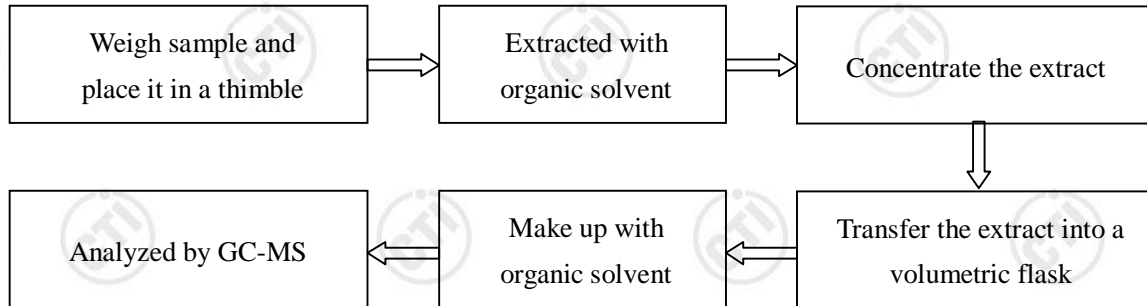
(1) IEC 62321-7-1:2015



(2) IEC 62321-7-2:2017



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

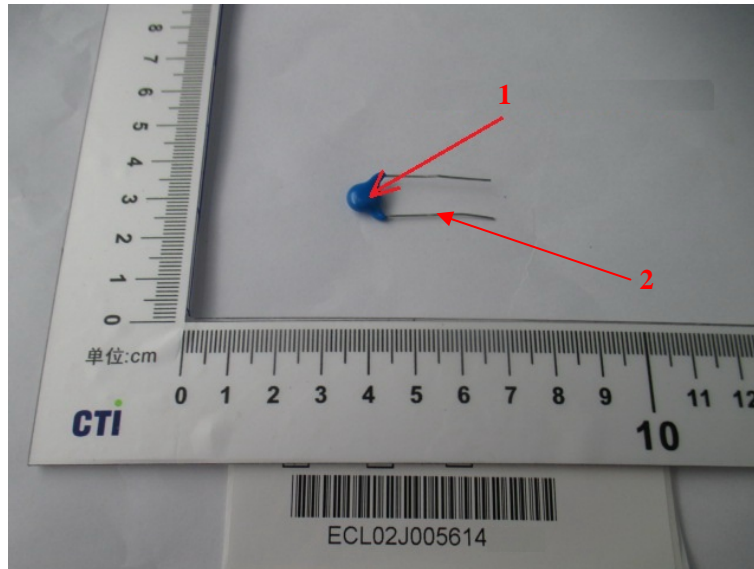


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Photo(s) of the sample(s)



*** End of Report ***

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