

# Test Report

**Report No.** ECL01J072676011

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**Applicant** CYG WAYON CIRCUIT PROTECTION CO.,LTD

**Address** 1001 SHIWAN 7TH ROAD, SHANGHAI, 201207 P.R. CHINA

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

**Sample Name** Tin plating  
**Sample Received Date** Nov. 20, 2017  
**Testing Period** Nov. 20, 2017 to Nov. 28, 2017

**Test Requested** As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Antimony(Sb), Beryllium(Be) in the submitted sample(s).

## Test Method

Test 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 62321-7-1:2015	UV-Vis
Antimony(Sb)	Refer to US EPA 3050B:1996 & US EPA 6010D:2014	ICP-OES
Beryllium(Be)	Refer to US EPA 3050B:1996 & US EPA 6010D:2014	ICP-OES

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

Tested by

*Liu Jie*  
*Su Hongwei*

Approved by

Su Hongwei

Senior Laboratory Manager

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

Reviewed by

*Taoying*

Date

Nov. 28, 2017

No. R131279013

No.1996,Xinjinqiao Road, Pudong New District,Shanghai,China

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## Test Result(s)

Tested Item(s)	Result	MDL
Lead (Pb)	65 mg/kg	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury (Hg)	N.D.	2 mg/kg
Hexavalent Chromium(Cr(VI))	N.D. ▼	0.10 µg/cm <sup>2</sup> (LOQ)

Tested Item(s)	Result	MDL
Antimony(Sb)	N.D.	5 mg/kg
Beryllium(Be)	N.D.	10 mg/kg

Tested Sample/Part Description Silvery metal

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

- 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 µg/cm<sup>2</sup>
- ▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10 µg/cm<sup>2</sup>. The coating is considered a non-Cr(VI) based coating.

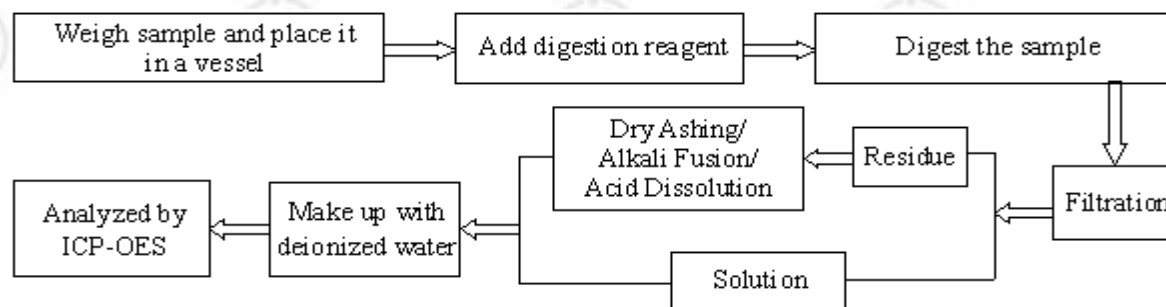
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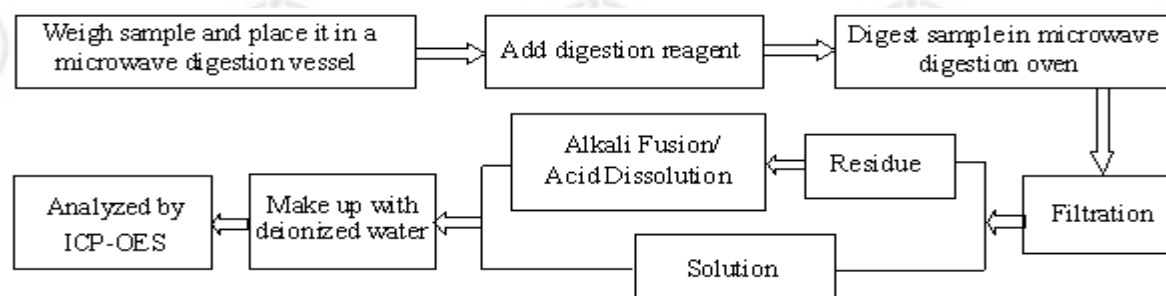
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## Test Process

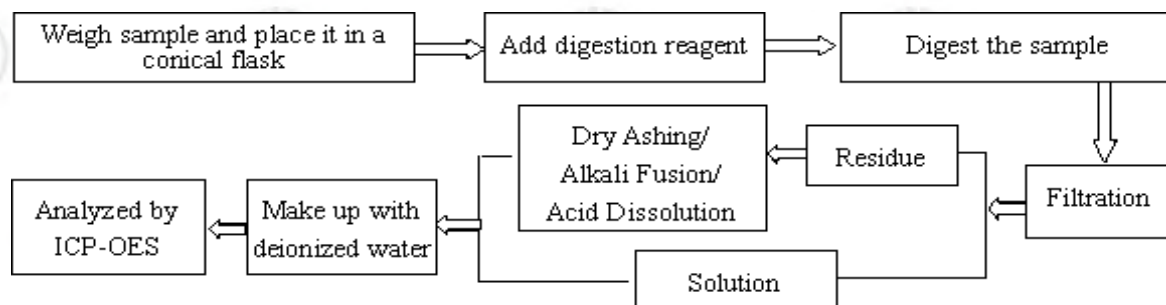
### 1. Lead (Pb), Cadmium (Cd)



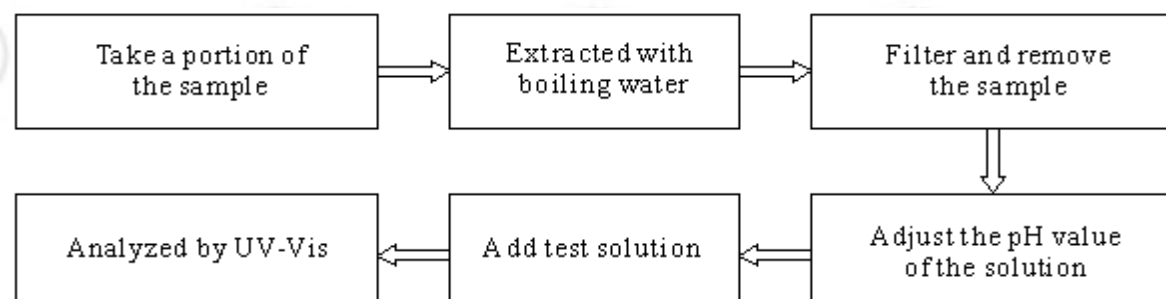
### 2. Mercury (Hg)



### 3. Antimony(Sb), Beryllium(Be)



### 4. Hexavalent Chromium(Cr(VI))



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## Photo(s) of the sample(s)



\*\*\* End of report \*\*\*

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