

Test Report

Report No. ECL01J072676022

Page 1 of 4

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 Tinned copper clad steel wire
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

Approved by

Su Hongwei

Su Hongwei

Senior Laboratory Manager

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

Reviewed by

Taoying

Date

Nov. 28, 2017

No. R131279013

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

Test Report

Report No. ECL01J072676022

Page 2 of 4

Test Result(s)

Tested Item(s)	Result	MDL
Lead (Pb)	N.D.	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 ² (LOQ)

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

Tested Sample/Part Description Metal wire with silvery plating

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/cm²
- ▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10 µg/cm².

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

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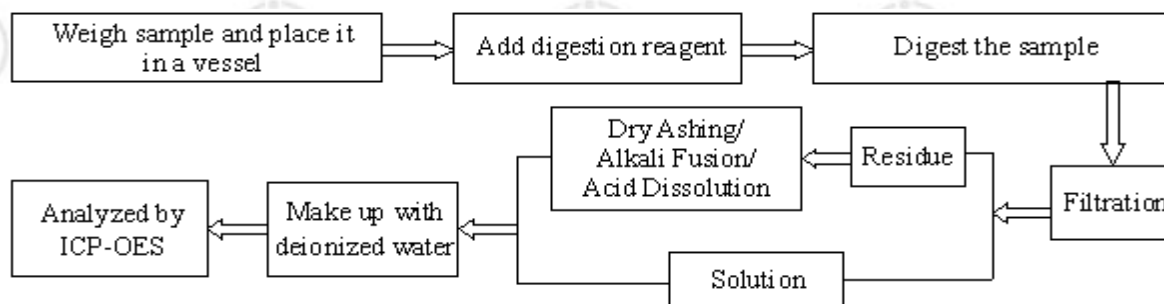
Test Report

Report No. ECL01J072676022

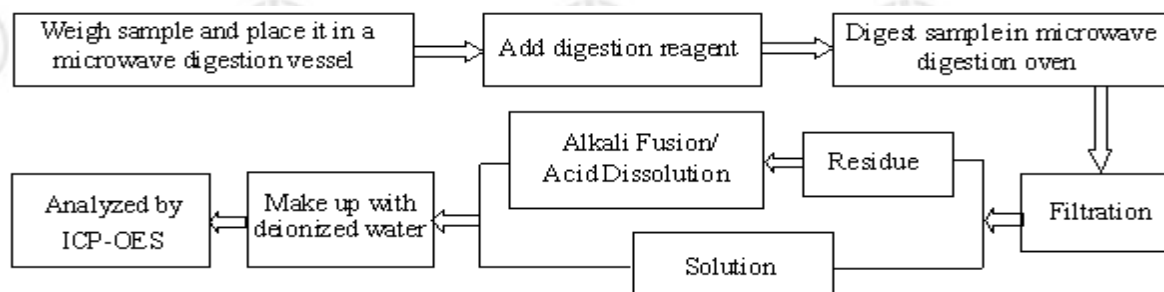
Page 3 of 4

Test Process

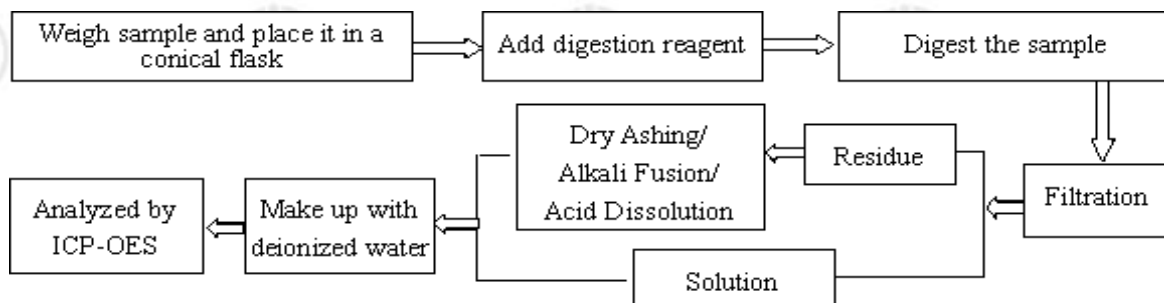
1. Lead (Pb), Cadmium (Cd)



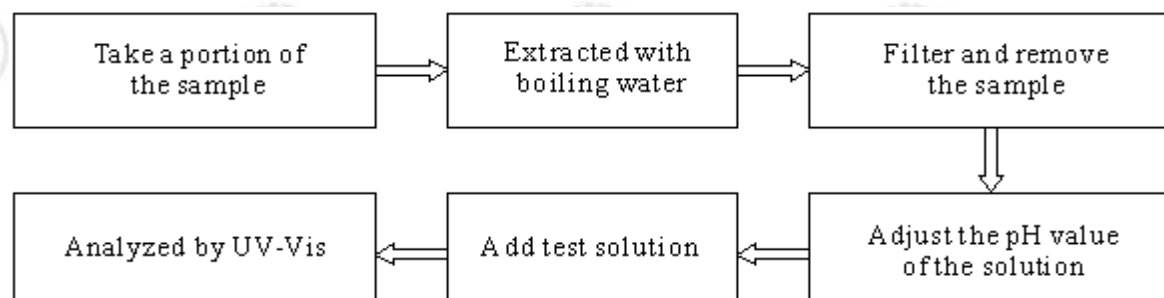
2. Mercury (Hg)



3. Antimony (Sb), Beryllium (Be)



4. Hexavalent Chromium (Cr(VI))

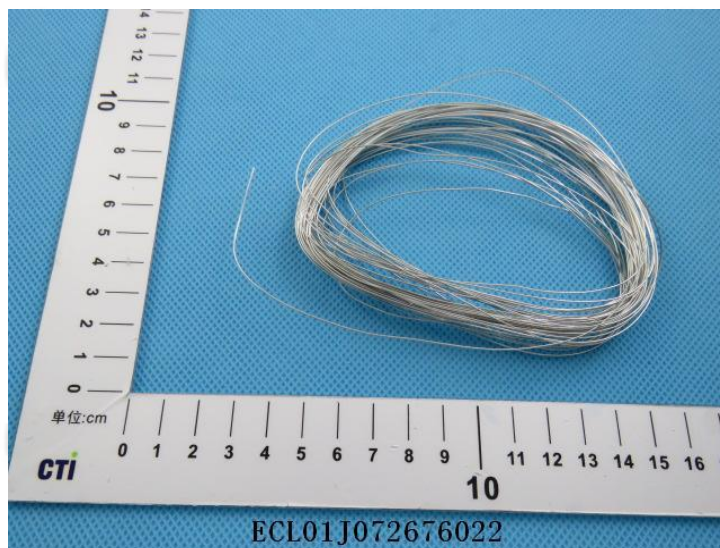


Test Report

Report No. ECL01J072676022

Page 4 of 4

Photo(s) of the sample(s)



*** End of report ***

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