

# Test Report

Report No. ECL03H001234008

Page 1 of 4

Applicant ZHEJIANG LONGFA ELECTRONICS CO.,LTD

Address LONGFA EDIFICE,DANXI TOWN,YUEQING CITY,ZHEJIANG PROVINCE

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

Sample Name Beryllium Bronze

Sample Received Date Mar. 23, 2015

Testing Period Mar. 23, 2015 to Mar. 24, 2015

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

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

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

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## Conclusion

Tested Sample	According to directive	Result
Submitted Sample	2011/65/EU*	Pass

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\*2011/65/EU is a new version of RoHS Directive (2002/95/EC), which focuses on restriction of the use of certain hazardous substances (Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)) in electrical and electronic equipment.

Pass means that the results shown on the report do not exceed the limits set by RoHS Directive 2011/65/EU.

Tested by

Xiangqing Jiang

Reviewed by

Lin Zhang



Wei Miao

Wei Miao

Approved Signatory

Date

Mar. 24, 2015

No. R212372038

Centre Testing International(Ningbo)Co.,Ltd. 7-8/F.,Building A,No.750.Chuangyuan Road,Gaoxin District,Ningbo,Zhejiang,China

# Test Report

Report No. ECL03H001234008

Page 2 of 4

## 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 62321:2008 Ed.1 Annex B	UV-Vis

## Test Result(s)

Tested Item(s)	Result	MDL	Limit of Directive 2011/65/EU
Lead (Pb)	33 mg/kg	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium(Cr(VI))	Negative	/	1000 mg/kg

**Tested Sample/Part Description** Cupreous metal

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

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-Negative = Absence of Cr(VI) , the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm<sup>2</sup> sample surface area used.

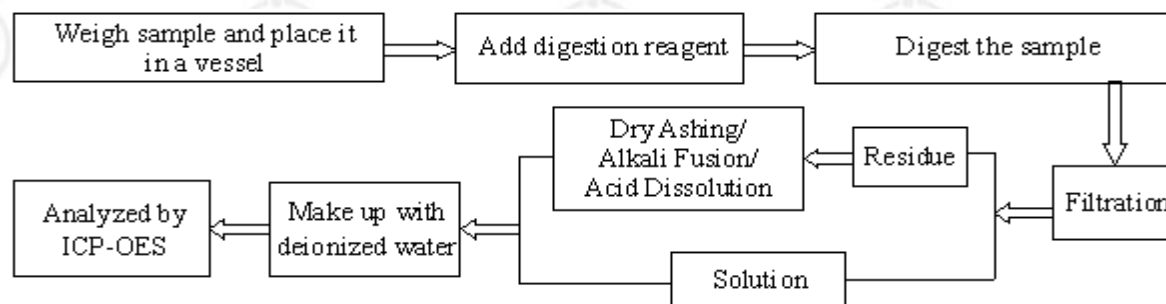
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Report No. ECL03H001234008

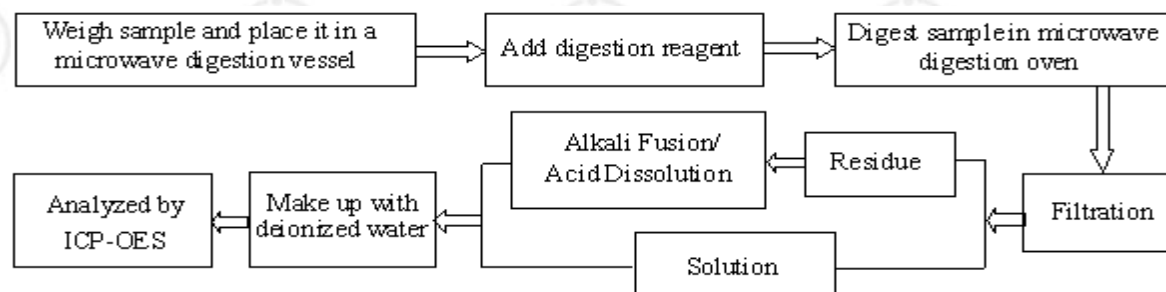
Page 3 of 4

## Test Process

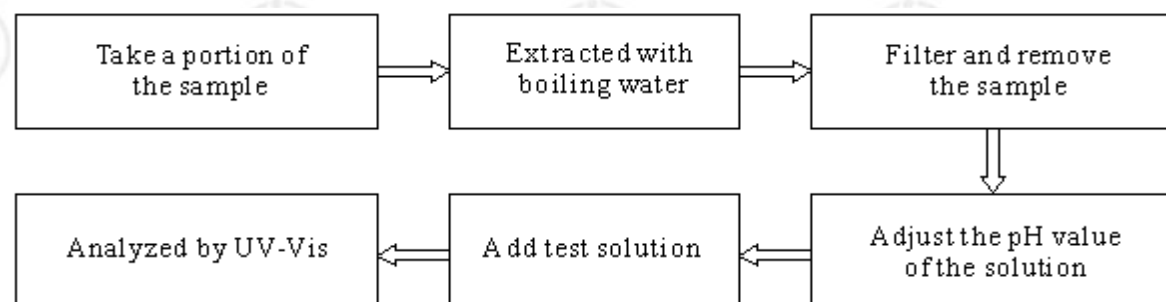
### 1. Lead (Pb), Cadmium (Cd)



### 2. Mercury (Hg)



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



# Test Report

Report No. ECL03H001234008

Page 4 of 4

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



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

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