

## Test Report

No. SHAEC1628648210

Date: 09 Jan 2017

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NINGBO CONNFLY ELECTRONIC CO.,LTD

NO.125 ZHANTEN ROAD EAST INDUSTRY ZONE KUANGYAN TOWN CIXI NINGBO CHINA P.C 315333

The following sample(s) was/were submitted and identified on behalf of the clients as : Phosphor Bronze

SGS Job No. : SP16-046022 - SH  
Composition : Cu  
Date of Sample Received : 29 Dec 2016  
Testing Period : 29 Dec 2016 - 09 Jan 2017  
Test Requested : Selected test(s) as requested by client.  
Test Method : Please refer to next page(s).  
Test Results : Please refer to next page(s).

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Marry Ma

Marry Ma  
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA16-286482.010	Silvery metal

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

**RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU**

Test Method : (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.  
 (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.  
 (3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.  
 (4) With reference to IEC 62321-7-1:2015 , determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>010</u>
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	66
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	µg/cm <sup>2</sup>	0.10	ND

Notes :

- (1) ▼= a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm<sup>2</sup>. The sample coating is considered to contain CrVI
- b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 µg/cm<sup>2</sup>). The coating is considered a non-CrVI based coating
- c. The result between 0.10 µg/cm<sup>2</sup> and 0.13 µg/cm<sup>2</sup> is considered to be inconclusive - unavoidable coating variations may influence the determination

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.

IEC 62321 series is equivalent to EN 62321 series

<http://www.cenelec.eu/dyn/www/ff?>

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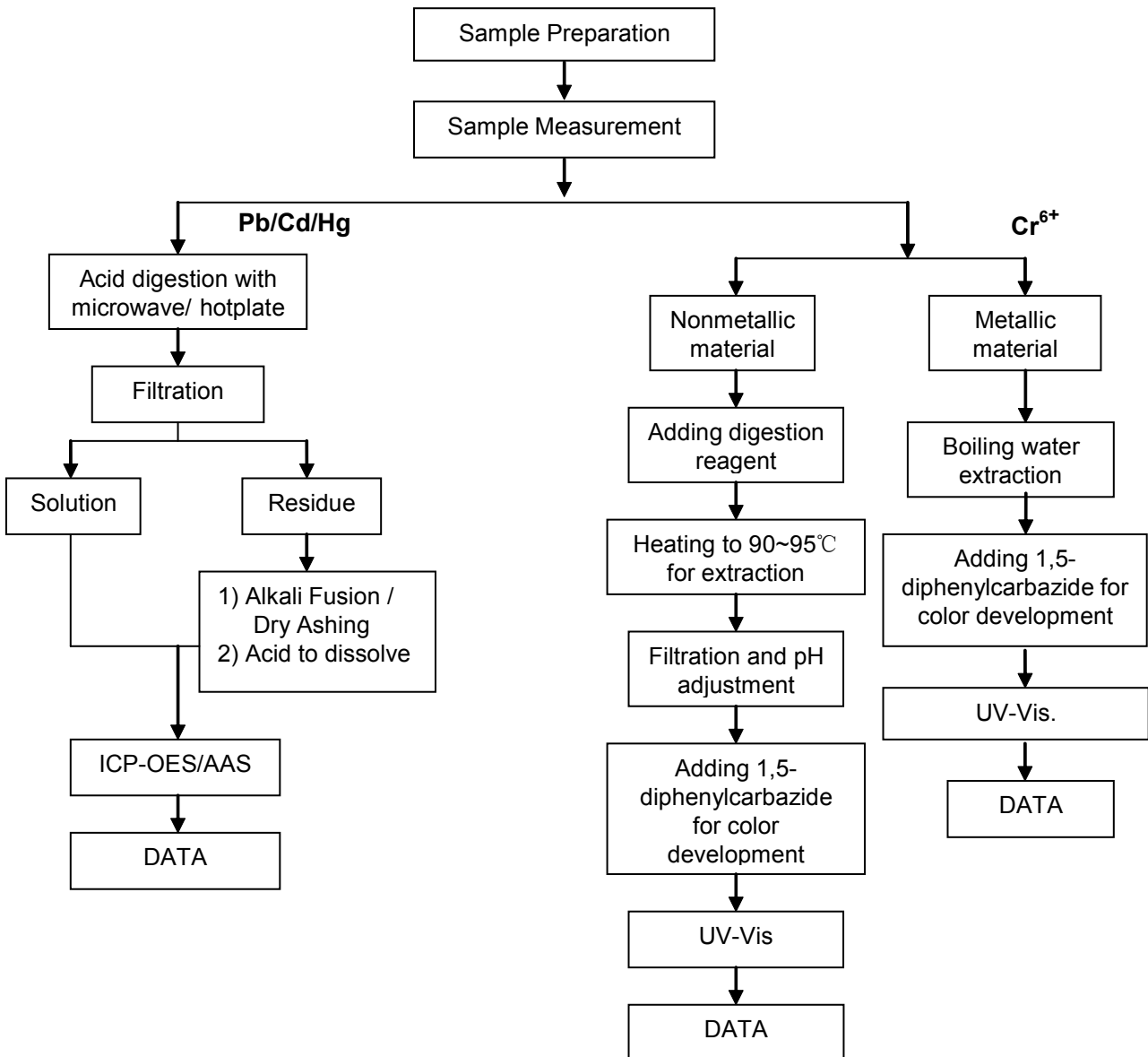
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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Meria Jin/Sielina Song/Sean Li
- 2) Name of the person in charge of testing: Jan Shi/Luna Xu/Shara Wang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> test method excluded)



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Sample photo:



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\*\*\* End of Report \*\*\*

