Test Report

Applicant: ZHEJIANG BRIDGOLD COPPER SCIENCE AND TECHNOLOGY CO., LTD

Address: NO.11, ZHENXING ROAD, XINGUANG INDUSTRIAL ZONE, LIUSHI TOWN, YUEQING CITY, ZHEJIANG PROVINCE, CHINA

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

Sample Name: Flexible Copper Foil Connector
Material: T2
Sample Received Date: Sep. 1, 2016

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

<table>
<thead>
<tr>
<th>Tested Sample</th>
<th>According to directive</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submitted Sample</td>
<td>2011/65/EU</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Pass means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU.

Signed by: Xiangping Jiang
Approved Signatory: Lin Zhang
Reviewed by: Sha Chen
Date: Sep. 5, 2016
No. R219921490
# Test Report

**Test Method**

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Test Method</th>
<th>Measured Equipment(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (Pb)</td>
<td>IEC 62321-5:2013 Ed.1.0</td>
<td>ICP-OES</td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td>IEC 62321-5:2013 Ed.1.0</td>
<td>ICP-OES</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>IEC 62321-4:2013 Ed.1.0</td>
<td>ICP-OES</td>
</tr>
<tr>
<td>Hexavalent Chromium(Cr(VI))</td>
<td>IEC 62321-7-1:2015</td>
<td>UV-Vis</td>
</tr>
</tbody>
</table>

**Test Result(s)**

<table>
<thead>
<tr>
<th>Tested Item(s)</th>
<th>Result</th>
<th>MDL</th>
<th>Limit of Directive 2011/65/EU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (Pb)</td>
<td>N.D.</td>
<td>2 mg/kg</td>
<td>1000 mg/kg</td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td>N.D.</td>
<td>2 mg/kg</td>
<td>100 mg/kg</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>N.D.</td>
<td>2 mg/kg</td>
<td>1000 mg/kg</td>
</tr>
<tr>
<td>Hexavalent Chromium(Cr(VI))</td>
<td>N.D. ▼</td>
<td>0.10 µg/cm²(LOQ)</td>
<td>1000 mg/kg</td>
</tr>
</tbody>
</table>

**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 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.
Test Report

Test Process

1. Lead (Pb), Cadmium (Cd)
   - Weigh sample and place it in a vessel
   - Add digestion reagent
   - Digest the sample
   - Dry Ashing/Alkal Fusion/Acid Dissolution
   - Residue
   - Filtration
   - Solution
   - Analyzed by ICP-OES
   - Make up with deionized water

2. Mercury (Hg)
   - Weigh sample and place it in a microwave digestion vessel
   - Add digestion reagent
   - Digest sample in microwave digestion oven
   - Alkal Fusion/Acid Dissolution
   - Residue
   - Filtration
   - Solution
   - Analyzed by ICP-OES
   - Make up with deionized water

3. Hexavalent Chromium(Cr(VI))
   - Take a portion of the sample
   - Extracted with boiling water
   - Filter and remove the sample
   - Adjust the pH value of the solution
   - Add test solution
   - Analyzed by UV-Vis
The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can’t be reproduced except in full.