Test Report

No. C190418046001 Date: Apr 24, 2019 Page 1 of 4

Applicant: SUZHUO SANGUANG SCIENCE & TECHNOLOGY CO., LTD.
Applicant Address: No. 145 Songshan Road, New District, Suzhou, China

The following samples were submitted and identified on behalf of the clients as

Sample Name: Molybdenum Wire
Number of Sample Received: 1
Sample description: Diameter 0.1-0.25mm
CPST Internal Reference No.: C190418046
Sample Received Date: Apr 18, 2019
Test Period: Apr 18, 2019 to Apr 24, 2019
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).

*******************************************************************************************************************************
CONCLUSION :

TESTED SAMPLES TEST ITEM RESULT

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Signed for and on behalf of
Eurones Consumer Products Testing Service Co., Ltd

TESTED BY : REVIEWED BY: APPROVED BY:
Wang Guang Yu, Andy Liu Xiao Fang, Sunshine Pan Jian Ding, Will
Project Leader Report Reviewer Technical Supervisor

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Test Report

Test Result(s):

Description of Specimen: Metal wire


<table>
<thead>
<tr>
<th>Test Items</th>
<th>Unit</th>
<th>Test Method</th>
<th>Result</th>
<th>MDL</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (Pb)</td>
<td>mg/kg</td>
<td>IEC 62321-5:2013, ICP-OES</td>
<td>N.D.</td>
<td>2</td>
<td>1000</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>mg/kg</td>
<td>IEC 62321-4:2013+A1:2017, ICP-OES</td>
<td>N.D.</td>
<td>2</td>
<td>1000</td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td>mg/kg</td>
<td>IEC 62321-5:2013, ICP-OES</td>
<td>N.D.</td>
<td>2</td>
<td>100</td>
</tr>
<tr>
<td>Hexavalent Chromium (Cr6+)</td>
<td>μg/cm²</td>
<td>IEC 62321-7-1:2015, UV-VIS</td>
<td>N.D.</td>
<td>0.10</td>
<td>0.10</td>
</tr>
</tbody>
</table>

Note:
1. mg/kg = milligram per kilogram = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. "-" = Not Regulated
5. Boiling-water-extraction:
   Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10μg with 1cm² sample surface area.
   Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than 0.13μg with 1cm² sample surface area.
   Inconclusive = the detected concentration in boiling-water-extraction solution is greater than 0.10μg and less than 0.13μg with 1cm² sample surface area.
6. Positive = result be regarded as not comply with RoHS requirement
7. Negative = result be regarded as comply with RoHS requirement
Pb/Cd/Hg/Cr\textsuperscript{6+} Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr\textsuperscript{6+} test method excluded)

**Sample Preparation**

- Acid digestion with microwave/ hotplate
  - Filtration
  - Solution
    - 1) Alkali Fusion /Dry Ashing
    - 2) Acid to dissolve
  - Residue
  - ICP-OES
  - DATA

**Sample Measurement**

- Acid digestion with microwave/ hotplate
  - Filtration
  - Solution
    - ICP-OES
    - DATA

- Nonmetallic
  - Heating to 90~95 °C for extraction
  - Filtration and pH adjustment
  - Adding 1.5 -diphenylcarbazide for color development
  - DATA

- Metallic
  - Boiling water
  - Adding 1.5 -diphenylcarbazide for color development
  - A red color indicates the presence of Cr\textsuperscript{6+}. If necessary, confirm with UV-Vis.
  - DATA

*** End of Report ***