Test Report

No. CANEC1505286301  Date: 15 Apr 2015  Page 1 of 5

DONGGUAN FUHUITE HARDWARE MANUFACTURING CO., LTD
NO. 10 TONGXIN STREET, JUZHOU INDUSTRIAL PARK, SHIJIE TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as: ENAMELLED ROUND WINDING WIRES

SGS Job No.: CP15-018257 - SZ
Date of Sample Received: 10 Apr 2015
Testing Period: 10 Apr 2015 - 15 Apr 2015
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 Co., Ltd. Guangzhou Branch

Zm guan
Approved Signatory
Test Results:

Test Part Description:

<table>
<thead>
<tr>
<th>Specimen No.</th>
<th>SGS Sample ID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SN1</td>
<td>CAN15-052863.001</td>
<td>Copper-colored metal wire w/ transparent surface(mixed)</td>
</tr>
</tbody>
</table>

Remarks:

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

Elementary Analysis & Flame Retardants

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.
5. With reference to IEC 62321:2008, determination of PBBs and PBDEs by GC-MS.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Limit</th>
<th>Unit</th>
<th>MDL</th>
<th>001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cadmium (Cd)</td>
<td>100 mg/kg</td>
<td>2</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Lead (Pb)</td>
<td>1,000 mg/kg</td>
<td>2</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>1,000 mg/kg</td>
<td>2</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Hexavalent Chromium (CrVI)</td>
<td>1,000 mg/kg</td>
<td>2</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Sum of PBBs</td>
<td>1,000 mg/kg</td>
<td>-</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Monobromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Dibromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Tribromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Tetrabromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Pentabromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Hexabromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Heptabromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Octabromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Nonabromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Decabromobiphenyl</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Sum of PBDEs</td>
<td>1,000 mg/kg</td>
<td>-</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Monobromodiphenyl ether</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
</tbody>
</table>
# Test Report

**Test Item(s)** | **Limit** | **Unit** | **MDL** | **001**
--- | --- | --- | --- | ---
Dibromodiphenyl ether | - | mg/kg | 5 | ND
Tribromodiphenyl ether | - | mg/kg | 5 | ND
Tetrabromodiphenyl ether | - | mg/kg | 5 | ND
Pentabromodiphenyl ether | - | mg/kg | 5 | ND
Hexabromodiphenyl ether | - | mg/kg | 5 | ND
Heptabromodiphenyl ether | - | mg/kg | 5 | ND
Octabromodiphenyl ether | - | mg/kg | 5 | ND
Nonabromodiphenyl ether | - | mg/kg | 5 | ND
Decabromodiphenyl ether | - | mg/kg | 5 | ND

Notes:

(1) The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II.

Remark: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.
ATTACHMENTS

RoHS Testing Flow Chart

1) Name of the person who made testing: Bruce Xiao / Sunny Hu
2) Name of the person in charge of testing: Bella Wang / Cutey Yu
3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr<sup>6+</sup> and PBBs/PBDEs test method exuded).

Sample Preparation

Sample Measurement

Pb/Cd/Hg

Acid digestion with microwave/ hotplate

Filtration

Solution

Residue

1) Alkali Fusion / Dry Ashing
2) Acid to dissolve

ICP-OES/AAS

DATA

PBBs/PBDEs

Sample solvent extraction

Concentration/ Dilution of extraction solution

Filtration

Nonmetallic material

Metallic material

Heating to 90~95℃ for extraction

Filtration and pH adjustment

Adding digestion reagent

Spot test

Positive

Negative

Boiling water extraction

Adding 1,5-diphenylcarbazide for color development

UV-Vis

A red color indicates the presence of Cr<sup>6+</sup>. If necessary, confirm with UV-Vis.

DATA

Cr<sup>6+</sup>

DATA

DATA
Test Report

No. CANEC1505286301  Date: 15 Apr 2015  Page 5 of 5

Sample photo:

SGS authenticate the photo on original report only

*** End of Report ***