The following sample(s) was/were submitted and identified on behalf of the clients as: Bright Chrome PET TC

SGS Job No.: CP17-007284 - GZ
Date of Sample Received: 23 Feb 2017
Testing Period: 23 Feb 2017 - 03 Mar 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).

Conclusion: Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Merry Lv
Approved Signatory
Test Report

No. CANEC1702449214 Date: 03 Mar 2017 Page 2 of 10

Test Results:

Test Part Description:

Specimen No. SGS Sample ID Description
SN1 CAN17-024492.014 Silvery sheet

Remarks:

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


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 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
(6) With reference to IEC 62321-8:2013 (111/321/CD), determination of phthalates by GC-MS.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Limit</th>
<th>Unit</th>
<th>MDL</th>
<th>014</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>
</tbody>
</table>
## Test Report

### Test Item(s) | Limit | Unit | MDL | 014
--- | --- | --- | --- | ---
Monobromodiphenyl ether | - | mg/kg | 5 | ND
Dibromodiphenyl ether | - | mg/kg | 5 | ND
Tribromodiphenyl ether | - | mg/kg | 5 | ND
Tetabromodiphenyl 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
Dibutyl phthalate (DBP) | 1000 | mg/kg | 50 | ND
Butyl benzyl phthalate (BBP) | 1000 | mg/kg | 50 | ND
Bis (2-ethylhexyl) phthalate (DEHP) | 1000 | mg/kg | 50 | ND
Disobutyl Phthalates (DIBP) | 1000 | mg/kg | 50 | ND

Notes:
1. The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

### Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

| Test Item(s) | Unit | MDL | 014 |
--- | --- | --- | ---
Fluorine (F) | mg/kg | 50 | ND
Chlorine (Cl) | mg/kg | 50 | ND
Bromine (Br) | mg/kg | 50 | ND
Iodine (I) | mg/kg | 50 | ND

### Hexabromocyclododecane (HBCDD)

Test Method: With reference to IEC 62321:2008, analysis was performed by GC-MS.

| Test Item(s) | Unit | MDL | 014 |
--- | --- | --- | ---
Hexabromocyclododecane (HBCDD) | mg/kg | 10 | ND

### PFOA & PFOS (Perfluorooctanoic acid & Perfluorooctane sulfonates)
Test Method: With reference to CEN/TS15968:2010, analysis was performed by LC-MS.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>CAS NO.</th>
<th>Unit</th>
<th>MDL</th>
<th>014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perfluorocanoic acid (PFOA)</td>
<td>335-67-1</td>
<td>mg/kg</td>
<td>10</td>
<td>ND</td>
</tr>
<tr>
<td>Perfluoroctane Sulfonates (PFOS)^</td>
<td>-</td>
<td>mg/kg</td>
<td>10</td>
<td>ND</td>
</tr>
</tbody>
</table>

Notes:

(1)^ PFOS refer to Perfluorooctanesulfonic acid and its derivatives including Perfluorooctanesulfonic acid, Perfluorooctane sulfonamide, N-Methylperfluorooctane sulfonamide, N-Ethylperfluorooctane sulfonamide, N-Methylperfluorooctane sulfonamidoethanol and N-Ethylperfluorooctane sulfonamidoethanol.
1) Name of the person who made testing: Edith Zhang / Sunny Hu
2) Name of the person in charge of testing: Bella Wang / Qiong Liu
3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr⁶⁺ and PBBs/PBDEs test method excluded).
ATTACHMENTS

Phthalates Testing Flow Chart

1) Name of the person who made testing: Sunny Hu
2) Name of the person in charge of testing: Qiong Liu
ATTACHMENTS

HBCDD Testing Flow Chart

1) Name of the person who made testing: Sunny Hu
2) Name of the person in charge of testing: Qiong Liu

Sample cutting / preparation

Sample Measurement

Solvent extraction

Concentration/Dilution

Filtration

GC-MS

DATA
ATTACHMENTS

Halogen Testing Flow Chart

1) Name of the person who made testing: Bruce Xiao
2) Name of the person in charge of testing: Bella Wang

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Sample cutting / preparation

Sample Measurement

Combustion in oxygen bomb

Dissolved in an absorption solution

Filtration

Analyzed by ion chromatography. Double confirm by other instruments, if necessary

DATA
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ATTACHMENTS

PFOA / PFOS Testing Flow Chart

1) Name of the person who made testing: Zhihong Wang
2) Name of the person in charge of testing: Qiong Liu
Sample photo:

SGS authenticate the photo on original report only

*** End of Report ***