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

SGS Job No.: CP16-077339 - GZ
Tested Sample Info.: XPHDR00F
Client Ref. Info.: SEE REMARK
Date of Sample Received: 26 Dec 2016
Testing Period: 26 Dec 2016 - 04 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).
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

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
Test Report

No. CANEC1625518743 Date: 05 Jan 2017 Page 2 of 14

Test Results:

Test Part Description:

Specimen No.  SGS Sample ID  Description
SN1            CAN16-255187.007  Dk-gray adhesive sheet w/ lt-gray printing

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>007</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

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<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Limit</th>
<th>Unit</th>
<th>MDL</th>
<th>007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monobromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Dibromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Tribromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Tetra bromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Pentabromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Hexabromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Heptabromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Octabromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Nonabromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Decabromodiphenyl ether</td>
<td>-</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
<tr>
<td>Dibutyl phthalate (DBP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Butyl benzyl phthalate (BBP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Bis (2-ethylhexyl) phthalate (DEHP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Diisobutyl Phthalates (DIBP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Unit</th>
<th>MDL</th>
<th>007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorine (F)</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Chlorine (Cl)</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Bromine (Br)</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Iodine (I)</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
</tbody>
</table>

### Tetra bromobisphenol A (TBBP-A)

Test Method: With reference to US EPA Method 3540C:1996, analysis was performed by GC-MS&HPLC-MS.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Unit</th>
<th>MDL</th>
<th>007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrabromobisphenol A (TBBP-A)</td>
<td>mg/kg</td>
<td>10</td>
<td>ND</td>
</tr>
</tbody>
</table>

### Dimethyl Fumarate (DMF)
### Test Method:
SGS In-house method (GZTC CHEM-TOP-095), analysis was performed by GC-MS.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Limit</th>
<th>Unit</th>
<th>MDL</th>
<th>007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethyl fumarate (DMF)</td>
<td>0.1</td>
<td>mg/kg</td>
<td>0.1</td>
<td>ND</td>
</tr>
</tbody>
</table>

**Comment**

PASS

**Notes:**


### Hexabromocyclododecane (HBCDD)

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

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Unit</th>
<th>MDL</th>
<th>007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexabromocyclododecane (HBCDD)</td>
<td>mg/kg</td>
<td>10</td>
<td>ND</td>
</tr>
</tbody>
</table>

### Phthalate

**Test Method:**
With reference to EN14372: 2004. Analysis was performed by GC-MS.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>CAS NO.</th>
<th>Unit</th>
<th>MDL</th>
<th>007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dibutyl Phthalate (DBP)</td>
<td>84-74-2</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Benzylbutyl Phthalate (BBP)</td>
<td>85-68-7</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Bis(2-ethylhexyl) Phthalate (DEHP)</td>
<td>117-81-7</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Diisononyl Phthalate (DINP)</td>
<td>28553-12-0</td>
<td>% (w/w)</td>
<td>0.010</td>
<td>ND</td>
</tr>
<tr>
<td>Di-n-octyl Phthalate (DNOP)</td>
<td>117-84-0</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Diisodecyl Phthalate (DIDP)</td>
<td>26761-40-0</td>
<td>% (w/w)</td>
<td>0.010</td>
<td>ND</td>
</tr>
<tr>
<td>Dimethyl Phthalate (DMP)</td>
<td>131-11-3</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Diethyl Phthalate (DEP)</td>
<td>84-66-2</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Diisobutyl Phthalate (DBP)</td>
<td>84-69-5</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Dinonyl Phthalate (DNP)</td>
<td>84-76-4</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Diisooctyl Phthalate (DIOP)</td>
<td>27554-26-3</td>
<td>% (w/w)</td>
<td>0.010</td>
<td>ND</td>
</tr>
<tr>
<td>Dipropyl Phthalate (DPrP)</td>
<td>131-16-8</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Dicyclohexyl Phthalate (DCHP)</td>
<td>84-61-7</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
<tr>
<td>Di-n-pentyl Phthalate (DnPP)</td>
<td>131-18-0</td>
<td>% (w/w)</td>
<td>0.003</td>
<td>ND</td>
</tr>
</tbody>
</table>
# Test Report

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**Date: 05 Jan 2017**  
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## Test Item(s)

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>Unit</th>
<th>MDL</th>
</tr>
</thead>
<tbody>
<tr>
<td>523-31-9</td>
<td>%(w/w)</td>
<td>0.003</td>
</tr>
<tr>
<td>84-62-8</td>
<td>%(w/w)</td>
<td>0.003</td>
</tr>
<tr>
<td>84-75-3</td>
<td>%(w/w)</td>
<td>0.003</td>
</tr>
</tbody>
</table>

## Notes:

   - Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
   - Toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.
   - Please refer to Regulation (EC) No 552/2009 to get more detail information

   - Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.
   - Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.
   - Please refer to Regulation (EC) No 552/2009 to get more detail information

## 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>
</tr>
</thead>
<tbody>
<tr>
<td>335-67-1</td>
<td>mg/kg</td>
<td>10</td>
<td>ND</td>
</tr>
<tr>
<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.
REMARK:
XPHD258F XPHD0302 XPHD0303 XPHD020F XPHD00B XPHD030B XPHD***2
XPHD363F XPHD0502 XPHD10035C XPHD025F XPHD0CBBXPHD050B XPHD***3
XPHD00F4 XPHD0802 XPHD0503 XPHD030F XPHD01CB XPHD070B XPHD***4
XPHDF00F XPHD1002 XPHD1003 XPHD031F XPHD03CB XPHD090B XPHD***F
XPHD369F XPHD1302 XPHD1503 XPHD032F XPHD03CB-1 XPHD00BF XPHD***B
XPHD369C XPHD1502 XPHD2003 XPHD033F XPHD05CB XPHD00BB XPHD**CB
XPHD369E XPHD2002 XPHD2503 XPHD050F XPHD110B XPHD0BBF XPHD**BB XPHD2502 XPHD051F
XPHD150B XPHD00BF4 XPHDF XPHD0F4 XPHD3002
XPHD052F XPHD210B XPHD0S0B XPHDB XPHD3502 XPHD053F XPHD250B XPHD0BC4
XPHD4002 XPHD071F XPHD310B XPHD080F XPHD00PB
XPHD5002 XPHD110F XPHD410B XPHD0804 XPHD6002 XPHD120F XPHD00CB XPHD0R0F
XPHD0B02 XPHD150F XPHD350B XPHD0HF4
XPHD0G02 XPHD210F XPHD0RBF4 XPHD0H02 XPHD250F XPHD00B2 XPHD0*2
XPHD310F XPHD0C02 XPHD350F XPHD410F XPHD510F XPHD610F XPHD710F XPHD0R0F
XPHD**F XPHD0R0BF XPHD0R0F XPHD258F** XPHD0302** XPHD0303** XPHD020F**
XPHD00B**XPHD030B**
XPHD****2** XPHD363F** XPHD0502** XPHD10035C** XPHD025F** XPHD0CBB** XPHD050B**
XPHD****3** XPHD00F4** XPHD0802** XPHD0503** XPHD030F** XPHD01CB** XPHD070B**
XPHD****4** XPHD00F0** XPHD1002** XPHD1003** XPHD031F** XPHD03CB** XPHD090B**
XPHD****F** XPHD369F** XPHD1302** XPHD1503** XPHD032F** XPHD03CB-1** XPHD00BF**
XPHD****B** XPHD369C** XPHD1502** XPHD2003** XPHD033F** XPHD05CB** XPHD00BB**
XPHD****CB**
XPHD369E** XPHD2002** XPHD2503** XPHD050F** XPHD110B** XPHD0BBF** XPHD**BB**
XPHD2502** XPHD051F** XPHD150B** XPHD00B4** XPHDF** XPHD0R0F4**
XPHD3002** XPHD052F** XPHD210B** XPHD050B** XPHDB** XPHD3502**
XPHD053F** XPHD250B** XPHD0804** XPHD4002** XPHD071F** XPHD310B**
XPHD0B0F** XPHD00PB** XPHD5002 XPHD110F XPHD410B XPHD0S04
XPHD6002** XPHD120F** XPHD00CB** XPHD0R0F** XPHD0B02** XPHD150F**
XPHD350B** XPHD0HF4** XPHD0G02** XPHD210F** XPHD0RBF4** XPHD0H02**
XPHD250F** XPHD00B2** XPHD02** XPHD310F** XPHD0C02** XPHD350F**
XPHD410F** XPHD510F** XPHD610F** XPHD710F** XPHD0R0F** XPHD**F** XPHD0R0BF**
XPHD0R0F**

Note: “*” express any one of 0 to 9 or A to Z
ATTACHMENTS

Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

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).

[Flow Chart Diagram]

Pb/Cd/Hg

Sample Preparation

Sample Measurement

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

Adding digestion reagent

Heating to 90~95°C for extraction

Filtration and pH adjustment

Adding 1,5-diphenylcarbazide for color development

UV-Vis

DATA

Cr⁶⁺

Metallic material

Boiling water extraction

Adding 1,5-diphenylcarbazide for color development

UV-Vis

DATA
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

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

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
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
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 cutting / preparation

Sample Measurement

Solvent extraction

Concentration/Dilution

Filtration

LC-MS

DATA
```
ATTACHMENTS

Dimethyl Fumarate 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

TBBP-A Testing Flow Chart

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

SGS authenticate the photo on original report only

*** End of Report ***