The following sample(s) was/were submitted and identified on behalf of the clients as: B270i

SGS Job No.: SP19-031190 - SUZ
Date of Sample Received: 12 Sep 2019
Testing Period: 12 Sep 2019 - 19 Sep 2019
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 (Shanghai) Co., Ltd.

Dora Hu
Approved Signatory
**Test Report**

**No. SHAEC1920291010  Date: 19 Sep 2019**

**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>SHA19-202910.010</td>
<td>Colorless Transparent glass</td>
</tr>
</tbody>
</table>

**Remarks:**

1. 1 mg/kg = 0.0001%
2. RL = Report Limit
3. ND = Not Detected (< RL)
4. "-" = Not Regulated


<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Limit</th>
<th>Unit</th>
<th>MDL</th>
<th>010</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>1000 mg/kg</td>
<td>2</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>1000 mg/kg</td>
<td>2</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Hexavalent Chromium (Cr(VI))</td>
<td>1000 mg/kg</td>
<td>8</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Sum of PBBs</td>
<td>1000 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>Tetra bromobiphenyl</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>1000 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>
<tr>
<td>Dibromodiphenyl ether</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Tribromodiphenyl ether</td>
<td>- mg/kg</td>
<td>5</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Tetrabromodiphenyl ether</td>
<td>- mg/kg</td>
<td>5</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>Q10</th>
</tr>
</thead>
<tbody>
<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>Di-butyl Phthalate (DBP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Benzyl Butyl Phthalate (BBP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Di-2-Ethyl Hexyl Phthalate (DEHP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
<tr>
<td>Disobutyl Phthalates (DIBP)</td>
<td>1000</td>
<td>mg/kg</td>
<td>50</td>
<td>ND</td>
</tr>
</tbody>
</table>

Notes:

2. The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
3. The restriction of DEHP, BBP, DBP and DIBP shall not apply to toys which are already subject to the restriction of DEHP, BBP, DBP and DIBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.

### Element(s)

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES.

<table>
<thead>
<tr>
<th>Test Item(s)</th>
<th>Unit</th>
<th>MDL</th>
<th>Q10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenic (As)</td>
<td>mg/kg</td>
<td>10</td>
<td>ND</td>
</tr>
<tr>
<td>Barium (Ba)</td>
<td>mg/kg</td>
<td>10</td>
<td>4215</td>
</tr>
<tr>
<td>Antimony (Sb)</td>
<td>mg/kg</td>
<td>10</td>
<td>4935</td>
</tr>
<tr>
<td>Phosphorus (P)</td>
<td>mg/kg</td>
<td>20</td>
<td>ND</td>
</tr>
<tr>
<td>Beryllium (P)</td>
<td>mg/kg</td>
<td>5</td>
<td>ND</td>
</tr>
</tbody>
</table>

### Halogen

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

Test Item(s) | Unit | MDL | 010
--- | --- | --- | ---
Fluorine (F) | mg/kg | 50 | ND
Chlorine (Cl) | mg/kg | 50 | ND
Bromine (Br) | mg/kg | 50 | ND
Iodine (I) | mg/kg | 50 | ND

Asbestos

Test Method: With reference to NIOSH 9000:2015 and ISO 22262-1:2012, analysis was performed by X-ray diffractometer (XRD) and Polarized light microscope (PLM).

| Test Item(s) | CAS NO. | Unit | MDL | 010 |
--- | --- | --- | --- | ---
Actinolite | 77536-66-4 | % | 0.1 | Negative
Amosite | 12172-73-5 | % | 0.1 | Negative
Anthophyllite | 77536-67-5 | % | 0.1 | Negative
Chrysotile | 12001-29-5 | % | 0.1 | Negative
| 132207-32-0 | | | | |
Crocidolite | 12001-28-4 | % | 0.1 | Negative
Tremolite | 77536-68-6 | % | 0.1 | Negative

Notes:
(1) Negative = the absence of asbestos, Positive = the presence of asbestos.

PFOS (Perfluorooctane Sulfonates) and PFOA (Perfluorooctanoic Acid)

Test Method: With reference to US EPA 3550C: 2007, analysis was performed by HPLC-MS.

| Test Item(s) | Unit | MDL | 010 |
--- | --- | --- | ---
Perfluorooctanesulfonate (PFOS) | mg/kg | 10 | ND
Perfluorooctanoic Acid (PFOA) | mg/kg | 10 | ND

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.
Elements (IEC62321) Testing Flow Chart

1) These samples were dissolved totally by pre-conditioning method according to below flow chart.

```
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
```
Hexavalent Chromium (Cr(VI)) Testing Flow Chart

Sample Preparation

Sample Measurement

Nonmetallic material

Metallic material

ABS/PC/PVC

Dissolving by ultrasonication

Digesting at 60°C by ultrasonication

Digesting at 150~160°C

Separating to get aqueous phase

pH adjustment

Adding 1,5-diphenylcarbazide for color development

UV-Vis

DATA

Others

Boiling water extraction

Adding 1,5-diphenylcarbazide for color development

UV-Vis

DATA
ATTACHMENTS

PBBs/PBDEs Testing Flow Chart

1. Sample cutting/preparation
2. Sample measurement
3. Solvent extraction
4. Concentration/Dilution of extraction solution
5. Filtration
6. GC-MS
7. DATA
Phthalates Testing Flow Chart

1. Sample cutting/preparation
2. Sample measurement
3. Solvent extraction
4. Concentration/Dilution
5. Filtration
6. GC-MS
7. DATA
ATTACHMENTS

Halogen Testing (oxygen bomb) Flow Chart

1. Sample cutting/preparation
2. Sample measurement
3. Combustion in oxygen bomb
4. Dissolved in an absorption solution
5. Filtration
6. Analyzed by ion chromatography. Double confirm by other instruments, if necessary

DATA
Test Report

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ATTACHMENTS

PFOS/PFOA Testing Flow Chart

1. Sample cutting/preparation
2. Sample measurement
3. Solvent extraction
4. Concentration/Dilution
5. Filtration
6. LC-MS
7. DATA
Elements Testing Flow Chart

1. Sample cutting/preparation
2. Sample measurement
3. Acid digestion
4. Filtration
5. Solution
6. ICP-MS/ICP-OES/AAS
7. DATA
ATTACHMENTS

Asbestos Testing Flow Chart

1. Sample cutting/preparation
2. Examination by XRD
3. Examination by PLM
4. DATA
Sample photo:

SGS authenticate the photo on original report only

*** End of Report ***