

Test Report

No. CANEC1101131601

Date: 03 Apr 2011

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SHENZHEN JINWANGXING INSULATION MATERIAL CO.,LTD
NO.53-1 FENG QI ROAD FUCHENGAO PINGHU TOWN LONGGANG DISTRICT SHENZHEN CITY
CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as :
蓝色手动/自动绝缘粉末

SGS Job No. : 13038184 - SZ
Date of Sample Received : 30 Mar 2011
Testing Period : 30 Mar 2011 - 03 Apr 2011
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 Ltd.



Merry Lv
Approved Signatory

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Test Results:

ID for specimen 1 : CAN11-011316.001
 Description for specimen 1 : Blue powder

Elementary Analysis

| Test Item(s) | Unit | Test Method (Reference) | Result | MDL |
|---|-------|-------------------------|--------|-----|
| Cadmium (Cd) | mg/kg | IEC 62321:2008, ICP-OES | N.D. | 2 |
| Lead (Pb) | mg/kg | IEC 62321:2008, ICP-OES | N.D. | 2 |
| Mercury (Hg) | mg/kg | IEC 62321:2008, ICP-OES | N.D. | 2 |
| Hexavalent Chromium (CrVI) by alkaline extraction | mg/kg | IEC 62321:2008, UV-Vis | N.D. | 2 |

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

Flame Retardants

| Test Item(s) | Unit | Test Method (Reference) | Result | MDL |
|--------------------------|-------|-------------------------|--------|-----|
| Sum of PBBs | mg/kg | - | N.D. | - |
| Monobromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Dibromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Tribromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Tetrabromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Pentabromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Hexabromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Heptabromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Octabromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Nonabromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Decabromobiphenyl | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Sum of PBDEs | mg/kg | - | N.D. | - |
| Monobromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Dibromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Tribromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Tetrabromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Pentabromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Hexabromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Heptabromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Octabromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Nonabromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |
| Decabromodiphenyl ether | mg/kg | IEC 62321:2008, GC-MS | N.D. | 5 |

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Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. "-" = Not regulated

Halogen

| Test Item(s) | Unit | Test Method (Reference) | Result | MDL |
|---------------|-------|-------------------------|--------|-----|
| Fluorine (F) | mg/kg | BS EN 14582:2007, IC | N.D. | 50 |
| Chlorine (Cl) | mg/kg | BS EN 14582:2007, IC | 573 | 50 |
| Bromine (Br) | mg/kg | BS EN 14582:2007, IC | N.D. | 50 |
| Iodine (I) | mg/kg | BS EN 14582:2007, IC | N.D. | 50 |

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

PFOS (Perfluorooctane sulfonates)

| Test Item(s) | Unit | Test Method (Reference) | Result | MDL |
|-----------------------------------|-------|-------------------------|--------|-----|
| Perfluorooctane sulfonates (PFOS) | mg/kg | EPA 3550C: 2007, LC-MS | N.D. | 10 |
| PFOS Acid | | | | |
| PFOS Metal Salt | | | | |
| PFOS Amide | | | | |

Note:

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

For reference: Entry 53 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2006/122/EC):

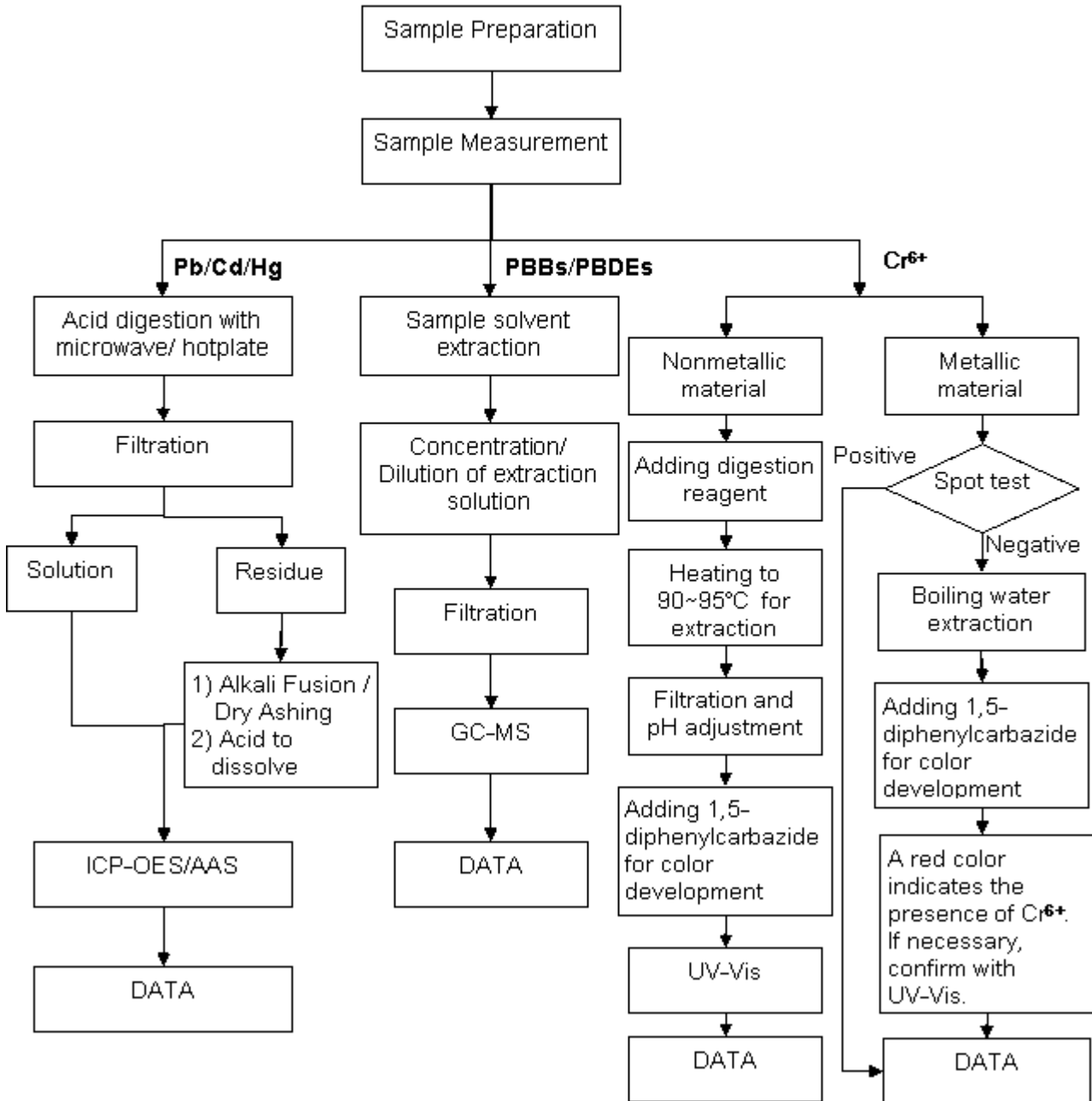
- (1) May not be placed on the market or used as a substance or constituent of preparations in a concentration equal to or higher than 0,005 % by mass.
- (2) May not be placed on the market in semi-finished products or articles, or parts thereof, if the concentration of PFOS is equal to or higher than 0,1 % by mass calculated with reference to the mass of structurally or microstructurally distinct parts that contain PFOS or, for textiles or other coated materials, if the amount of PFOS is equal to or higher than 1µg /m² of the coated material.

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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Bella Wang / Cutey Yu / Ross Zhan
- 2) Name of the person in charge of testing: Adams Yu / Ryan Yang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr6+ and PBBs/PBDEs test method excluded).

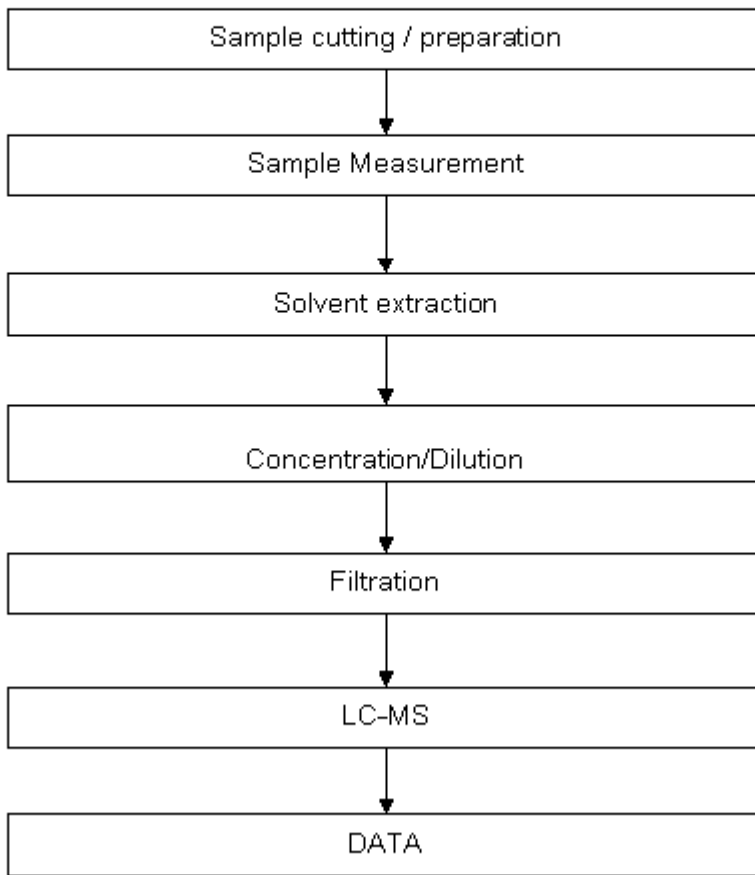


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ATTACHMENTS

PFOA / PFOS Testing Flow Chart

- 1) Name of the person who made testing: Cindy Huang
- 2) Name of the person in charge of testing: Ryan Yang

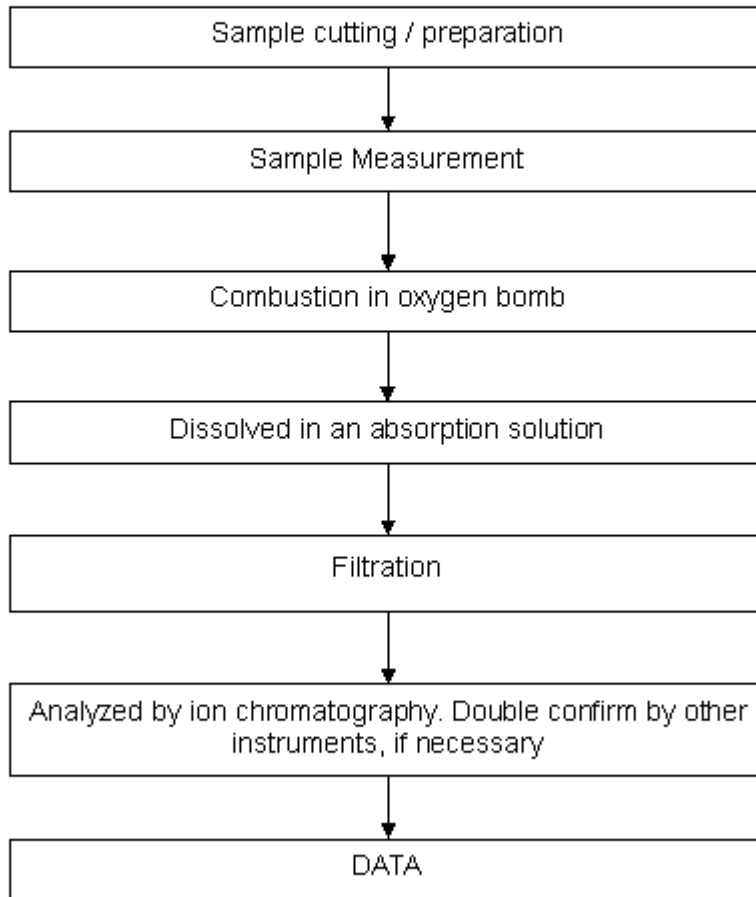


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ATTACHMENTS

Halogen Testing Flow Chart

- 1) Name of the person who made testing: Liang Wang
- 2) Name of the person in charge of testing: Michelle Song



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