

Test Report

No. : CE/2010/A1611

Date : 2010/10/15

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SHINKONG SYNTHETIC FIBERS CORPORATION
8F, NO. 123, SEC. 2, NANKING E. RD., TAIPEI, TAIWAN
TEL:+886-3-4932131 Ext 1732 FAX:+886-3-4915763



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

Sample Description : THERMOPLASTIC POLYESTER RESIN
Style/Item No. : SHINITE® PBT E202G30BK
Manufacturer/Vendor : SHINKONG SYNTHETIC FIBERS CORPORATION
Country of Origin : TAIWAN
Sample Receiving Date : 2010/10/11
Testing Period : 2010/10/11 TO 2010/10/14

=====
Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321: 2008
Procedures for the Determination of Levels of Regulated Substances in
Electrotechnical Products.
(1) Determination of Cadmium by ICP-AES.
(2) Determination of Lead by ICP-AES.
(3) Determination of Mercury by ICP-AES.
(4) Determination of Hexavalent Chromium by UV/Vis Spectrometry.
(5) Determination of PBB and PBDE by GC/MS.

Test Result(s) : Please refer to next page(s).



Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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Test results by chemical method (Unit: mg/kg)

| Test Item (s): | Method (Refer to) | Result | MDL |
|---|-------------------|--------|-----|
| | | No.1 | |
| Cadmium (Cd) | (1) | n.d. | 2 |
| Lead (Pb) | (2) | 8 | 2 |
| Mercury (Hg) | (3) | n.d. | 2 |
| Hexavalent Chromium Cr(VI) by alkaline extraction | (4) | n.d. | 2 |
| Sum of PBBs | (5) | n.d. | - |
| Monobromobiphenyl | | n.d. | 5 |
| Dibromobiphenyl | | n.d. | 5 |
| Tribromobiphenyl | | n.d. | 5 |
| Tetrabromobiphenyl | | n.d. | 5 |
| Pentabromobiphenyl | | n.d. | 5 |
| Hexabromobiphenyl | | n.d. | 5 |
| Heptabromobiphenyl | | n.d. | 5 |
| Octabromobiphenyl | | n.d. | 5 |
| Nonabromobiphenyl | | n.d. | 5 |
| Decabromobiphenyl | | n.d. | 5 |
| Sum of PBDEs | | n.d. | - |
| Monobromodiphenyl ether | | n.d. | 5 |
| Dibromodiphenyl ether | | n.d. | 5 |
| Tribromodiphenyl ether | | n.d. | 5 |
| Tetrabromodiphenyl ether | | n.d. | 5 |
| Pentabromodiphenyl ether | | n.d. | 5 |
| Hexabromodiphenyl ether | | n.d. | 5 |
| Heptabromodiphenyl ether | | n.d. | 5 |
| Octabromodiphenyl ether | | n.d. | 5 |
| Nonabromodiphenyl ether | | n.d. | 5 |
| Decabromodiphenyl ether | n.d. | 5 | |

TEST PART DESCRIPTION:

No.1 : BLACK PLASTIC PELLETS

Note :

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. "-" = Not Regulated
5. This report supersedes the previous document bearing the test report number CE/2010/A1611 which was issued on 2010/10/14.

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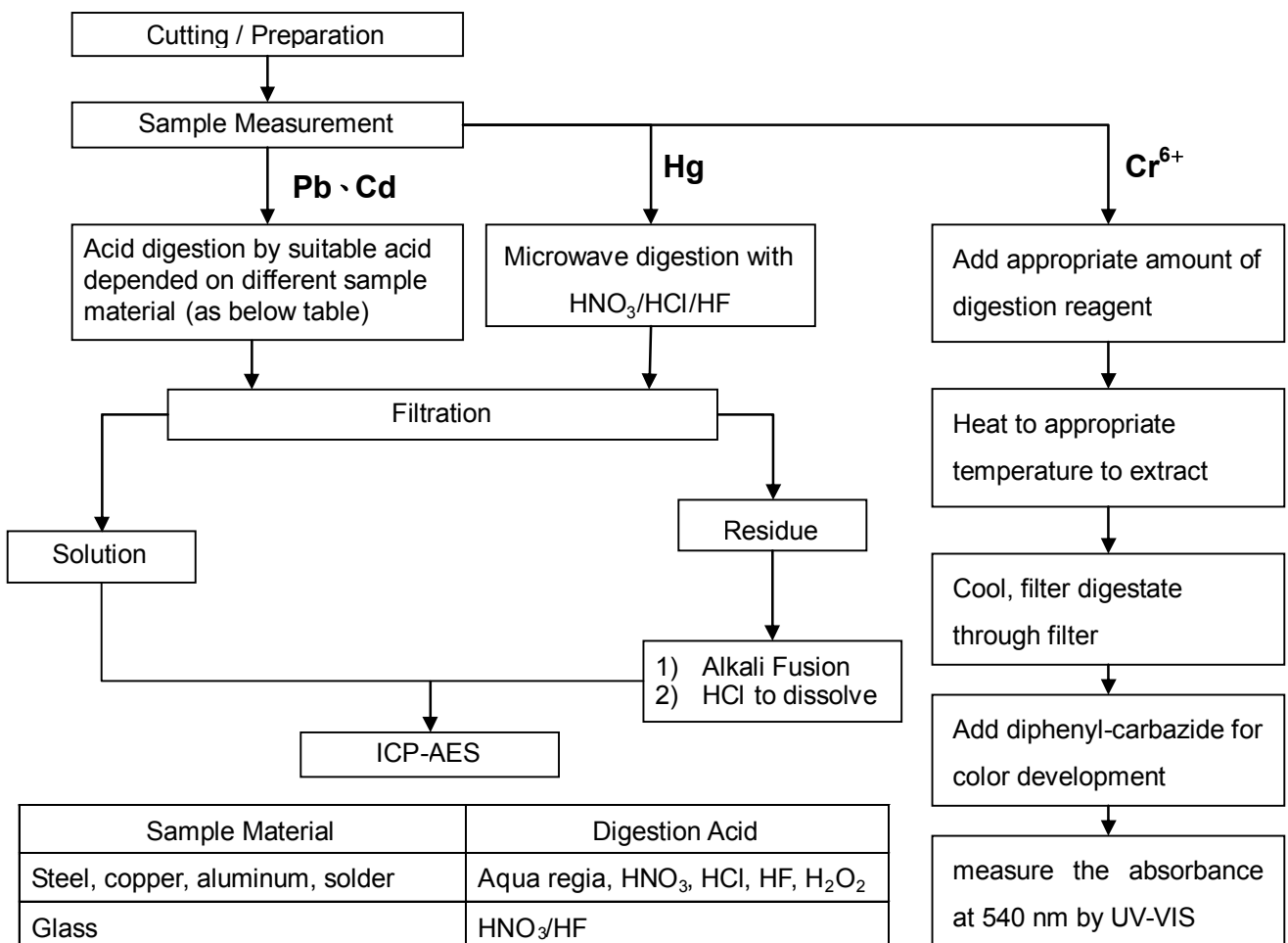
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
 (Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



| Sample Material | Digestion Acid |
|------------------------------------|---|
| Steel, copper, aluminum, solder | Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂ |
| Glass | HNO ₃ /HF |
| Gold, platinum, palladium, ceramic | Aqua regia |
| Silver | HNO ₃ |
| Plastic | H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl |
| Others | Any acid to total digestion |

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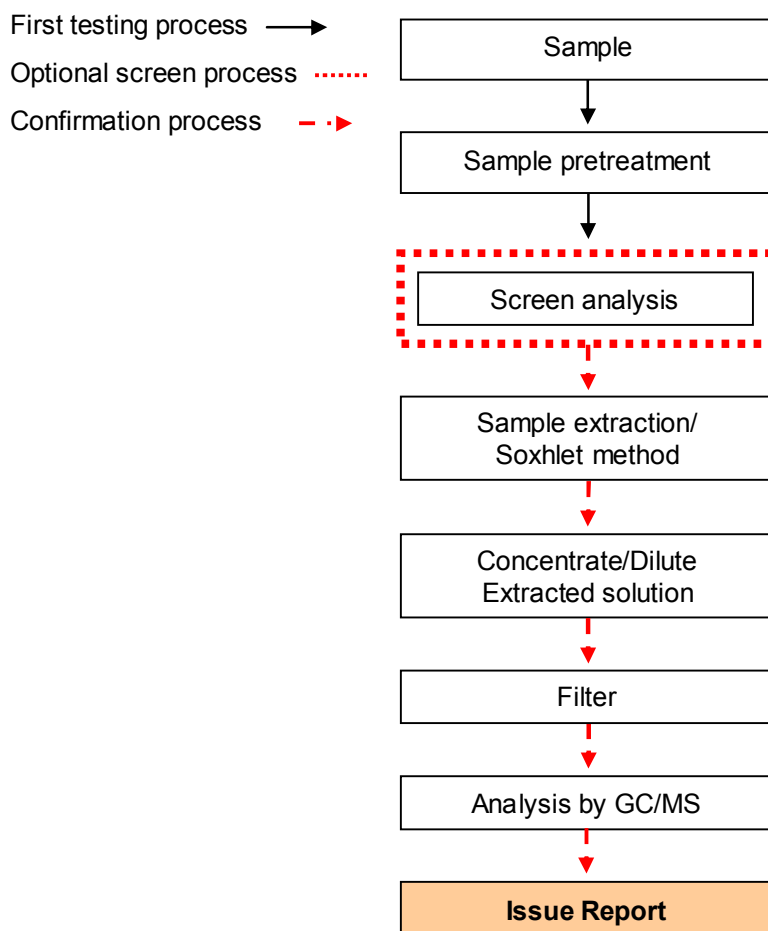
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PBB/PBDE analytical FLOW CHART

- 1) Name of the person who made measurement: Roman Wong
- 2) Name of the person in charge of measurement: Troy Chang



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** End of Report **

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