

Test Report

No. : CE/2009/62002A

Date : 2010/01/25

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BOURNS. INC
1200 COLUMBIA AVE., RIVERSIDE, CA92507-2114, USA



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

Sample Description : METAL FOIL CURRENT SENSING CHIP RESISTORS/METAL FOIL
HIGH POWER CURRENT SENSING RESISTORS
Style/Item No. : CRF/CRA ITEMS
Sample Receiving Date : 2009/06/08
Testing Period : 2009/06/08 TO 2009/06/12

=====
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) | n.d. | 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 : MIXED ALL PARTS

- Note :
1. mg/kg = ppm; 0.1wt% = 1000ppm
 2. n.d. = Not Detected
 3. MDL = Method Detection Limit
 4. "-" = Not Regulated
 5. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing.
The above result(s) was/were only given as the informality value.

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Test Report

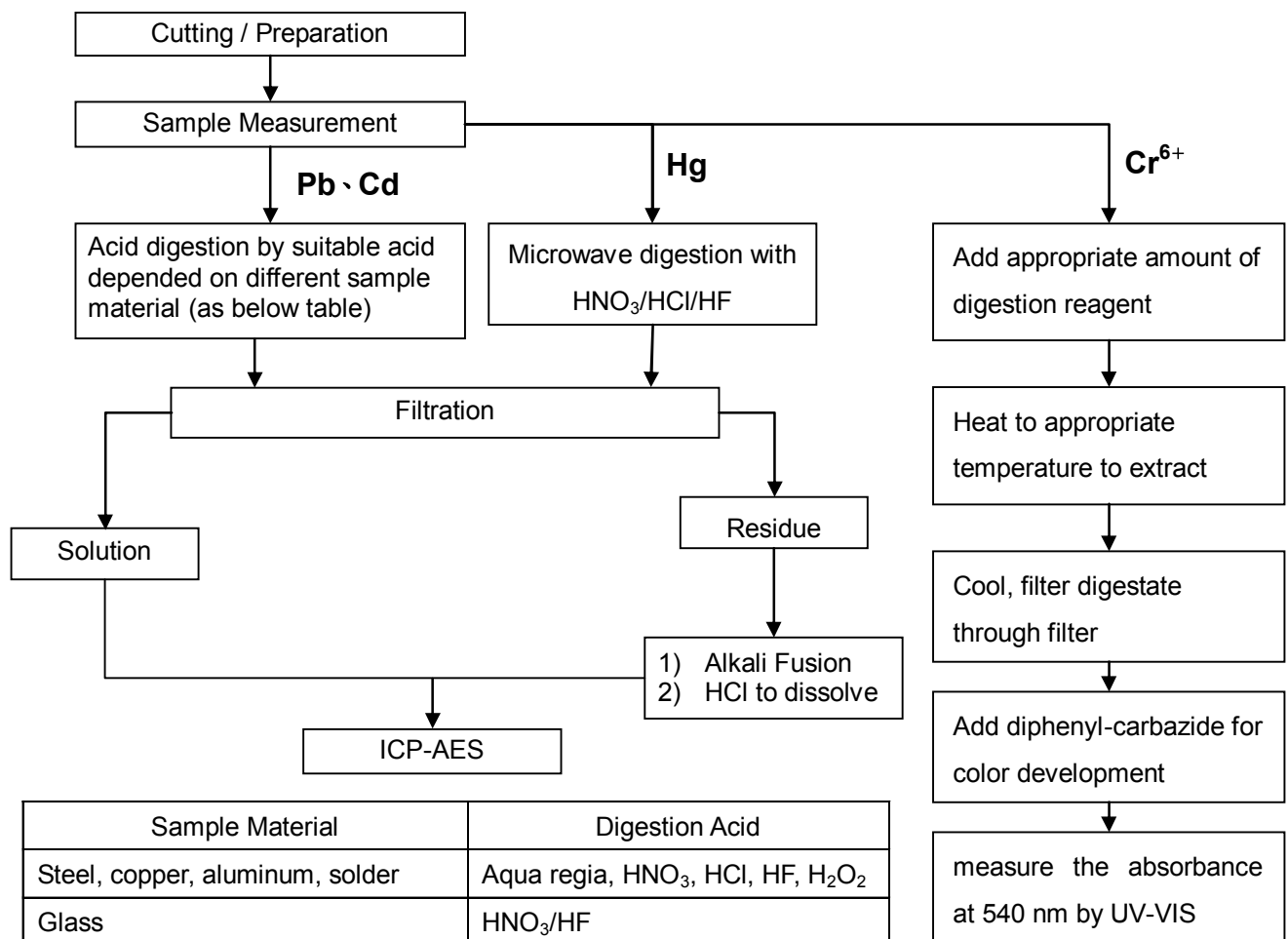
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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)
- 2) Name of the person who made measurement: Climbgreat Yang
- 3) Name of the person in charge of measurement: Troy Chang



| 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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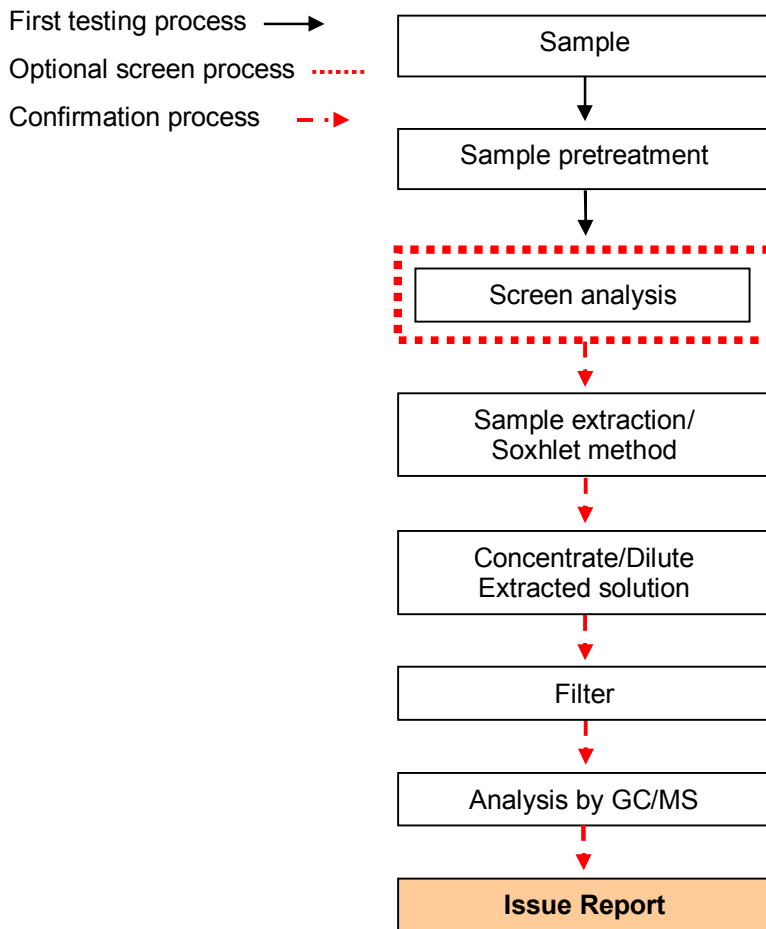
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PBB/PBDE analytical FLOW CHART

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



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** End of Report **

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