

Test Report

No. : CE/2007/36653C

Date : 2007/03/29

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TECHI COLOR INDUSTRIAL CO., LTD.
17-8, ALLEY 3, LANE 18, HO PING EAST. RD., SEC. 2, TAIPEI, TAIWAN



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

Sample Description : 1808
Style/Item No. : PIGMENT
Sample Receiving Date : 2007/03/22
Testing Period : 2007/03/22 TO 2007/03/29

=====

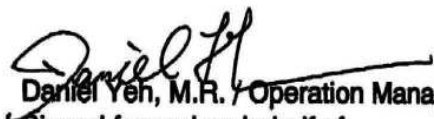
Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method :

- (1) With reference to IEC 62321, Ed.1 111/54/CDV - Section 11. Determination of Cadmium by ICP-AES.
- (2) With reference to IEC 62321, Ed.1 111/54/CDV - Section 11. Determination of Lead by ICP-AES.
- (3) With reference to IEC 62321, Ed.1 111/54/CDV - Section 10. Determination of Mercury by ICP-AES.
- (4) With reference to IEC 62321, Ed.1 111/54/CDV - Section 9. Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.
- (5) With reference to IEC 62321, Ed.1 111/54/CDV- Section 7. Determination of PBB and PBDE by GC/MS.

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

Conclusion : Based on the performed tests on submitted samples, the test results are **compliant with** the limits of RoHS Directive 2002/95/EC and its subsequent amendments.


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.

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

| Test Item (s): | Method (Refer to) | Result | MDL | RoHS Limit |
|---------------------------------------------------|----------------------|--------|-----|---------------|
| | | No.1 | | |
| Cadmium (Cd) | (1) | n.d. | 2 | 100 |
| Lead (Pb) | (2) | n.d. | 2 | 1000 |
| Mercury (Hg) | (3) | n.d. | 2 | 1000 |
| Hexavalent Chromium Cr(VI) by alkaline extraction | (4) | n.d. | 2 | 1000 |
| Sum of PBBs | (5) | n.d. | - | 1000 |
| 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 (Mono to Nona) (Note 4) | | n.d. | - | 1000 |
| Monobromobiphenyl ether | | n.d. | 5 | - |
| Dibromobiphenyl ether | | n.d. | 5 | - |
| Tribromobiphenyl ether | | n.d. | 5 | - |
| Tetrabromobiphenyl ether | | n.d. | 5 | - |
| Pentabromobiphenyl ether | | n.d. | 5 | - |
| Hexabromobiphenyl ether | | n.d. | 5 | - |
| Heptabromobiphenyl ether | | n.d. | 5 | - |
| Octabromobiphenyl ether | | n.d. | 5 | - |
| Nonabromobiphenyl ether | | n.d. | 5 | - |
| Decabromobiphenyl ether | | n.d. | 5 | - |
| Sum of PBDEs (Mono to Deca) | | n.d. | - | - |

TEST PART DESCRIPTION:

NO.1 : BLACK PIGMENT LUMP

Note : 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. According to 2005/717/EC DecaBDE is exempt.

5. "-" = Not Regulated

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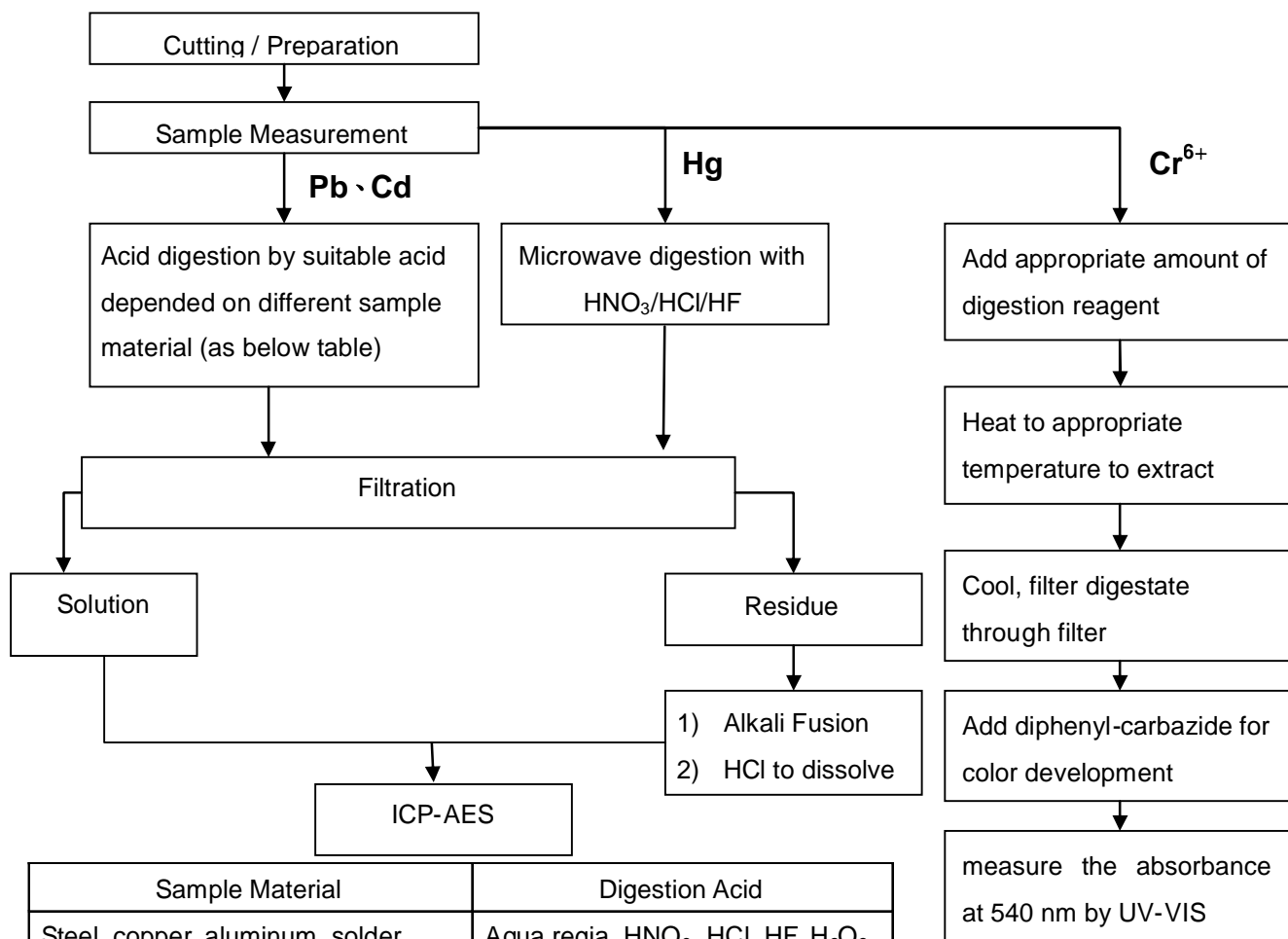


1) These samples were dissolved totally by pre-conditioning method according to below flow chart.

(Cr6+ test method excluded)

2) Name of the person who made measurement: Troy Chang

3) Name of the person in charge of measurement: Daniel Yeh



| 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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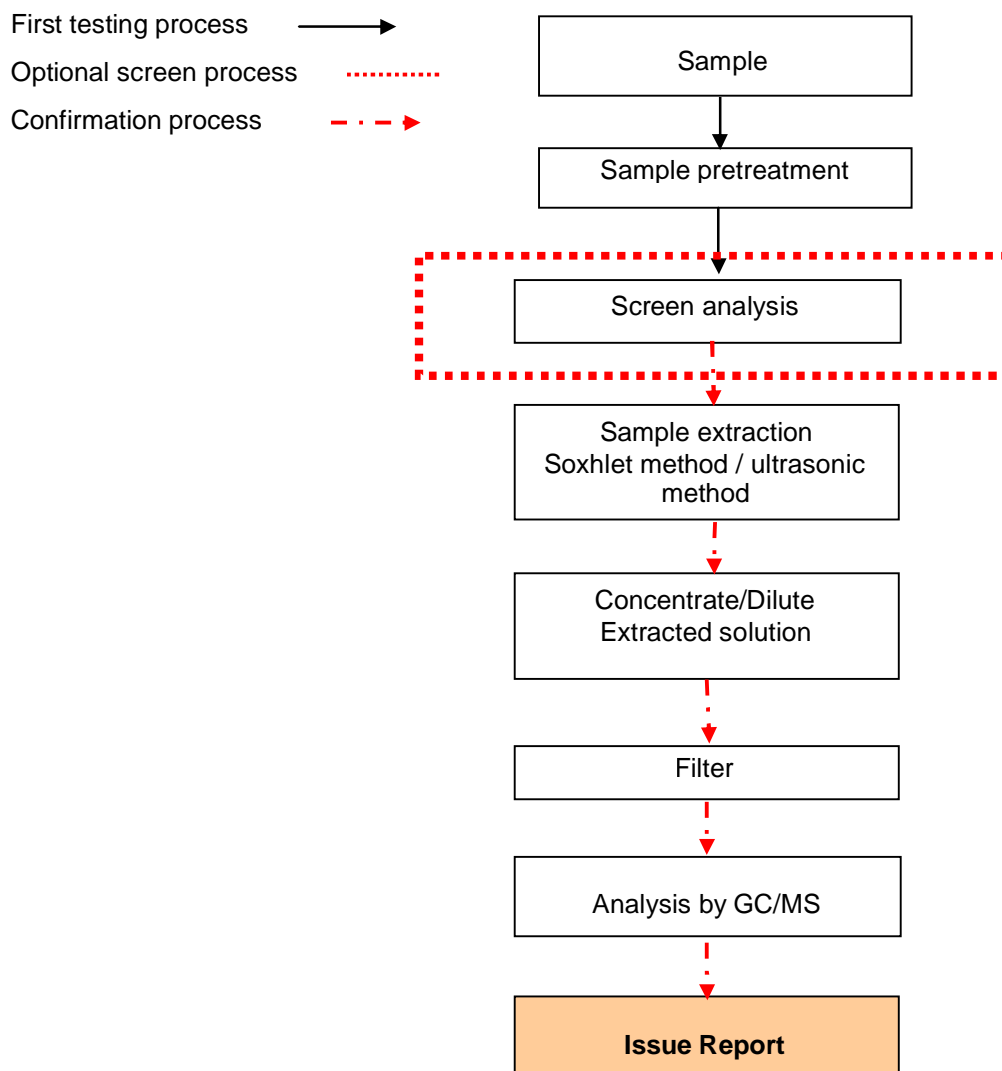
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PBB/PBDE analytical FLOW CHART



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** End of Report **