

## Test Report

No. : KE/2013/B1553

Date : 2013/11/19

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NEW PRISMATIC ENTERPRISE CO., LTD.

NO. 4, ALLEY 27, LANE 195, YUNG FENG RD., TU-CHENG DISTRICT, NEW TAIPEI CITY 236, TAIWAN

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

Sample Description : INVISIBLE FLUORESCENT DYE #111 BLUE  
Style/Item No. : BL-LO-111  
Lot No. : I130301-02  
Color : LIGHT GREEN  
Sample Receiving Date : 2013/11/14  
Testing Period : 2013/11/14 TO 2013/11/19  
Sample Submitted By : NEW PRISMATIC ENTERPRISE CO., LTD.

Test Requested : As specified by client, with reference to RoHS Directive 2011/65/EU Annex II to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the submitted sample.

Test Method : Please refer to next pages.

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

Conclusion : Based on the performed tests on submitted samples, the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

  
Ray Chang / Asst. Manager  
Signed for and on behalf of  
SGS Taiwan Limited  
Chemical Laboratory-Kaohsiung



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## Test Result(s)

PART NAME No.1 : LIGHT GREEN POWDER

| Test Item(s)               | Unit  | Method  | MDL | Result | Limit |
|----------------------------|-------|---|-----|--------|-------|
|                            |       |   |     | No.1   |       |
| Cadmium (Cd)               | mg/kg | With reference to IEC 62321-5: 2013 and performed by ICP-AES. | 2   | n.d.   | 100   |
| Lead (Pb)                  | mg/kg | With reference to IEC 62321-5: 2013 and performed by ICP-AES. | 2   | n.d.   | 1000  |
| Mercury (Hg)               | mg/kg | With reference to IEC 62321-4: 2013 and performed by ICP-AES. | 2   | n.d.   | 1000  |
| Hexavalent Chromium Cr(VI) | mg/kg | With reference to IEC 62321: 2008 and performed by UV-VIS.    | 2   | n.d.   | 1000  |
| <b>Sum of PBBs</b>         | mg/kg |   | -   | n.d.   | 1000  |
| Monobromobiphenyl          | mg/kg |   | 5   | n.d.   | -     |
| Dibromobiphenyl            | mg/kg |   | 5   | n.d.   | -     |
| Tribromobiphenyl           | mg/kg |   | 5   | n.d.   | -     |
| Tetrabromobiphenyl         | mg/kg |   | 5   | n.d.   | -     |
| Pentabromobiphenyl         | mg/kg |   | 5   | n.d.   | -     |
| Hexabromobiphenyl          | mg/kg |   | 5   | n.d.   | -     |
| Heptabromobiphenyl         | mg/kg |   | 5   | n.d.   | -     |
| Octabromobiphenyl          | mg/kg |   | 5   | n.d.   | -     |
| Nonabromobiphenyl          | mg/kg |   | 5   | n.d.   | -     |
| Decabromobiphenyl          | mg/kg | With reference to IEC 62321: 2008 and performed by GC/MS.     | 5   | n.d.   | -     |
| <b>Sum of PBDEs</b>        | mg/kg |   | -   | n.d.   | 1000  |
| Monobromodiphenyl ether    | mg/kg |   | 5   | n.d.   | -     |
| Dibromodiphenyl ether      | mg/kg |   | 5   | n.d.   | -     |
| Tribromodiphenyl ether     | mg/kg |   | 5   | n.d.   | -     |
| Tetrabromodiphenyl ether   | mg/kg |   | 5   | n.d.   | -     |
| Pentabromodiphenyl ether   | mg/kg |   | 5   | n.d.   | -     |
| Hexabromodiphenyl ether    | mg/kg |   | 5   | n.d.   | -     |
| Heptabromodiphenyl ether   | mg/kg |   | 5   | n.d.   | -     |
| Octabromodiphenyl ether    | mg/kg |   | 5   | n.d.   | -     |
| Nonabromodiphenyl ether    | mg/kg |   | 5   | n.d.   | -     |
| Decabromodiphenyl ether    | mg/kg |   | 5   | n.d.   | -     |

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### Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. n.d. = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated

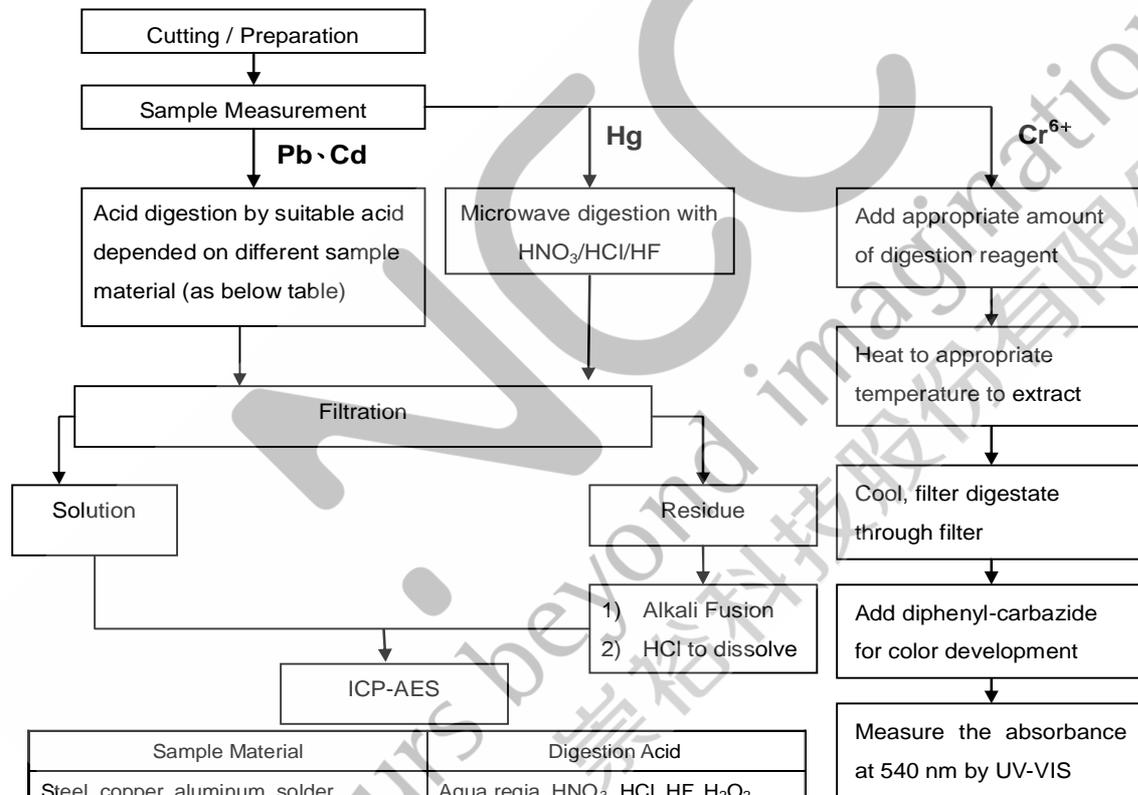


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- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> test method excluded)
- 2) Name of the person who made measurement: Alex Chang
- 3) Name of the person in charge of measurement: Ray Chang



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

**Note\*\* :** (1) For non-metallic material, add alkaline digestion reagent and heat to 90~95 °C.  
 (2) For metallic material, add pure water and heat to boiling.

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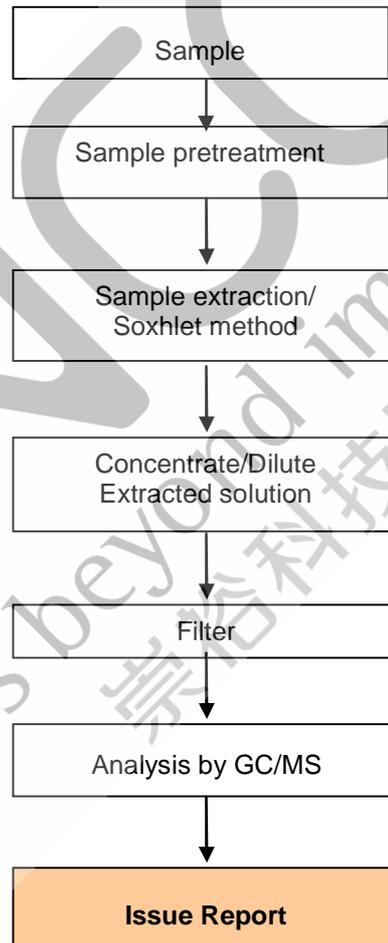
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### PBB/PBDE analytical FLOW CHART

1) Name of the person who made measurement: Anson Tsao

2) Name of the person in charge of measurement: Ray Chang



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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

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\*\* End of Report \*\*

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