

## Test Report

No. SHAEC1005078801

Date: 28 Apr 2010

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SHANGHAI RICHENG ELECTRONICS CO., LTD  
SHANGHAI OLD HUMIN ROAD CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : CABLE TIE

SGS Job No. : SP10-012166 - SH  
Composition : PA66  
Supplier : SOLUTIA  
Date of Sample Received : 23 Apr 2010  
Testing Period : 23 Apr 2010 - 28 Apr 2010  
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).  
Conclusion : Based on the performed tests on submitted samples, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of  
SGS-CSTC Ltd.



Liu Haipeng, Helen  
Report Reviewer

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### Test Results :

Test Part Description :

| Specimen No. | SGS Sample ID    | Description   |
|--------------|------------------|---------------|
| 1            | SHA10-050788.001 | White plastic |

## Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%  
 (2) MDL = Method Detection Limit  
 (3) ND = Not Detected ( < MDL )  
 (4) "-" = Not Regulated

## RoHS Directive 2002/95/EC

Test Method : With reference to IEC 62321:2008

- (1) Determination of Cadmium by ICP-OES.
- (2) Determination of Lead by ICP-OES.
- (3) Determination of Mercury by ICP-OES.
- (4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
- (5) Determination of PBBs / PBDEs content by GC-MS.

| <u>Test Item(s)</u>        | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u> |
|----------------------------|--------------|-------------|------------|------------|
| Cadmium (Cd)               | 100          | mg/kg       | 2          | ND         |
| Lead (Pb)                  | 1,000        | mg/kg       | 2          | ND         |
| Mercury (Hg)               | 1,000        | mg/kg       | 2          | ND         |
| Hexavalent Chromium (CrVI) | 1,000        | mg/kg       | 2          | ND         |
| Sum of PBBs                | 1,000        | mg/kg       | -          | ND         |
| Monobromobiphenyl          | -            | mg/kg       | 5          | ND         |
| Dibromobiphenyl            | -            | mg/kg       | 5          | ND         |
| Tribromobiphenyl           | -            | mg/kg       | 5          | ND         |
| Tetrabromobiphenyl         | -            | mg/kg       | 5          | ND         |
| Pentabromobiphenyl         | -            | mg/kg       | 5          | ND         |
| Hexabromobiphenyl          | -            | mg/kg       | 5          | ND         |
| Heptabromobiphenyl         | -            | mg/kg       | 5          | ND         |
| Octabromobiphenyl          | -            | mg/kg       | 5          | ND         |
| Nonabromobiphenyl          | -            | mg/kg       | 5          | ND         |
| Decabromobiphenyl          | -            | mg/kg       | 5          | ND         |
| Sum of PBDEs               | 1,000        | mg/kg       | -          | ND         |
| Monobromodiphenyl ether    | -            | mg/kg       | 5          | ND         |

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| <u>Test Item(s)</u>      | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u> |
|--------------------------|--------------|-------------|------------|------------|
| Dibromodiphenyl ether    | -            | mg/kg       | 5          | ND         |
| Tribromodiphenyl ether   | -            | mg/kg       | 5          | ND         |
| Tetrabromodiphenyl ether | -            | mg/kg       | 5          | ND         |
| Pentabromodiphenyl ether | -            | mg/kg       | 5          | ND         |
| Hexabromodiphenyl ether  | -            | mg/kg       | 5          | ND         |
| Heptabromodiphenyl ether | -            | mg/kg       | 5          | ND         |
| Octabromodiphenyl ether  | -            | mg/kg       | 5          | ND         |
| Nonabromodiphenyl ether  | -            | mg/kg       | 5          | ND         |
| Decabromodiphenyl ether  | -            | mg/kg       | 5          | ND         |

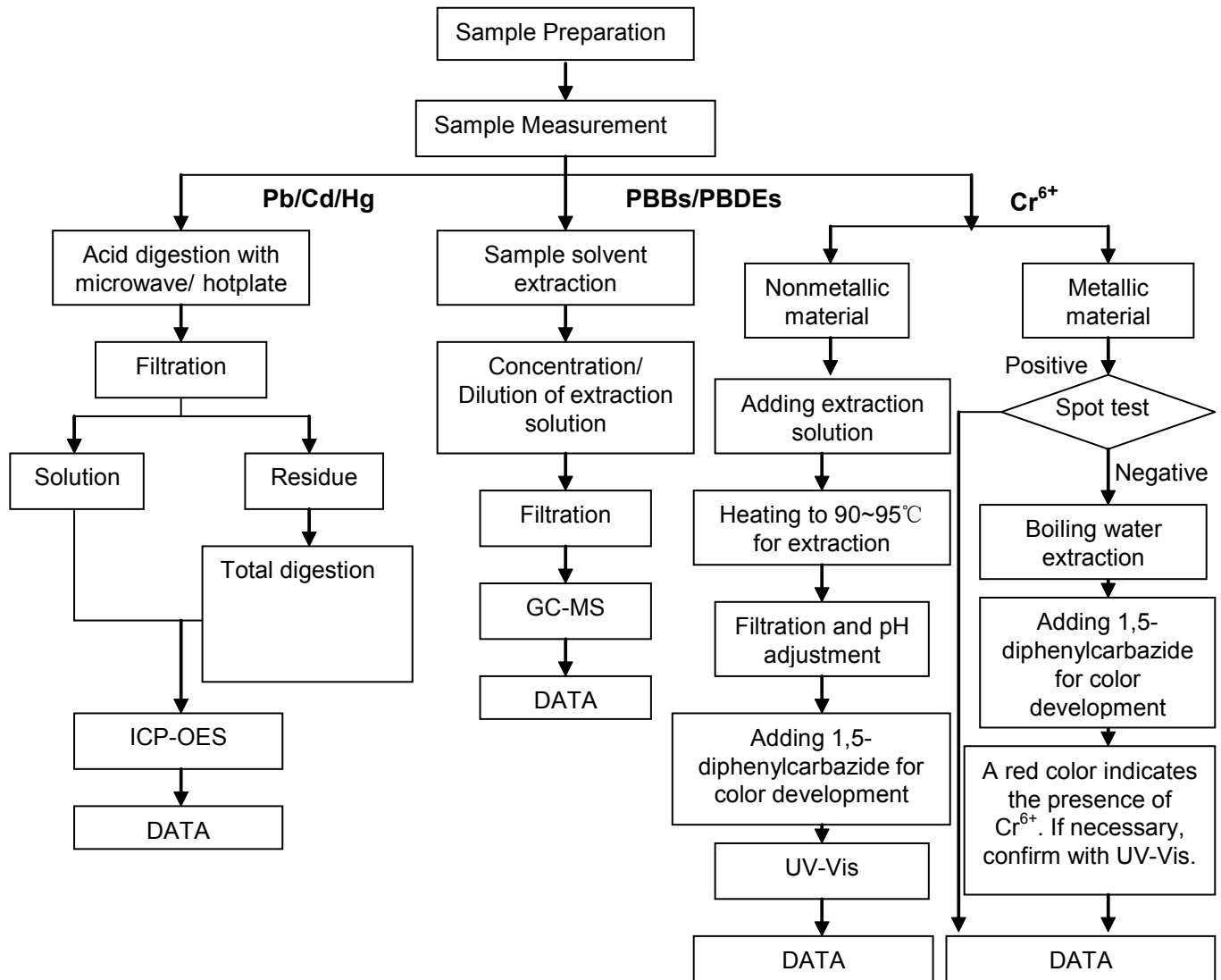
### Notes :

- (1) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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### ATTACHMENTS

- 1) Name of the person who made measurement: Allan Xiao/Spring Zuo/Frank Fang/ Elim Lin
- 2) Name of the person in charge of measurement: Terry Wang/Phoebe Shen
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart.  
(Cr<sup>6+</sup> and PBBs/PBDEs test method excluded)



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