

## Test Report


MERCURY ELECTRONIC IND. CO., LTD.  
31, TING-PING RD., SHUI-FONG IND. PARK SHUI-FONG,  
TAIPEI-SIAN, TAIWAN

Report No. : CE/2005/A2141  
Date : 2005/10/19  
Page : 1 of 4

**The following merchandise was (were) submitted and identified by the client as :**

Type of Product : DIP TYPE CRYSTAL UNITS.  
Style/Item No : H49G, H49TG, HUSG, HUSLG, U1G, U1SLG, U5G,  
T38G, T39G, T310G, T26G, T26MJG, MS4G  
Sample Received : 2005/10/12  
Testing Date : 2005/10/12 TO 2005/10/19

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Test Result : - Please see the next page -

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

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Date : 2005/10/19  
Page : 2 of 4

## Test Result

PART NAME NO.1 : MIXED ALL PARTS (PLEASE REFER TO THE PHOTO ATTACHED)

| Test Item (s):  | Unit | Method  | MDL    | Result |
|---|------|---|--------|--------|
|   |      |   |        | No.1   |
| Monobromobiphenyl   | %    | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D.   |
| Dibromobiphenyl   | %    |   | 0.0005 | N.D.   |
| Tribromobiphenyl  | %    |   | 0.0005 | N.D.   |
| Tetrabromobiphenyl  | %    |   | 0.0005 | N.D.   |
| Pentabromobiphenyl  | %    |   | 0.0005 | N.D.   |
| Hexabromobiphenyl   | %    |   | 0.0005 | N.D.   |
| Heptabromobiphenyl  | %    |   | 0.0005 | N.D.   |
| Octabromobiphenyl   | %    |   | 0.0005 | N.D.   |
| Nonabromobiphenyl   | %    |   | 0.0005 | N.D.   |
| Decabromobiphenyl   | %    |   | 0.0005 | N.D.   |
| <b>Total PBBs (Polybrominated biphenyls)/ Sum of above</b>              | %    |   | -      | N.D.   |
| Monobromobiphenyl ether   | %    | With reference to USEPA3540C or USEPA3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC) | 0.0005 | N.D.   |
| Dibromobiphenyl ether   | %    |   | 0.0005 | N.D.   |
| Tribromobiphenyl ether  | %    |   | 0.0005 | N.D.   |
| Tetrabromobiphenyl ether  | %    |   | 0.0005 | N.D.   |
| Pentabromobiphenyl ether  | %    |   | 0.0005 | N.D.   |
| Hexabromobiphenyl ether   | %    |   | 0.0005 | N.D.   |
| Heptabromobiphenyl ether  | %    |   | 0.0005 | N.D.   |
| Octabromobiphenyl ether   | %    |   | 0.0005 | N.D.   |
| Nonabromobiphenyl ether   | %    |   | 0.0005 | N.D.   |
| Decabromobiphenyl ether   | %    |   | 0.0005 | N.D.   |
| <b>Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above</b> | %    |   | -      | N.D.   |



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Date : 2005/10/19  
Page : 3 of 4

| Test Item (s):     | Unit | Method   | MDL | Result |
|--------------------|------|--|-----|--------|
|                    |      |  |     | No. 1  |
| Chromium VI (Cr+6) | ppm  | UV-VIS after reference to US EPA 3060A.                                    | 2   | N.D.   |
| Cadmium (Cd)       | ppm  | ICP-AES after reference to EN 1122, method B:2001 or other acid digestion. | 2   | N.D.   |
| Mercury (Hg)       | ppm  | ICP-AES after reference to US EPA 3052 or other acid digestion.            | 2   | N.D.   |
| Lead (Pb)          | ppm  | ICP-AES after reference to US EPA 3050B or other acid digestion.           | 2   | 293.3  |

NOTE: (1) N.D. = Not detected (<MDL)  
(2) ppm = mg/kg  
(3) MDL = Method Detection Limit  
(4) " - " = No Regulation

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Page : 4 of 4

