

# Test Report

ARIMA OPTOELECTRONICS CORP.  
7 TH, NO. 349 SEC. 2, RENHE ROAD, DASHI, TAOYUAN,  
TAIWAN, R. O. C.

Report No. : CE/2006/26117  
Date : 2006/03/03  
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**The following merchandise was (were) submitted and identified by the client as :**

Type of Product : LASER DIODE  
Sample Received : 2006/02/23  
Testing Date : 2006/02/23 TO 2006/03/03

=====  
**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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## Test Result

PART NAME NO.1 : MIXED ALL PARTS

| 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.   |
| <b>Total of Mono to Nona-brominated biphenyl ether. (Note 4)</b>        | %    |   | -      | N.D.   |

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| 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   | 6679.9 |

- NOTE: (1) N.D. = Not detected (<MDL)  
 (2) ppm = mg/kg  
 (3) MDL = Method Detection Limit  
 (4) Decabromodiphenyl ether (DecaBDE) in polymeric applications is exempted by Commission Decision of 13 Oct 2005 amending Directive 2002/95/EC notified under document 2005/717/EC.  
 (5) PBBEs=PBDEs=Polybrominated Diphenyl Ethers=PBDOs=PBBOs.  
 (6) " - " = Not Regulation

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