

# Test Report

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BOURNS ELECTRONICS (TAIWAN) LTD.  
1, KUNG 6TH ROAD, INDUSTRIAL ZONE II, LIN-KOU SHIANG, TAIPEI  
HSIEN, TAIWAN



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

Sample Description : BOURNS MULTIFUSE  
Style/Item No. : MF-USMF005, 010, 020, 035, 050, 075, 110, 150, 175 & 200  
Buyer/Order No. : BOURNS XIAMEN  
Sample Receiving Date : 2007/05/29  
Testing Period : 2007/05/29 TO 2007/06/05

=====  
**Test Requested** : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.  
  
**Test Method** : With reference to IEC 62321, Ed.1 111/54/CDV  
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.  
(1) Determination of Cadmium by ICP-AES.  
(2) Determination of Lead by ICP-AES.  
(3) Determination of Mercury by ICP-AES.  
(4) Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.  
(5) Determination of PBB and PBDE by GC/MS.  
  
**Test Result(s)** : Please refer to next page(s).

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<br>(Refer to) | Result | MDL |
|---|----------------------|--------|-----|
|   |                      | No.1   |     |
| Cadmium (Cd)                                      | (1)                  | n.d.   | 2   |
| Lead (Pb)   | (2)                  | 21     | 2   |
| Mercury (Hg)                                      | (3)                  | n.d.   | 2   |
| Hexavalent Chromium Cr(VI) by alkaline extraction | (4)                  | n.d.   | 2   |
| <b>Sum of PBBs</b>                                | (5)                  | n.d.   | -   |
| 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   |
| <b>Sum of PBDEs (Mono to Nona) (Note 4)</b>       |                      | n.d.   | -   |
| 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      |     |
| <b>Sum of PBDEs (Mono to Deca)</b>                | n.d.                 | -      |     |

## TEST PART DESCRIPTION:

NO.1 : BOURNS MULTIFUSE

- 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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