

Test Report

BOURNS, INC.
1200 COLUMBIA AVE. RIVERSIDE, CA 92507 USA

Report No. : CE/2006/53061A
Date : 2006/11/23
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The following merchandise was (were) submitted and identified by the client as :

Type of Product : CDNBS04 SERIES
Style/Item No : SOIC SMT PACKAGE
Sample Received : 2006/05/11
Testing Date : 2006/05/11 TO 2006/05/18

=====
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 OF BODY
PART NAME NO.2 : SILVER COLORED METAL PIN
PART NAME NO.3 : BLACK PLASTIC BODY WITHOUT SOLDER PASTE & DIE

| Test Item (s): | Unit | Method | MDL | Result | | |
|---|------|---|--------|--------|------|------|
| | | | | No.1 | No.2 | No.3 |
| 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. | --- | --- |
| Total PBBs (Polybrominated biphenyls)/Sum of above | % | | - | 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. | --- | --- |
| Total PBBEs(PBDEs) (Polybrominated biphenyl ethers)/Sum of above | % | | - | N.D. | --- | --- |
| Total of Mono to Nonabrominated biphenyl ether. (Note 4) | % | - | N.D. | --- | --- | |

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| Test Item (s): | Unit | Method | MDL | Result | | |
|--------------------|------|--|-----|---------|------|------|
| | | | | No.1 | No.2 | No.3 |
| Chromium VI (Cr+6) | ppm | UV-VIS(US EPA 7196A) after reference to US EPA 3060A. | 2 | N.D. | N.D. | --- |
| Cadmium (Cd) | ppm | ICP-AES after reference to EN 1122, method B:2001 or other acid digestion. | 2 | N.D. | N.D. | --- |
| Mercury (Hg) | ppm | ICP-AES after reference to US EPA 3052 or other acid digestion. | 2 | N.D. | N.D. | --- |
| Lead (Pb) | ppm | ICP-AES after reference to US EPA 3050B or other acid digestion. | 2 | 28940.8 | 12.8 | 70.8 |

- NOTE: (1) N.D. = Not detected (<MDL)
 (2) ppm = mg/kg
 (3) MDL = Method Detection Limit
 (4) Decabromobiphenyl 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
 (7) " --- " = Not Applicable

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