



No. LPCI/20763/07 CTS Ref. CTS/07/5096/Avago

Date : 2007/10/26

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AVAGO TECHNOLOGIES MANUFACTURING (SINGAPORE) PTE. LTD. **1 YISHUN AVENUE 7 SINGAPORE 768923**

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

| Sample Description Part Numbers Sample Receiving Date Testing Period | : | Fiber Optic Transceiver (HFBR-5984LZ) HFBR-59L1xxxZ, HFBR-5911xxZ, HFBR-5963xxZ, HFBR-5961xxZ, HFBR-5921LZ. 2007/10/25 2007/10/25 To 2007/10/26 |
|---|---|---|
| Test Requested | : | In accordance with the RoHS Directive 2002/95/EC, and its amendment directives. |
| Test Method | : | (1) With reference to BS EN 1122:2001, Method B for Cadmium Content. Analysis was performed by ICP (2) With reference to EPA Method 3050B for Lead Content. Analysis was performed by ICP (3) With reference to EPA Method 3052 for Mercury Content. Analysis was performed by ICP (4) With reference to EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrophotometry. (5) With reference to EPA Method 3540C/3550B for PBB / PBDE Content. Analysis was performed by GC/MS. |
| Test Results | : | Please refer to next page. |
| Analysts | : | Lim Meng Hoe & Jocelyn Christmas |

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Test results by chemical method (Unit: mg/kg)

| Test Item(s): | Method (refer to) | Result | MDL |
|---|-------------------|--------|-----|
| Cadmium(Cd) | (1) | N.D. | 2 |
| Lead (Pb) | (2) | N.D. | 2 |
| Mercury (Hg) | (3) | N.D. | 2 |
| Hexavalent Chromium (CrVI) by alkaline extraction | (4) | N.D. | 2 |
| Sum of Polybrominated Biphenyl (PBBs) | (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 |
| Sum of Polybrominated Diphenylethers (PBDEs) | | N.D. | - |
| Monobromodiphenyl ether | | N.D. | 5 |
| Dibromodiphenyl ether | | N.D. | 5 |
| Tribromodiphenyl ether | | N.D. | 5 |
| Tetrabromodiphenyl ether | | N.D. | 5 |
| Pentabromodiphenyl ether | | N.D. | 5 |
| Hexabromodiphenyl ether | | N.D. | 5 |
| Heptabromodiphenyl ether | | N.D. | 5 |
| Octabromodiphenyl ether | | N.D. | 5 |
| Nonabromodiphenyl ether | | N.D. | 5 |
| Decabromodiphenyl ether | | N.D. | 5 |

<u>Test Part Description</u> : As per page 3

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| Test Report | No. LPCI/20763/07 CTS Ref. CTS/07/5096/Avago | Date : 2007/10/26 | Page: 3 of 4 |
|-------------------------|---|-------------------|--------------|
| Test Part Description : | | | |
| Sample Description | · Eibor Optic Transcoivor | | |

| Sample Description | : | Fiber Optic Transceiver (HFBR-5984LZ) |
|--------------------|---|--|
| Part Numbers | : | HFBR-59L1xxxZ, HFBR-5911xxZ, HFBR-5963xxZ, |
| | | HFBR-5961xxZ, HFBR-5921LZ. |

Note : (a) mg/kg = ppm

(b) N.D. = Not Detected

(c) MDL = Method Detection Limit

(d) The above result based on composite testing as per request by client.

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