

## RoHS Certificate

Lumics GmbH hereby declares and certifies that all components manufactured are RoHS compliant according to the definitions and restrictions given by The European Parliament (Directive 2002/95/EC) and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, except as those noted below.\* The directive provides guidelines to restrict the use of hazardous substances in the material composition of the components we supply throughout the supply chain and Lumics GmbH hereby states that any of the following list of banned substances are not in any part of the components we supply except as noted.

- |  |  |
|--|--|
| 1. Lead (Pb) 0.1% (No. 5 in the annex)** | 4. Hexavalent Chromium (Cr+6) 0.1%       |
| 2. Mercury (Hg) 0.1%                     | 5. Polybrominated Biphenyls (PBB) 0.1%   |
| 3. Cadmium (Cd) 0.01%                    | 6. Polybrominated Biphenyl Ethers (PBDE) |

These include all product categories as follows:

1. Fiber coupled single mode laser modules	
Art. No.	Description
LU08xxMxxx-1xxxxxx	Laser Module, 14 BTF, 800nm to 850nm
LU09xxMxxx-1xxxxxx	Laser Module, 14 BTF, 900nm to 1000nm
LU09xxMxxx-1xxxxxx	Laser Module, Mini DIL, 900nm to 1000nm
LU1xxxMxxx-1xxxxxx	Laser Module, 14 BTF, 1000nm to 1100nm

2. Fiber coupled multi mode laser modules	
Art. No.	Description
14-pin BTF fiber coupled modules	
LU08xxM0xx-1xxxxxx	Laser Module, 14 BTF, 800nm - 850nm
LU09xxM0xx-1xxxxxx	Laser Module, 14 BTF, 900 - 1000nm

TO220 fiber coupled modules	
Art. No.	Description
LU08xxTxxx-1xxxxxx	Laser Module, TO-220, 800nm - 850nm
LU09xxTxxx-1xxxxxx	Laser Module, TO-220, 900nm -1000nm

3. Combined laser diode modules	
Art. No.	Description
Aircooled fiber coupled module	
LU08xxCxxx-1xxxxxx	Combined Laser Module, 800 - 850nm
LU09xxCxxx-1xxxxxx	Combined Laser Module, 900 - 1000nm

4. Broad area laser chip on Q-mount	
Art. No.	Description
LU08xxlxxx-xxxx	Laser Chip On Carrier, 800nm - 850nm
LU09xxlxxx-xxxx	Laser Chip On Carrier, 900nm - 1000nm

5. Single mode laser chip on submount	
Art. No.	Description
LU0xxxSxxx-xxxx	Laser Chip on Submount, 800nm 1100nm

The X values equal any combination of numbers or letters that define the wavelength, optical output power and spectral line width. All the products listed above are made in accordance to the RoHS directive which states that:

\*\* "A maximum concentration of 0.1% by weight in homogenous materials for lead shall be tolerated." Lead in glass and ceramics is exempt per No. 5 of the RoHS annex."

Prepared by:

Dr. Karl Eberl  
Lumics GmbH

Lumics RoHS doc. 060409-01

Effective date of this document: Nov 10, 2005

**Lumics**  
Devices for Optical Systems

Lumics GmbH  
Carl-Scheele-Str. 16 - 12489 Berlin / Germany  
Tel: +49. (0)30. 6 78 06 76 - 0  
Fax: +49. (0)30. 6 78 06 76 - 26  
www.lumics.com

