

## RoHS 2 Certificate

Lumics GmbH hereby declares and certifies that all listed product categories manufactured are RoHS 2 compliant according to the definitions and restrictions given by (Directive 2011/65/EU) of the European Parliament and of the Council of Juni 8, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment. The directive provides guidelines to restrict the use of hazardous substances in the material composition of the homogeneous materials used in the manufacturing process and Lumics GmbH hereby states that the weight percentage of the following list of banned substances in homogeneous materials used in the listed product categories is less than the given values in the following list (exception are noted).

- |  |   |
|--|---|
| 1. Lead (Pb) 0.1% (exception No. 7a annex III**) | 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) 0.1% |
| 7. Bis(2-ethylhexyl)phthalat (DEHP), 0,1 %       | 8. Benzylbutylphthalat (BBP), 0,1 %           |
| 9. Dibutylphthalat (DBP), 0,1 %                  | 10. Diisobutylphthalat (DIBP), 0,1 %          |

Product categories which are RoHS 2 compliant:

1. All single mode fiber pigtailed butterfly and mini DIL products as well as all single mode laser diode on submount listed under  
<http://www.lumics.com/products/singlemode-diode-laser/>  
contain zero weight percentage of materials named by 1 - 10
2. All multi mode fiber pigtailed TO modules as well as all multi mode laser diode on submount listed under  
<http://www.lumics.com/products/multimode-diode-laser/>  
contain <0.1% (0%) weight percentage of materials named by 1 (2-10)
3. All multi mode fiber coupled modules (Series LuOcean) listed under  
<http://www.lumics.com/products/diode-laser-systems/>  
contain <0.1% (0%) weight percentage of materials named by 1 (2-10)

\*\* Exception: Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)."

Prepared by:



Dr. Nils Kirstaedter  
CEO  
Lumics GmbH

Effective date of this document: August 09, 2016