

To Ibsen customers

Farum, February 20, 2024

Certificate of Compliance – RoHS and REACH Declaration

This declaration is to certify that the following list of grating and spectrometer products supplied by Ibsen Photonics A/S are EU RoHS 3 and REACH compliant:

All Ibsen Fused silica transmission grating components, including

- PING gratings
 - PCG gratings
 - Spectrometer gratings
 - Phase masks
 - All of the above in both standard and custom variants
- All Ibsen spectrograph modules, including modules for
 - I-MON FBG Sensing System Interrogation monitors
 - OEM spectrometers

Specifically we certify that the above products meet the requirements of EU RoHS 3 (Directives 2011/65 and 2015/863), and thus do not contain, or do not contain more than the specified limits, of any of the EU RoHS 3 restricted substances:

- | | |
|----------------------------------|--|
| • Lead (Pb) | • Polybrominated Diphenylethers (PBDE) |
| • Mercury (Hg) | • Bis(2-Ethylhexyl) phthalate (DEHP) |
| • Cadmium (Cd) | • Benzyl butyl phthalate (BBP) |
| • Hexavalent Chromium (Cr6+) | • Dibutyl phthalate (DBP) |
| • Polybrominated Biphenyls (PBB) | • Diisobutyl phthalate (DIBP) |

Further we certify that the above products do not release any substances under normal or reasonably foreseeable conditions of use, and do not contain, in a concentration above 0.1% weight-by-weight (w/w), any of the REACH Substances of Very High Concern (SVHC), specified in the Candidate list published by ECHA (European Chemical Agency) on their website <https://echa.europa.eu>, and latest updated on 23rd of January, 2024 by decision D(2023)8585-DC.



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