

To Ibsen customers

Farum, July 16, 2020

**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:

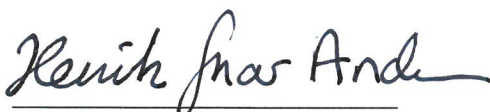
All Ibsen Fused silica transmission grating components, including

- 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)
- Mercury (Hg)
- Cadmium (Cd)
- Hexavalent Chromium (Cr6+)
- Polybrominated Biphenyls (PBB)
- Polybrominated Diphenylethers (PBDE)
- Bis(2-Ethylhexyl) phthalate (DEHP)
- Benzyl butyl phthalate (BBP)
- Dibutyl phthalate (DBP)
- 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 25 June 2020 by decision D(2020)4578-DC.



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