

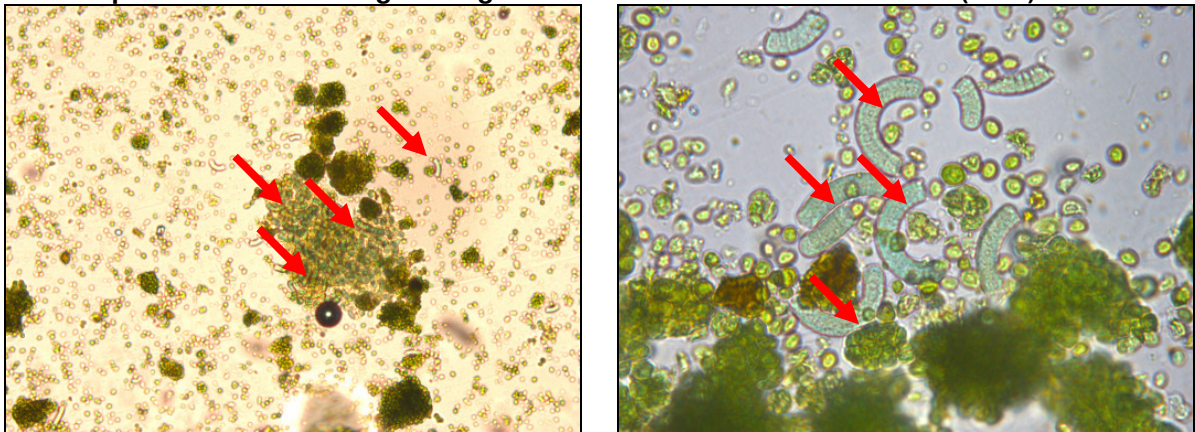


Quality algae from the Altmark region

Free from contamination with blue-green algae and their toxins

Microalgae are cultivated in what is known as aquacultures. Undesirable accompanying flora such as blue-green algae cannot always be eliminated from open systems (pond cultures in South East Asia and the USA). Many blue-green algae are known to be toxicogenic. Organ damage (particularly to the liver) can occur if products contaminated in this way are consumed regularly. Blue-green algae can be detected directly by subjecting products to microscopic examination and/or by evidence of appropriate toxins (e.g. microcystin). Unfortunately most suppliers (still?) do not carry out these tests. ALGOMED® is manufactured in a closed system of glass tubes. Consequently contamination with blue-green algae is prevented. Nevertheless microscopic checks are performed regularly and the products are tested for blue-green algal toxins.

Microscopic evidence of blue-green algal contamination in Chlorella tablets (2007):



Microscopic images of pulverised Chlorella tablets (here: "Chlorella" produced in China (not declared!), distributed throughout Germany and Europe, claimed to be 100% ecologically cultivated Chlorella); left: 100 x magnification and right: 400 x magnification, the arrows point to the blue-green algal contamination in this Chlorella sample; (microcystins were detected).

Microcystins detected in algal products using MALDI-TOF mass spectrometry:

