



Water Treatability

Arcadis Labors and aQuaTox-Solutions

Struggling with data on water treatment processes for your product?
In need of advice regarding the treatability of your lead substances?

Arcadis und aQuaTox-Solutions have entered into a strategic partnership in order to offer their clients a comprehensive array of services. A situation analysis will be drawn based on tests of raw and waste water towards their ecotoxicological potential. The different water treatability processes can be tested separately or can be combined according to specific client needs. The suitability of these processes will be evaluated by means of analytical determination of the lead substance(s) and ecotoxicological tests. Subsequently, an assessment will be made and recommendations will be given.

The partnership between Arcadis and aQuaTox-Solutions enables us to offer extensive experience in process evaluation, target specific analytical determination and biological tests. The Arcadis Labors have many years of experience and excellent knowledge in the implementation of customer-specific projects. aQuaTox-Solutions is specialized in alternative testing methods focusing on fish cells and fish embryos as test models used for monitoring of water quality as well as for assessing the environmental safety of chemicals. Our scientists offer highly qualified, professional advice. The supervision by experts is ensured during the whole project.

Combined services:

- Flocculation/coagulation/sedimentation with commercial coagulant products
- Activated carbon adsorption with granular or powdered carbon products
- Biodegradation potential (OECD 302B)
- Ozonation
- Analytical determination of lead substance(s)
- Algal growth inhibition (OECD 201 or ISO 8692)
- Immobility of daphnia (OECD 202 or ISO 6341)
- Acute fish toxicity – fish embryo (OECD 236 or ISO 15088)
- Acute fish toxicity – fish cell line (OECD 249 or ISO 21115)
- Treatability efficacy assessment





About Arcadis

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. We are 27,000 people, active in over 70 countries that generate €3.3 billion in revenues. We support UN-Habitat with knowledge and expertise to improve the quality of life in rapidly growing cities around the world.

About aQuaTox-Solutions

aQuaTox-Solutions is the market leader for assessing chemical hazard and water quality using permanent fish cell lines and fish early life stages. As a team, we have decades of experience in the development of such innovative test methods for replacing animal testing. Compared to conventional tests, our alternatives are additionally more resource-friendly and offer more versatile and meaningful information with higher precision and efficiency. As a spin-off of Eawag, we consistently implement the latest research innovations into practice – with the overall goal to improving environmental risk assessment and contributing to a healthy environment.

www.arcadis.com | www.aquatox-solutions.ch

Contact



Dr. Anja Liedtke

Arcadis Schweiz AG

T +41 44 7329274

E anja.liedtke@arcadis.com



Dr. Stephan Fischer

aQuaTox-Solutions GmbH

T +41 767781280

E stephan.fischer@aquatox-solutions.ch

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