

## Technical notes:

### Qualitative Algaecidal Performance Test

#### Introduction

Algae are simple aquatic plants that occur naturally in habitats such as rivers and lakes. They can vary considerably in shape, colour and size.

Algae need to be effectively controlled especially in swimming pools, spas or any industrial water treatment application i.e. to guarantee good health and efficient running processes. Performing this test helps ensure that your biocide is delivering the results you expect.



#### Description of the Test

This method allows determination of the qualitative algaecidal efficacy of biocides against the freshwater algae *Chlorella vulgaris* (green spherical algae) or other algae. It is intended to determine the minimum concentration, which prevented algae growth. Other algae than the above mentioned may be tested with this method, provided that it is adapted accordingly. Aqueous nutrient solutions with different concentrations of the products to be tested, inoculated with the selected alga, are placed on a shaker under specified conditions. The algaecidal efficacy is determined visually by controlling the growth/no growth of the test algae. LSTS – Life Science Tools and Services offers cost effective, confidential testing services at the high quality standards.

#### Test Organism

The following algae is used:

*Chlorella vulgaris* (green spherical algae, 5 – 10µ)

Strain N° 211-11 b, Göttingen

#### The following indications will be given in the test report

Reference to the method

Description of the used nutrient solution

Description of the used algaecidal product/formulation (e.g. composition, concentration, pH-value etc.)

Test algae

Derogations of the method

Results according to the evaluation scheme

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