

ANALYSIS OF CYANOBACTERIA

Eurofins EnvironeX Laboratories now offers a wide range of services related to the problems of cyanobacteria (blue-green algae).

The increasing eutrophication of aquatic ecosystems encourages the development of cyanobacteria, also called blue-green algae. Under certain conditions they can rapidly proliferate and form blooms. Visible to the naked eye blooms are usually green or blue-green.

Some species of cyanobacteria produce toxins that can attack the liver, nervous system or irritate the skin.



Cyanobacteria Analysis (blue-green algae)

The following analyses can be used to screen for cyanobacteria:

CYANOBACTERIA SCREENING (BLUE-GREEN ALGAE)

- Monitoring and a full range of water analysis from potable water systems intended for human consumption in accordance with the Règlement sur la qualité de l'eau potable (RQEP)/(Regulation respecting the quality of drinking water) of Québec.

MICROBIOLOGY

- Total coliform count and atypical bacteria
- *Escherichia coli*
- Fecal Coliforms

PHYSICO-CHEMICAL WATER ANALYSIS

- Total organic carbon (TOC) and dissolved organic carbon (DOC)
- Biological oxygen demand (BOD5)
- Chemical oxygen demand (COD)
- Ammoniacal nitrogen (NH4+)
- Total Kjeldahl nitrogen (TKN)
- Total phosphorous
- pH, conductivity, turbidity
- Nitrites and nitrates
- Dissolved oxygen
- Several other parameters