

Testimonial Pharem

Pharem

Pharem is a Swedish cleantech company with an advanced biotech division focusing on the development and use of enzymes for treatment of organic micropollutants in various water environments. From their platform technology the company have developed applications designed for municipal WWTP effluents, industry processes and effluents, but also household products.

Technology: PFS

The PFS technology offers a solution to remove organic micropollutants from municipal WWTP effluents or industry processes. The PFS technology is based on enzymes immobilized to an inert (filter) material which is later placed into a column system.

Test to be conducted through the Water Test Network

During the test Pharem's enzyme technology (PFS for the removal of organic micropollutants, OMPs) and its effect on TOC, BOD etc. will be investigated on WWTP effluent water. The test will be conducted via an installation of PFS at Apeldoorn WWTPs pilot-test facility in the Netherlands. The test will gather additional performance data of treatment of effluent water using enzyme treatment technologies. Together with Vallei en Veluwe, Pharem will test and validate system parameters using various filter matrices and system settings.

Why making use of a WTN voucher? What is the added value of WTN?

With WTN, Pharem will be able to further test and establish knowledge from using enzymes as a treatment technology for OMP removal. Installation and data from various water qualities will strengthen the knowledge of the technology parameters so that it can be applied more efficiently on the WWTPs. With these added results the design, planning and implementation of the technology will be more efficient at any sized WWTP.























