



WASTEWATER SOLUTIONS

Novozymes Toler-X™ 5100

Improves effluent quality and plant stability through enhanced COD degradation at low temperatures

At low temperatures, industrial wastewater treatment plants often struggle to maintain efficient treatment. Biological activity and temperature are closely correlated. When the water temperature falls below 15 °C (60 °F), treatment can deteriorate, and staying in compliance can become a real challenge. In order to meet treatment goals, the microbial community must contain microorganisms that can function at low temperatures and target a wide range of organics. Lagoon systems are at greater risk because of the increased surface area and the lack of operational controls.

Toler-X 5100: Microorganisms specially selected for their ability to thrive at low temperatures

Toler-X 5100 helps plants to comply with their permits and improves plant efficiency at low temperatures. It contains a blend of psychrophilic (cold-loving) microorganisms and is active all the way down to 2 °C (36 °F). The strains in Toler-X 5100 have a wide range of organic degradation abilities and can be used at a wide range of industrial facilities.

The benefits of using Toler-X 5100

Lower operating costs

- Reduces permit violations
- Reduces surcharges

Improved plant efficiency

- Improves COD reduction at low temperatures

Simplified operations

- Improves system stability at low temperatures

Novozymes is the world leader in bioinnovation. Together with customers across a broad array of industries we create tomorrow's industrial biosolutions, improving our customers' business and the use of our planet's resources.

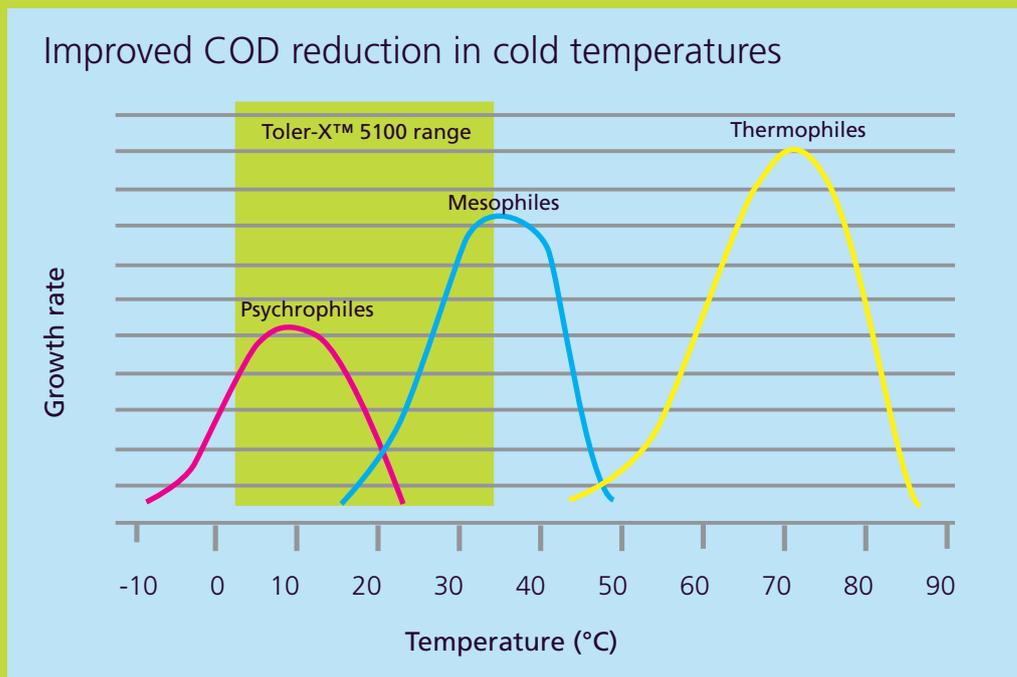


Fig. 1. Toler-X™ 5100 led to improved COD and TSS removal even at colder temperatures.

Enhancing your business is our business

Team up with Novozymes for innovative biosolutions to reduce costs, improve water quality, and capitalize on renewable energy opportunities. Unique products, experience with beneficial microorganisms and enzymes, and our commitment to improve our business are just three reasons to choose Novozymes as your bioinnovation partner.

For more information please visit www.novozymes.com

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