

Novozymes BioRemove™ 4200

Simplifies operations and lowers operating costs through effective FOG control

Fats, oils, and grease (FOG) are a root cause of many municipal wastewater plant issues. When FOG gets into the treatment system, it can foul sensors, cause foaming, and encourage the growth of filamentous organisms. If FOG passes through to the effluent, it can cause permit violations. If it becomes entrained in the floc, it can impact dewatering. Physical removal through skimming is expensive and labor intensive. FOG is biodegradable, but in many systems the microbial community does not contain enough of the right microorganisms to keep FOG levels under control.

FOG also presents an opportunity for some municipal treatment plants that charge tipping fees for receiving grease. Increasing a plant's capacity to handle grease with BioRemove 4200 can provide a significant return on investment.

BioRemove 4200: Patented biological solution for FOG control

BioRemove 4200 contains patented microorganisms and is specially designed to degrade FOG quickly and completely. It works to minimize FOG-related problems and optimize a plant's ability to handle excess FOG.

The benefits of using BioRemove 4200

Lower operating costs

- Increases tipping fee revenue
- Reduces permit violations
- Reduces FOG and FOG-related foam removal costs

Improved plant efficiency

- Improves FOG degradation

Simplified operations

- Reduces FOG-related filamentous bulking
- Reduces the time and effort needed for FOG removal

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.

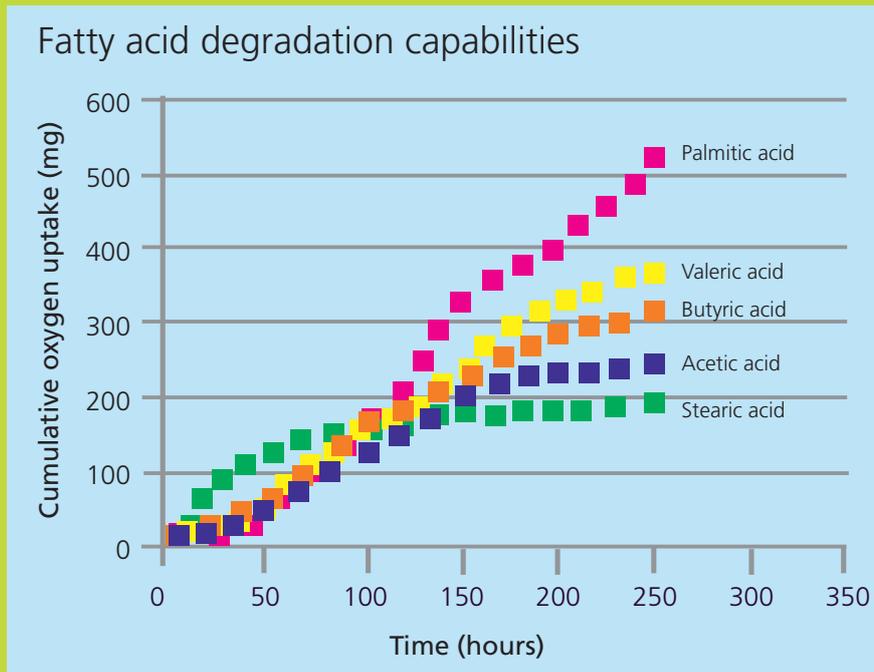


Fig. 1. The graph shows degradation of long-chain fatty acids (palmitic and stearic acids) and volatile fatty acids (valeric, butyric, and acetic acids). Long-chain fatty acids are responsible for grease buildup. Volatile fatty acids are commonly associated with FOG-related odor problems.

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

Novozymes Biologicals France • Bât 6 • 60 route de Sartrouville • 78232 Le Pecq Cedex • France •
Tel. +33 (0) 1 30 15 28 40 • Fax: +33 (0) 1 30 15 15 45

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