

Novozymes BioAid™ 5310

Maximizes plant efficiency by ensuring an optimized nutrient balance



Nutrient deficiencies in wastewater treatment are mostly caused by a lack of nitrogen (N) or phosphorus (P). For optimum efficiency, microorganisms require a BOD:N:P ratio of 100:5:1. If the quantities of nitrogen or phosphorus present are too low, BOD removal will be impacted. Another consequence of nutrient deficiencies is filamentous bulking caused by nuisance organisms that are favored under low-nutrient conditions.

In order for a wastewater system to operate as efficiently as possible, it is important to have both the right microorganisms and the right proportion of nutrients.

BioAid 5310: The right balance of nitrogen and phosphorus

BioAid 5310 is a balanced source of nitrogen and phosphorus in a form that is readily available to bacteria. In nutrient-limited wastewater streams, BioAid 5310 can make the difference between meeting and not meeting a plant's treatment goals as well as making plant operations easier.

The benefits of using BioAid 5310

Lower operating costs

- Reduces surcharges
- Reduces permit violations

Improved plant efficiency

- Enables optimal biological activity

Simplified operations

- Improves system stability
- Reduces filamentous bulking

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.

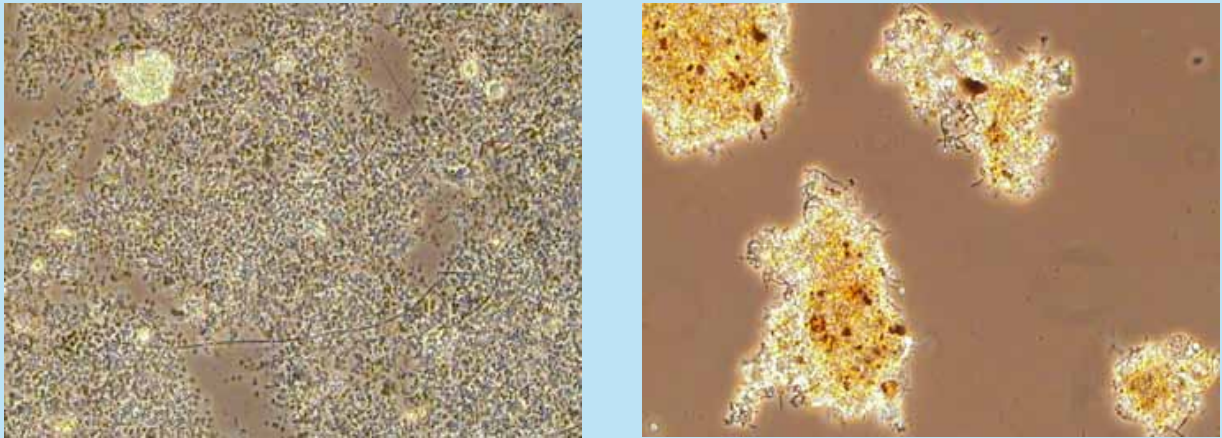


Fig. 1. Dispersed biomass (left) will not settle in a secondary clarifier. Healthy floc particles (right) promote good settling and compaction.

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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