



Product catalogue

Novozymes Water & Waste Management

Rethink Tomorrow

novozymes® 



As the world leader in industrial enzymes and microorganisms, Novozymes has specialized expertise in developing and applying biological products for wastewater treatment and biogas generation. Together with our partners, we are constantly looking for new ways to lower the cost of wastewater treatment, simplify the treatment process, and increase plant efficiency to meet the inevitable requirements of tomorrow. Clean water and clean energy are at a premium and Novozymes will continue to lead the way for providing sustainable solutions through biotechnology.

Contents

Product portfolio

COD removal	3
Ammonia removal	4
FOG removal	4
Hydrocarbon and phenol removal	5
Anaerobic treatment	5
Other solutions for all wastewater types	6

Application benefits

Best-in-class product benefits	7
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Novozymes **best-in-class** bioaugmentation product portfolio

COD removal

BioRemove™ COD

Main application	COD removal
Target industries	All wastewater types

BioRemove™ COD is Novozymes’ most versatile product for both industrial and municipal wastewater and is effective for highly complex waste streams. It has a diverse set of microorganisms that target a wide range of organics found in a variety of industries and boosts plant performance. Benefits include improved settling, lower COD, and improved system stability.

Physical form	Powder
Packaging options	11.35 kg pail (25 x 454 g solupaks) 24 pails per pallet



BioRemove™ COD LT

Main application	COD removal at low temperatures
Target industries	All wastewater types

BioRemove™ COD LT effectively degrades COD even at temperatures as low as 2 °C (36 °F). The microorganisms in this blend have been carefully selected for their ability to thrive at low temperatures. With BioRemove™ COD LT, you can keep your plant stable and effluent quality high all through the winter months. BioRemove™ COD LT is also suitable for use at system start-up.

Physical form	Powder
Packaging options	11.35 kg pail (25 x 454 g solupaks) 24 pails per pallet



BioRemove™ COD SF

Main application	COD removal
Target industries	All wastewater types

BioRemove™ COD SF delivers improved degradation of non-ionic and anionic surfactants. The result is less foaming and fewer severe surfactant-related upsets at your plant. BioRemove™ COD SF is suitable for use at system start-up.

Physical form	Powder
Packaging options	11.35 kg pail (25 x 454 g solupaks) 24 pails per pallet



Ammonia removal

BioRemove™ AM

Main application	Ammonia removal
Target industries	All wastewater types

BioRemove™ AM is the fastest, most reliable solution for consistent nitrification. It simplifies your wastewater system at both start-up and once operations are underway. It also helps prevent ammonia-related permit violations and operational surcharges.

Physical form	Liquid
Packaging options	4.5 kg jug (requires refrigeration)



FOG removal

BioRemove™ FOG

Main application	FOG removal
Target industries	Food & beverage

BioRemove™ FOG degrades fats, oils, and grease (FOG) quickly and completely. The robust microorganisms in this blend thrive in a wide range of plants and applications including system start-up. With BioRemove™ FOG, you can cut the time, effort and costs associated with FOG and their removal.

Physical form	Powder*
Packaging options	11.35 kg pail (25 x 454 g solupaks) 24 pails per pallet

* Liquid version also available



BioRemove™ FOG Boost

Main application	FOG removal
Target industries	Municipal wastewater

BioRemove™ FOG Boost is a blend of microbes with enzymes added to accelerate reaction times. The result is extra-fast degradation of fats, oils, and grease (FOG). It is designed for municipal waste treatment systems and suitable for use during system start-up. By improving FOG degradation, BioRemove™ FOG Boost can also improve FOG capacity.

Physical form	Powder
Packaging options	11.35 kg pail (50 x 227 g solupaks) 24 pails per pallet



Hydrocarbon and phenol removal

BioRemove™ HC

Main application	Hydrocarbon removal
Target industries	Refining & petrochemical

BioRemove™ HC is the most effective biological product for hydrocarbon reduction. It is a blend of microorganisms developed for petroleum refining and petrochemical plants. It reduces hydrocarbon-related filament outbreaks in their wastewater systems. It is suitable for use at system start-up and improves system stability and efficiency while lowering operating costs.

Physical form	Powder*
Packaging options	11.35 kg pail (25 x 454 g solupaks) 24 pails per pallet

* liquid version also available



BioRemove™ Phenol

Main application	Phenol removal
Target industries	Refining & petrochemical

The microorganisms in BioRemove™ Phenol can tolerate high concentrations of phenols. That means it is effective at degrading phenols, cresols, and other aromatic hydrocarbons. These include catechol and cumene. The result is better effluent quality, simpler operations, and improved plant stability.

Physical form	Powder
Packaging options	11.35 kg pail (25 x 454 g solupaks) 24 pails per pallet



Anaerobic treatment

BG Max™ 3000

Main application	Anaerobic treatment / biogas generation
Target industries	Municipal and Food & Beverage

BG Max™ 3000 increases biogas production and makes anaerobic systems more efficient. It is ideal for industries that use anaerobic treatment for high-strength wastewaters. BG Max™ 3000 is a blend of beneficial microorganisms and fast-acting enzymes.

Physical form	Powder
Packaging options	11.35 kg pail (25 x 454 g solupaks) or 15 kg pail



Novozymes **best-in-class** bioaugmentation product portfolio

X=Does the Job
XX=Excels at it

BENEFITS									
Product	BioRemove™ AM	BioRemove™ COD	BioRemove™ COD LT	BioRemove™ COD SF	BioRemove™ FOG	BioRemove™ FOG Boost	BioRemove™ HC	BioRemove™ Phenol	BG Max™ 3000
Target substrate / main application	Ammonia removal	COD removal	COD removal at low temperatures	Surfactant-based COD removal	FOG removal	FOG removal	Hydrocarbon removal	Phenol removal	Anaerobic treatment / biogas
Removes ammonia	XX								
Effective at low temperatures	XX		XX						
Improves floc formation and settleability		XX							
Effective in anoxic and anaerobic environments		X			X				XX
Effectively degrades hard COD		XX		X			X	X	
Removes surfactants		X		XX			X	X	
Controls fats, oils, and grease (FOG) levels		X			XX	XX			X
Prevents filamentous foaming		X			XX	XX			
Prevents surfactant-related foaming		X		XX					
Removes hydrocarbon		X					XX	X	
Removes phenol		X					X	XX	
Enhances biogas production									XX

Other biological solutions for wastewater treatment

OdorCap® 5700

Main application	Odor control
Target industries	All wastewater types

OdorCap® 5700 is an advanced blend of microorganisms that targets the main odors associated with wastewater treatment plant, including sulfides, mercaptans, organic acids, and sludge odors.



Physical form	Powder*
Packaging options	11.35 kg pail (25 x 454 solupaks) 24 pails per pallet

* liquid version also available

BioSpikes® 5000

Main application	Sludge reduction for wastewater lagoons
Target industries	All wastewater types

BioSpikes® 5000 are used in municipal and industrial wastewater lagoons to reduce sludge volume, lower dredging costs, and recover lost treatment capacity. BioSpikes® 5000 contain a combination of beneficial microorganisms, fast-acting enzymes, and essential nutrients.



Physical form	Spike (solid)
Packaging options	18.75 kg case (25 x 150 g spikes) 48 cases per pallet

BioEase™ 4260

Main application	Grease control
Target industries	Municipal wastewater

BioEase™ 4260 helps make grease control easier with its grease-degrading microorganisms and unique delivery system. BioEase™ 4260 is a dissolvable block encased in a mesh bag that is tied on and immersed in the flow. As the block slowly dissolves, it seeds the water with enough grease-degrading microbes to keep grease buildup to a minimum. When the block has completely dissolved, the mesh bag can simply be removed, discarded, and replaced.



Physical form	Blocks (solid)
Packaging options	0.91 kg blocks (for grease traps and small flows). 4 per 3.64 kg case. 2.27 kg blocks (for grease traps and small flows). 4 per 9.08 kg case. 4.54 kg blocks (for municipal collection systems). 4 per 18.16 kg case.



About Novozymes

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow.

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