



WASTEWATER SOLUTIONS
– REFINING AND PETROCHEMICAL

Novozymes BioRemove™ 2300

Improves effluent quality and plant stability
through enhanced hydrocarbon degradation

Hydrocarbons are often degraded slowly in the wastewater treatment process. At high concentrations, hydrocarbons can cause an increase in oil and grease in the final effluent and lead to filamentous outbreaks. Hydrocarbons can also become entrained in the floc. This can cause settling problems and biomass toxicity and may lead to complications with effluent toxicity. Whether hydrocarbons are degraded completely, partially, or not at all depends on the type and functionality of the microorganisms in the microbial community.

BioRemove 2300: The most effective biological solution for degrading petroleum hydrocarbons

BioRemove 2300 contains a variety of organisms that rapidly degrade hydrocarbons like alkanes and aromatic compounds. It is the most effective biological product available for improving hydrocarbon degradation in wastewater treatment.

The benefits of using BioRemove 2300

Lower operating costs

- Reduces permit violations for oil and grease
- Reduces surcharges

Improved plant efficiency

- Improves hydrocarbon reduction
- Reduces hydrocarbon-related filament outbreaks and settling problems

Simplified operations

- Improves system stability from hydrocarbon-related upsets

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.

BioRemove 2300 performed better than any other biological product in third-party efficacy testing

A study was arranged using a third party nationally accredited contract laboratory to test the efficacy of BioRemove 2300 and 9 competitors. The table below ranks all products by performance.

	Alkanes removal (%)	Aromatics removal (%)	Average
BioRemove™ 2300	99.9	92.1	96.0
Competitor 1	97.0	88.0	92.5
Competitor 2	89.8	89.6	89.7
Competitor 3	99.1	77.0	88.1
Competitor 4	96.8	73.1	85.0
Competitor 5	99.0	67.0	83.0
Competitor 6	97.0	47.0	72.0
Competitor 7	92.6	39.0	65.8
Competitor 8	89.1	38.2	63.7
Competitor 9	44.0	54.5	49.3

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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