



Water & Environmental Technologies

# BioRemove 2305

## Refining & Petrochemical

Improves effluent quality and wastewater system stability through enhanced hydrocarbon degradation

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

## BioRemove 2305: The Most Effective Biological Solution for Degrading Petroleum Hydrocarbons

BioRemove 2305 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 2305

#### Lower operating costs

- Reduces permit violations for organics, oil, and grease
- Reduces surcharges
- Reduces the need for clarification-enhancing chemistry (or chemicals)

#### Improved plant efficiency

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

#### Simplified operations

- Improves system stability and shortens recovery from hydrocarbon-related upsets
- Liquid for easy manual or automated dosing

## BioRemove 2305 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 2305 and nine competitors. The table below ranks all products by performance.

	Alkanes removal (%)	Aromatics removal (%)	Average
BioRemove 2305	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

### Micro Solutions. Major Impact.

Clean water is essential for healthy people and a healthy planet. EnviroZyme’s microbial solutions use bioaugmentation to naturally and efficiently treat water before it’s returned back into the system. Our team of experts have come together to create environmentally-focused microbial solutions and technical services to support water resource recovery facilities in their global quest to provide clean water.

### Billions of microorganisms at your service.

SKU #	PRODUCT	BENEFITS	SIZE
Refinery & Petrochemical Wastewater Treatment			
WTL953L2C	BioRemove 2305	BioRemove 2305 contains beneficial microorganisms that are able to degrade hydrocarbons like alkanes and aromatic compounds.	200 L (52.83 gal)

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