



Solutions beyond your expectations

BIODRAIN & GREASE TRAP 10X

**Biological Drain & Grease Trap Concentrate for Restaurants, Hotels & Commercial Kitchens
(Part No. CHM-SP7-BDO)**

Product Description

BioDrain & Grease Trap 10X (Part No. CHM-SP7-BDO) is a highly concentrated liquid blend of multiple bacterial spores, formulated to biologically digest and deodorize organic waste in grease traps, drain lines, and septic tank systems.

Grease traps are often the most neglected and difficult-to-manage problem in commercial kitchens — unsightly, odorous, and expensive to pump and maintain. Most biological grease trap products reduce solids and odor under ideal conditions, but fail to perform in the low pH and high-fat conditions found in real grease traps. Chemtech developed BioDrain & Grease Trap 10X specifically to solve that problem: field testing found most grease traps run at pH 4.5–6, with a worst case of pH 4.25, a range where standard grease trap bacteria stop functioning.

BioDrain & Grease Trap 10X uses a seven-strain *Bacillus* blend, including strains isolated from naturally low-pH environments, selected to keep working at pH 4.25.

Advantages

- Functions effectively down to pH 4.25, the low end of real-world grease trap conditions
- Superior fat digestion, including long-chain fat molecules standard products struggle with
- Produces a bio-surfactant that increases FOG bioavailability to the bacteria
- Degrades the volatile fatty acids (VFAs) responsible for grease trap odor, including hard-to-degrade branched VFAs
- Demonstrated BOD reduction in real grease trap waste
- No dilution required — add directly to the grease collection system

Product Profile

- Multiple *Bacillus* species (seven-strain blend)
- Naturally occurring, non-engineered
- Aerobes and facultative anaerobes
- Highly motile
- Positive chemotaxis
- 100% stabilized bacterial spores



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Applications

- Grease traps
- Drain build-up reduction and maintenance
- Septic tank systems

Product Specifications

Guaranteed Minimum Bacterial Concentration	20.5 x 10 ⁷ CFU/mL (757 billion per gallon)	
Bacterial Enzymes	Amylase, Protease, Lipase, Esterase, Urease, Cellulase, Xylanase	
Physical Properties	Appearance: amber liquid Form: liquid concentrate Contaminants: non-pathogenic, salmonella-free, contaminant-free	
Performance Properties	Effective pH range: 4.25 to 10.0	Temperature range: 40 to 130 °F (5 to 55 °C)
Standard Packaging	5-gallon pails, 55-gallon drums, 275-gallon totes	
Shelf Life	1 year at 21°C (70°F)	
Dosage Rates	GREASE TRAP CAPACITY 50-100 gallons 100-250 gallons 250-500 gallons	DAILY DOSE 20-25 ounces 25-35 ounces 35-45 ounces
Usage Guidelines	No dilution required prior to addition into the grease collection system.	
Storage & Handling	Store in a cool, dry place. Do not freeze. Wash hands thoroughly with warm, soapy water after handling.	

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