

LAB STUDY REPORT



EnviroDEFENSE® WasteWater

Test: Stearic Acid, Starch & Fat

Airmax

Safe, Simple Solutions™



EnviroDEFENSE® WasteWater *Lab Studies*

Product Overview

A specially formulated bacterial blend specifically designed for the removal of contaminants in various commercial and residential garbage/compost systems.

EnviroDEFENSE® WasteWater is a specially formulated bacterial blend that aids in the removal of various contaminants in industrial Wastewater systems. Because EnviroDEFENSE® WasteWater is highly effective, economical and eco-benign, it continues to provide the ideal solution to wastewater clean-up due to ever-changing and demanding regulations. The naturally occurring bacteria formulated in EnviroDEFENSE® WasteWater work by digesting organic waste materials to prevent malodorous situations and sludge build-up. EnviroDEFENSE® WasteWater has also demonstrated great success in the degradation of many types of industrial wastes including surfactant, solvent and polymer residues, starch, cellulose, FOGS and petroleum hydrocarbons.

Advantages of EnviroDEFENSE® WasteWater

- GREATLY REDUCES LABOR TIME
- DEGRADES A WIDE RANGE OF ORGANIC COMPOUNDS
- ENHANCES BOD/COD REMOVAL
- REDUCES HYDROGEN SULFIDE
- COST-EFFECTIVE AND EASY TO USE
- REDUCES SLUGE BUILD-UP
- INCREASES SYSTEM EFFICIENCY
- CONTAINS NO HARSH CHEMICALS
- ELIMINATES MALODORS AT THEIR SOURCE
- BREAKS DOWN FAT AND GREASE BUILD UP

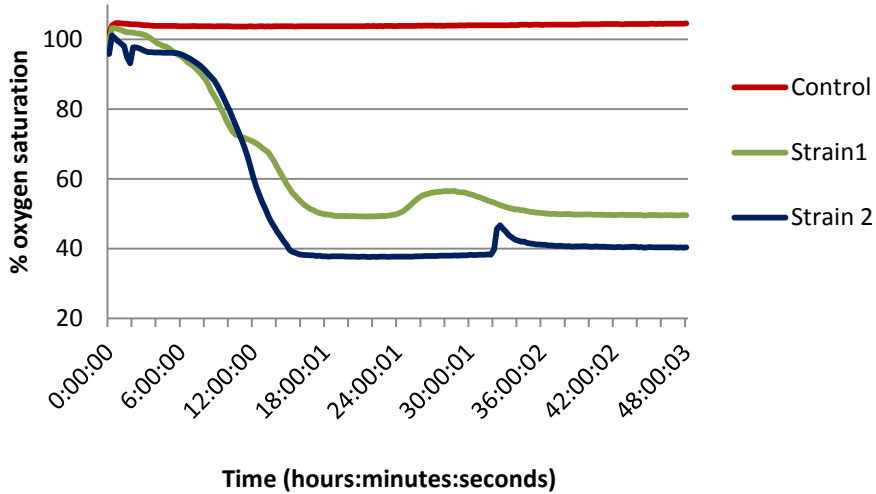
Applications

- Municipal Waste Water Treatment Facilities
- Residential Waste Water Treatment Facilities
- Septic Systems & Lagoons



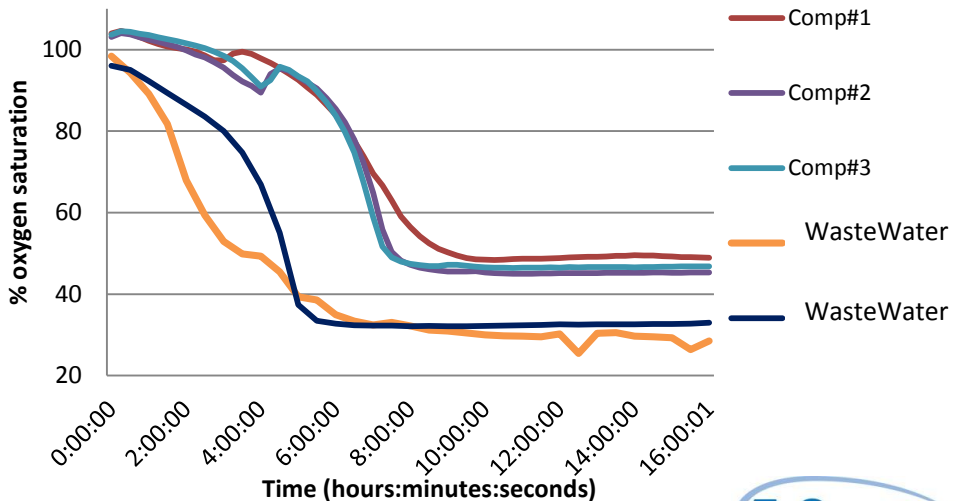
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THE DEGRADATION OF A SURFACTANT (TWEEN 80) BY 2 STRAINS OF ENVIRODEFENSE® WASTEWATER

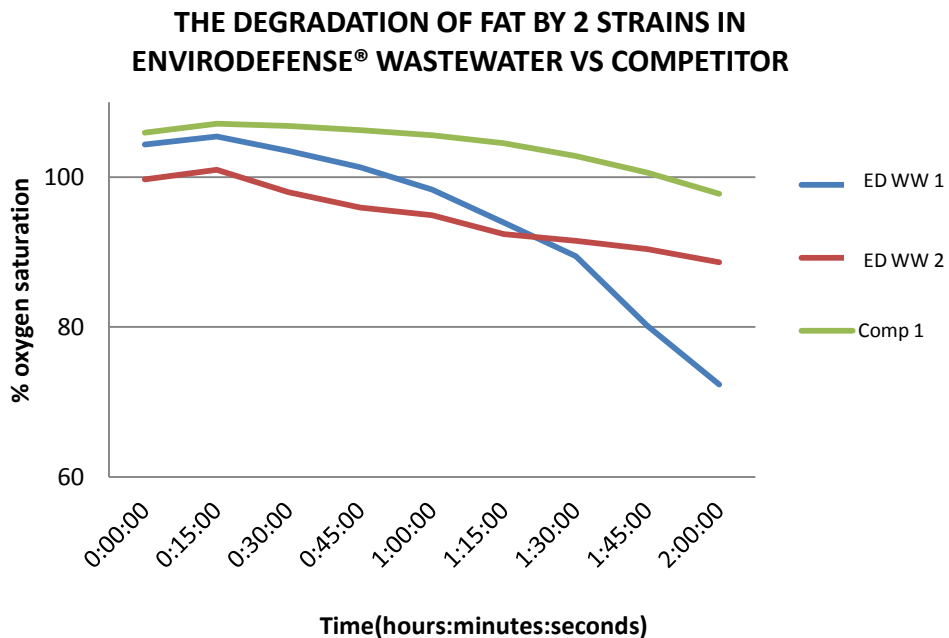


The graph above shows the degradation of a surfactant (tween 80) by two strains in EnviroDEFENSE® WasteWater. As the substrate is degraded the % oxygen saturation decreases.

THE DEGRADATION OF STARCH BY TWO STRAINS IN ENVIRODEFENSE® WASTEWATER VS COMPETITOR

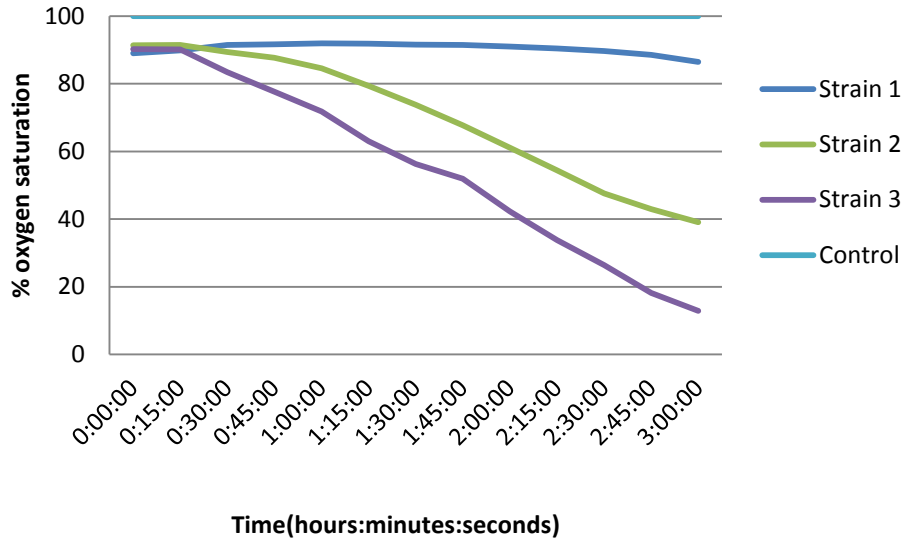


The graph above shows the degradation of starch by two strains in EnviroDEFENSE® WasteWater versus competitors' strains. As the substrate is degraded the oxygen saturation decreases. The EnviroDEFENSE® strains show better degradation of starch versus the competition.



The graph above shows the degradation of glycerol by two strains in EnviroDEFENSE® WasteWater versus a competitor. As the substrate is degraded the % oxygen saturation decreases. The EnviroDEFENSE® strains show good degradation on glycerol versus a competitor.

THE DEGRADATION OF STEARIC ACID BY THREE STRAINS OF ENVIRODEFENSE® WASTEWATER



The graph above shows the degradation of stearic acid by three strains in EnviroDEFENSE® WasteWater. As the substrate is degraded the % oxygen saturation decreases.

Technical Specifications For EnviroDEFENSE Wastewater

Targeted Compounds	Cellulosic material, starches, surfactants, sludge-volume, malodors.	
Bacterial Count	2 Billion CFU's bacillus spores + pseudomonas.	
Bacterial Type	Bacillus spore blend + pseudomonas.	
Formula Properties	Tan, free flowing powder with earthy odor. (Available in Canadian approved (CB) formulation).	
Performance Properties	Effective pH Range: 4.0-11.0	Temperature Range: 45-120°F (5-50°F)
Packaging	50 lb Containers (Shelf life of 24 months in an original unopened container).	



For More Information Call:

866-424-7629

www.envirodefenseproducts.com



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