

LAB STUDY REPORT



EnviroDEFENSE[®] WasteWater HC **Test: Stearic Acid, Starch & Fat**

Airmax

Safe, Simple Solutions[™]



EnviroDEFENSE® WasteWater HC

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 HC is a specially formulated bacterial blend that aids in the removal of various contaminants in industrial Wastewater systems. Because EnviroDEFENSE® WasteWater HC 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 HC works by digesting organic waste materials to prevent malodorous situations and sludge build-up. EnviroDEFENSE® WasteWater HC 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 HC

- 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

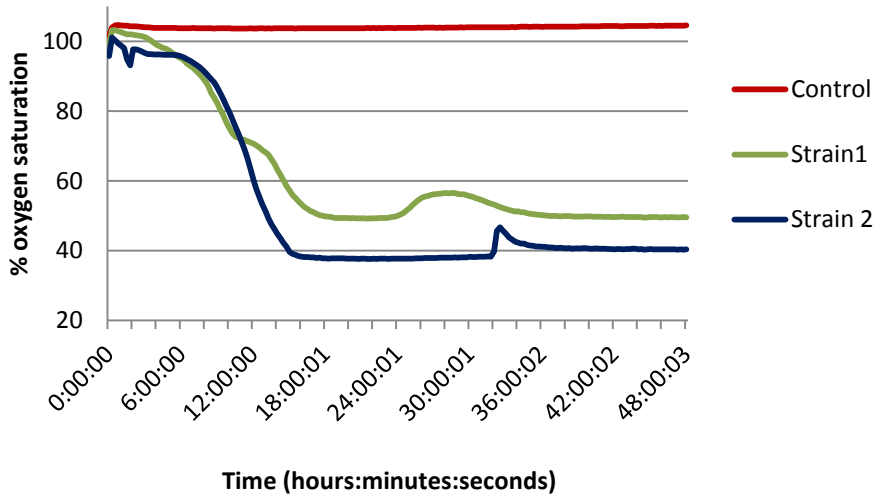
Applications

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



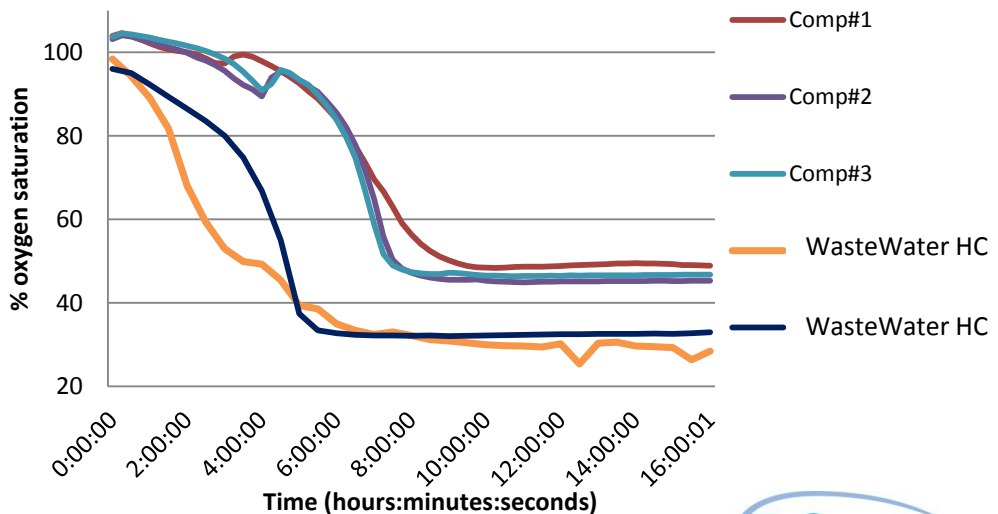
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THE DEGRADATION OF A SURFACTANT (TWEEN 80) BY 2 STRAINS OF EnviroDEFENSE® WasteWater HC

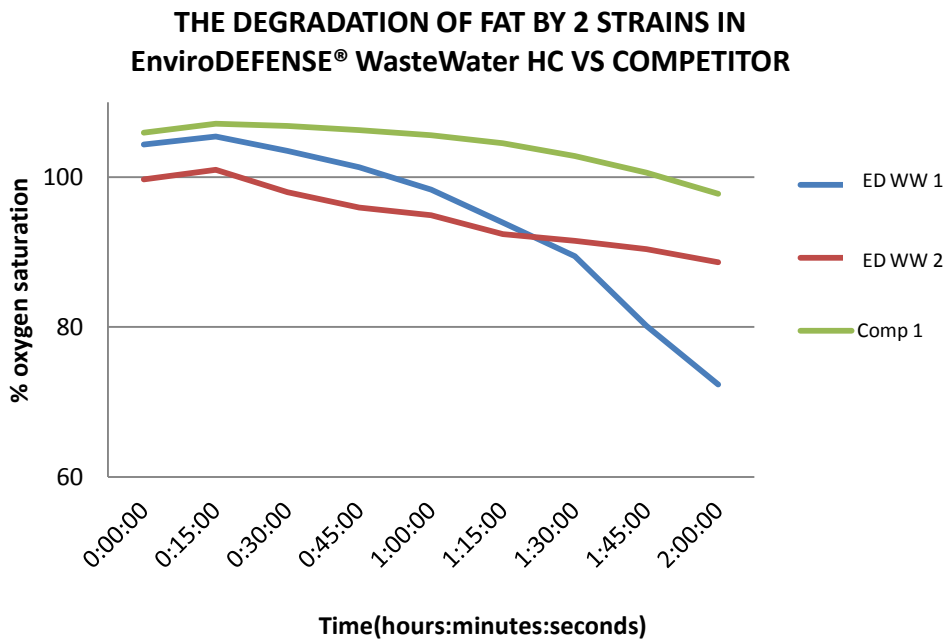


The graph above shows the degradation of a surfactant (tween 80) by two strains in EnviroDEFENSE® WasteWater HC. As the substrate is degraded the % oxygen saturation decreases.

THE DEGRADATION OF STARCH BY TWO STRAINS IN EnviroDEFENSE® WasteWater HC VS COMPETITOR

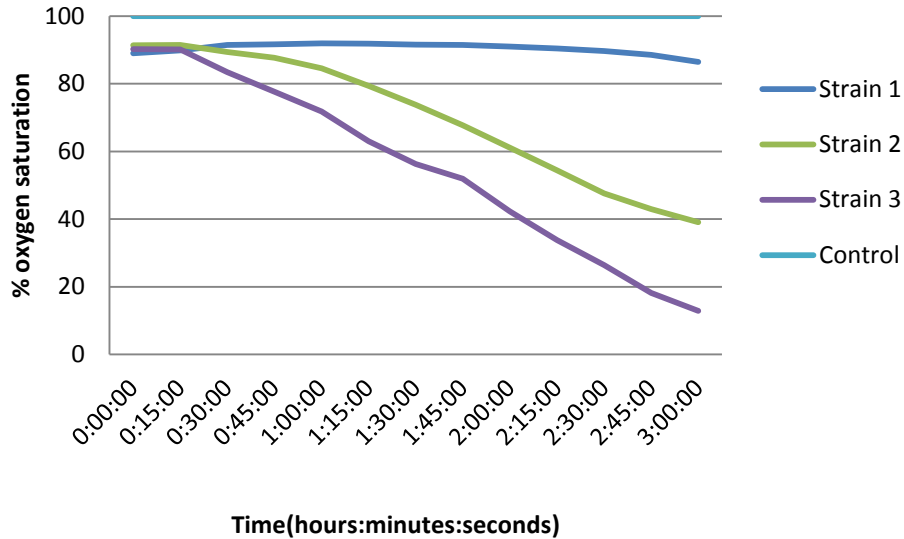


The graph above shows the degradation of starch by two strains in EnviroDEFENSE® WasteWater HC versus competitors' strains. As the substrate is degraded the oxygen saturation decreases. The EnviroDEFENSE® strains show better degradation of starch versus the competition.



The graph above shows the degradation of glycerol by two strains in EnviroDEFENSE® WasteWater HC 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 HC**



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

Technical Specifications For EnviroDEFENSE® WasteWater HC

Targeted Compounds	Cellulosic material, starches, surfactants, sludge-volume, malodors.	
Bacterial Count	4 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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