

TRUE WATER

BIOLOGICAL • CHEMICAL • PLANT

BIOFUSION
NATURE & TECHNOLOGY

ADVANCED BIOLOGICAL SOLID FORMULATIONS



FAT, OIL & GREASE BIO-SOLID

A unique bacterial-laden solid, combining a high bacterial count with slow release technology for use in degrading organic waste in grease traps

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BIOFUSION FAT, OIL & GREASE BIO-SOLID

Overview

BIOFUSION FOG BIO-SOLID is a slow dissolve, bacterial-laden solid for use in degrading organic waste in grease traps and grease interceptors. The safe, application-specific bacteria are present in high numbers to handle difficult organic problems. The unique brick will dissolve gradually which allows for continuous treatment and degradation of waste. The naturally-occurring bacteria contained in the brick will reduce odour, sludge, fats, oils and grease build-up.

Applications

- Fat & Grease Traps
- Waste Water Plants
- Septic Tanks
- Grey Water Systems
- Waste Pumps
- Oxidation Ditches
- Lift Stations
- Lagoons & Dams

Advantages of BIOFUSION FOG BIO-SOLID

Optimized proprietary bacterial consortium degrades a broader spectrum of substrates

Reduces sludge build-up helping to eliminate malodours such as hydrogen sulphide

Effectively breaks down fat, oils and grease and thereby eliminates malodours at source

Hydrogen sulfide increases not dependent on people or equipment for dosing; performance benefits over manually dosed systems

Easy to install – no special equipment or labour required so highly cost effective

All strains are EEC Class 1. Product contains Bacillus bacteria in 100% spore form for extended product life

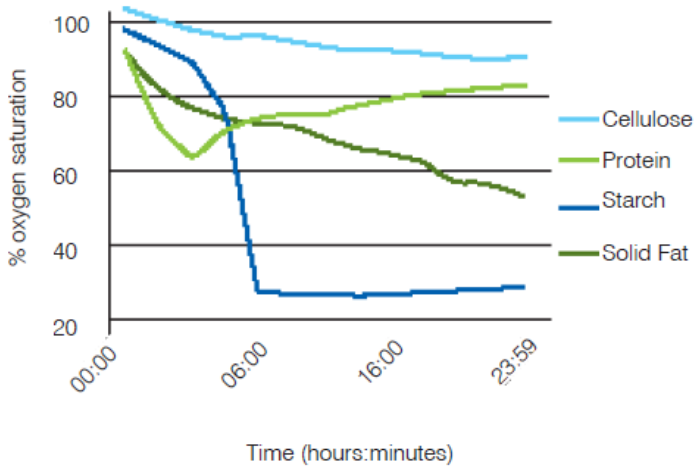
Continuous operation 24 hours per day, increases system efficiency

Manufactured in accordance with recognized international quality standard ISO 9001

Degrades high concentration of waste and enhances BOD/COD/TSS removal

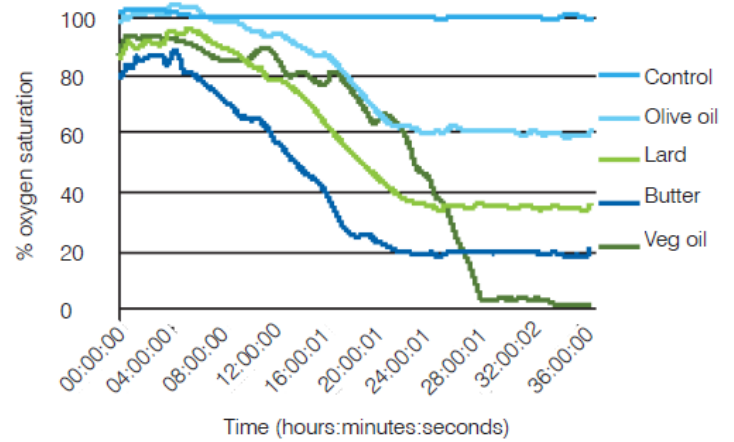
Product Testing

All around biodegradation ability of strains in BIOFUSION FOG BIO-SOLID



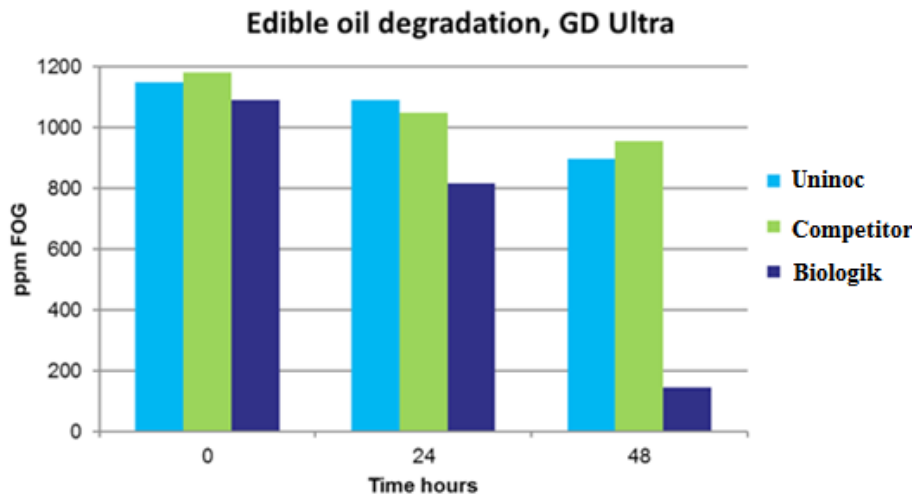
The above graph shows the all-around degradation ability of BIOFUSION FOG BIO-SOLID on different substrates.

FOG degradation by strains in BIOFUSION FOG BIO-SOLID



The above graph shows the degradation of different fats, oils and greases by BIOFUSION FOG BIO-SOLID. As the substrates are degraded the % oxygen saturation decreases.

Edible oil degradation - BIOFUSION FOG BIO-SOLID



This graph shows data collected using an Infra-Red analyzer. This measures the actual oil concentration (including partial breakdown products such as fatty acids) before and after treatment.

The competitor product degrades at best 20% of the oil and is comparable to the control test which has not been treated with bacteria.

Biofusion Bio-Solid degrades over 80% of the oil over the same timescale.

Technical specifications

targeted compounds	fats, oils and greases and cellulose	
bacterial count	7.00E+09 cfu/g <i>Bacillus</i> spores	
bacterial type	<i>Bacillus</i> spores	
formula properties	red solid with mild surfactant odour	
performance properties	effective pH range: 4.0-11.0	temperature range: 5-50°C
packaging	220g Solid - 8 bio-solids per case 1kg Solid - 4 bio-solids per case 5kg Solid - 4 bio-solids per case (Shelf life of 24 months in an original unopened container).	

BALLITO HEAD OFFICE

11 Coconut Grove, Shakas Industrial Park, Shakas Rock, KZN, South Africa

Tell: 032 947 0030

Fax :086 619 4522

Email: adminkzn@trewater.co.za

JOHANNESBURG

Unit 70F Van Dyk Business Park, Cnr Brakpan St & Van Dyk Rd Boksburg East, Gauteng

Office No: 011 824 1132

Email: adminjhb@trewater.co.za

GARDEN ROUTE

819 Seventh Avenue, Wilderness Western Cape, South Africa,6560

Keith Pick

Mobile: 071 236 5030

Email: keith@trewater.co.za