

...ANIOSYME5



Give me **5**!

ANIOSYME5 SYNERGY

Discover the video on line on www.anios.com



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ANIOSYME5 SYNERGY



5





THE SYNERGY OF 5 ENZYMES FOR...

The characteristic feature of the enzymes is their specificity of action on substrates: as soil is very diverse, **ANIOSYME SYNERGY 5** with its 5 enzymes, provides a very wide range of performance on the soil ingredients.



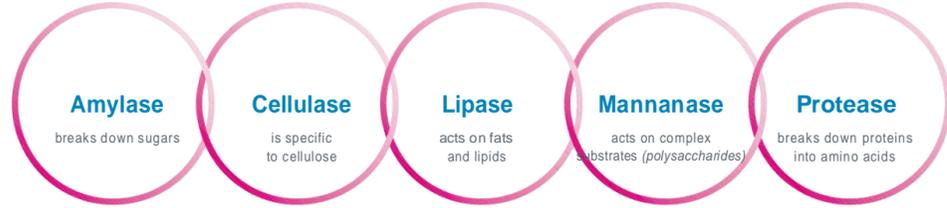
...HIGH-QUALITY FORMULATION



...HIGH-PERFORMANCE DETERGENCY



According to all methods



A SYNERGY OF DETERGENT AGENTS

Innovative development of a stabilised five-enzyme compound, combined with a pair of so-called controlled-foam surfactants. This original combination ensures a wide range of performance and proven strength of action. Completed by the addition of a biodegradable sequestant, **ANIOSYME SYNERGY 5** acts on all soil types in both soft and hard water.

FOAM CONTROL



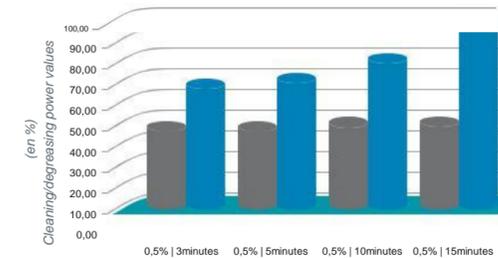
Temperature, water quality and mechanical action have a great influence on detergents' foaming properties. **ANIOSYME SYNERGY 5**'s ultimate generation of tensioactive guaranties solution clarity and foam control in various situations. **ANIOSYME SYNERGY 5** is to be used in **dynamic system** with no overproduction of foam (AIW, ultrasonic tray) and in **static bath**.

CLEANING DEGREASING POWER

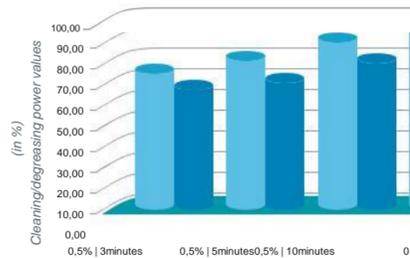
What is cleaning/degreasing power?

Cleaning/degreasing power is a methodology developed by Laboratoires ANIOS to evaluate the capacity of a detergent product to remove residual proteins in a complex matrix.

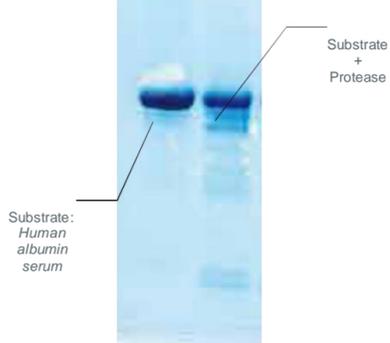
A matchless result...



...in all water qualities



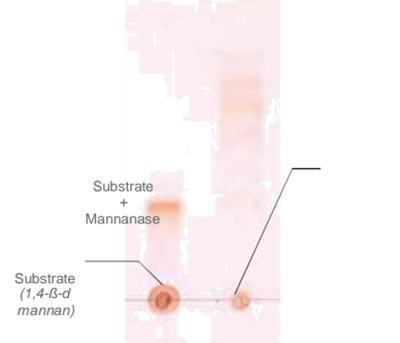
PROTEASE



Electrophoresis on polyacrylamide gel, revelation with Coomassie blue solution

Human albumin serum is a protein present in the blood and on soiled instruments. By proteolysis, albumin is broken down into smaller peptides and easily hydrosoluble amino acids.

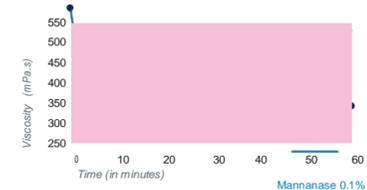
MANNANASE



Thin-layer chromatography, revelation with a thymol ethanol solution in sulphuric acid medium.

Mannans are sugars present in many foods and potentially present in the digestive tract. Beta mannanase, chosen specifically, hydrolyses these compounds and facilitates their removal during instrument cleaning. Mannanase, amylase and protease act together on glycoproteins. Lipases contribute to hydrolysis of lipoproteins or liposaccharides...

Drop in viscosity of a solution extracted from plant fibres in the presence of mannanase from 1 minute of contact



Appearance of a food additive without and with the presence of cellulase

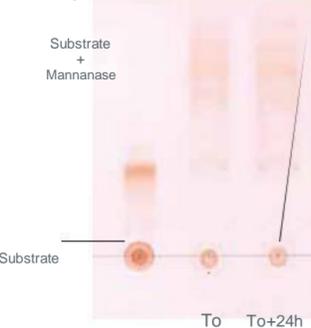


Solubilising power of the enzyme

ENZYMATIC STABILITY

Stability of enzymes at a dilution of 0.5% proven for 24 h after dilution

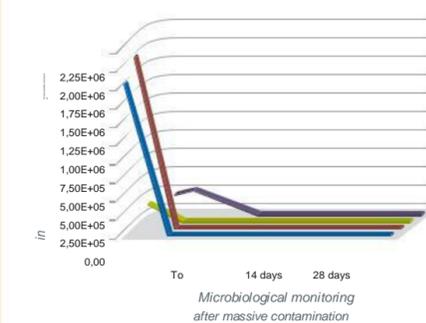
> Example: MANNANASE



All enzymes are proteins, and so subject to possible intrinsic break-down by proteases. The **ANIOSYME SYNERGY 5** formulation faces this challenge with its latest-generation balanced five-enzyme compound. To illustrate, this study demonstrates the **stability and efficacy of mannanase (and the 5 enzymes) 24 hours after dilution of the product.**

MICROBIOLOGICAL ASSURANCE

Effect of preservation of **ANIOSYME SYNERGY 5** in case of accidental contamination



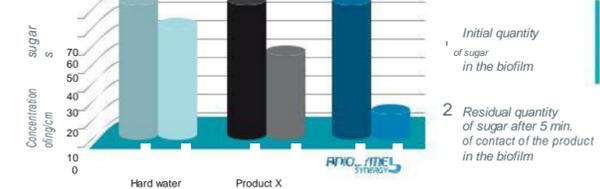
- Pseudomonas aeruginosa ATCC 9027
- Staphylococcus aureus ATCC 6538
- Candida albicans ATCC 10231
- Aspergillus niger ATCC 16404

In the case of accidental massive contamination, **ANIOSYME SYNERGY 5** demonstrates outstanding bacteriostatic and fungistatic performance.

Peace of mind for staff and patients.

PROVEN EFFICACY ON BIOFILM

Detergent power of **ANIOSYME SYNERGY 5** against sugars in a biofilm 72 h old (*P. aeruginosa*)



After 5 minutes of contact, **ANIOSYME SYNERGY 5** demonstrates its capacity to remove the sugars and also proteins coming from the biofilm.

SPARKLING INSTRUMENTS!



At 45°C, result after 1 minute at 0.3% in ultrasonic bath

Proven efficacy according to all methods

Cleaning/degreasing power different (grease and blood) On soiled instrument standard