

YDRO PROCESS® 10

Technical Data Sheet

Olive processing wastewater

Description

YDRO PROCESS® 10 is a product containing a specially formulated range of microorganisms capable of treating wastewater from olive processing. The high performance anaerobic, facultative and aerobic selected microorganisms in conjunction with the contained minerals, micronutrients, vitamins and amino acids create ideal conditions for the degradation of the polluting parameters. It degrades a wide range of pollution compounds and the high organic content. YDRO 10 is capable of balancing increased COD loading conditions, reducing the effluent parameters and breaking down long chain fatty acids and phenolic content. It eliminates the production of H₂S and odours without harming any facility or equipment. The application is easy, user friendly and creates no environmental effect or hazard.

Applications

Olive processing facilities

Olive oil production plants

Storage, Handling and Disposal

Please store product at room temperature, with low humidity and away from direct sunlight. Storing in high temperature or high humidity for extended periods will harm the product and affect its efficiency significantly.

Do not use on food surfaces, do not inhale possible dust, wash hands thoroughly after handling.

Dispose container according to local regulations.

Directions for use

This product must be applied after maturing for at least 12 hours, preferably in non-chlorinated water. The maturation process, the exact dosing points and the exact daily dosage are decided according to the wastewater characteristics, the available treatment facility and the effluent target parameters. The initial dosage is usually increased. Several days may be required in order to achieve complete success. Nutrient supplement might be required.

Physical properties

Colour	light brown
Appearance	powder
Odour	yeast-like
Relative density	0.60 – 0.65 gr/cm ³
Bacterial cultures	<1 wt%
pH range	6.0 – 9.0
Temperature range	5°C – 60°C
Carrier content	>99 wt%
Solubility	soluble in water
Degradability	biodegradable
Shelf-life	3 months

Key Benefits – Results

- Reduces the production of excess sludge
- Liquefies fats, oils and grease (F.O.G.)
- Breaks down phenols
- Prevents ground and surface water pollution
- Increases the degradation of organic content
- Reduces contaminants
- Eliminates odours
- Balances and withstands low pH shocks
- Decolourises effluent
- Decomposes long chain fatty acids
- Enhances overall biological operations
- Improves the plant effluent
- Maintains optimum performance at lower temperature conditions and in high conductivity
- Reduces the added chemicals (polymer etc.)
- Reduces overall treatment plant operational cost
- Stabilizes organic load inconsistency
- It is a naturally occurring product, non-toxic, non-genetically modified and environmentally safe
- Does not harm equipment or tanks
- Easy activation and application

Available packaging

Bulk: 1kg, 2kg, 5kg, 10kg, 250kg