

YDRO PROCESS® 7

Technical Data Sheet

Meat Processing

Description

YDRO PROCESS® 7 is a product containing a specially formulated range of microorganisms capable of treating wastewater originating from slaughterhouses, meat processing facilities, pig and cattle farms and anaerobic digesters processing similar waste residues. It is a blend of specialised natural occurring microorganisms and contains all necessary nutrients, trace elements, bio-enhancers and hydrolysing enzymes which allow the degradation of FOG (Fats, Oils & Grease) and the consumption of the organic components, which are converted into carbon dioxide and water. The product breaks down complex organic molecules, animal fats, oils and grease, eliminating odours, creates ideal conditions for elimination of sludge production at the wastewater treatment plant and increases the conversion of organic matter to biogas.

Applications

Slaughterhouses

Meat processing facilities

Pig and cattle farms

Anaerobic digesters with similar waste residues

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 process flow design, the local conditions, the organic content, the conductivity and the concentration of ammonia and fats, oils and grease (F.O.G.). The initial dosage is usually increased. Several days may be required in order to achieve complete success.

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

- Increases biogas yield
- Increases the methane content in the biogas
- Reduces the production of excess sludge
- Increases the degradation of organic content
- Eliminates hydrogen sulphide production and odours
- Liquefies fats, oils and grease (F.O.G.)
- Operates at high ammonia concentration
- Improves plant microclimate
- Enhances overall biological operations
- Improves the plant effluent
- Maintains optimum performance at lower temperature conditions
- 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