

BioFerm® EGA

High Performance Fresh Liquid Yeast



DESCRIPTION AND USE

Bio-Ferm EGA® is an advanced strain of *Saccharomyces cerevisiae* expressing an enhanced glucoamylase enzyme (GA) used in the production of fuel ethanol from liquefied grains.

CHARACTERISTICS

Fuel ethanol production facilities using Bio-Ferm EGA may substantially improve fermentation through the reduction of separately purchased GA enzyme, faster fermentation kinetics, increased yield, and robustness (acid and temperature tolerance).

INGREDIENTS

Yeast, water, and food-grade stabilizers.

APPLICATIONS

For use in fuel ethanol fermentations from liquefied grains. Fermentations are often staged within a temperature range between 30°C - 35°C (86°F - 95°F) and optimal use in a pH range of 4.2 - 5.5. It is also important to maintain rigorous contamination controls and maintain low fusel alcohol levels.

PACKAGING

Available in 1000 kg (2204.6 lb) totes

DIRECTIONS FOR USE

With 6 - 10 hours propagation time, the recommended dosage is 0.15 - 0.25% w/w into the propagation tank. As a direct pitch option, the recommended dosage is 0.025 - 0.050% w/w into the main fermentor. Contact your Lallemand Biofuels & Distilled Spirits Technical Representative for more details.

STORAGE & HANDLING

Store refrigerated at 1°C - 4°C (33.8°F - 40°F). When stored under these conditions, the product is stable for 3 months from the date of manufacture.

REGULATORY & CERTIFICATIONS

GRAS (Generally Recognized as Safe)
Kosher

PRECAUTIONS

This product is only to be used as a processing aid in the production for fuel ethanol and distillers co-products. It is not to be used as a direct addition to food or animal feeds. The product may only be used in fuel ethanol production processes where the time and temperature following ethanol fermentation is sufficient to completely inactivate yeast (minimum exposure of 80°C (175°F) for 2 minutes). No viable yeast may be present in the distillers feed product. Color may vary per batch, but in no way affects the performance of the product.



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