

Natuferm

An Efficient Solution for Brewery Industry

Natuferm is an amyolytic preparation which catalyzes on one hand the hydrolysis of the α -1,6 linkages of amylopectin and on the other hand the hydrolysis of the α -1,4 linkages of both amylose and amylopectine by releasing maltose units. To increase the fermentability of wort (apparent attenuation limit) by hydrolysing the alpha-limit-dextrines into maltose units by the combined action of a Limit Dextrinase and a Maltogenic Amylase, Natuferm has been specially design to improve attenuation in high gravity worts as well as to assists in “stuck fermentation”.

PRIMARY BENEFICIARY FUNCTIONS

- High Maltose yields with minimal by products as maltulose, etc.
- Lower viscosities improve heat exchanger efficiency
- It hydrolyzes the alpha-limit-dextrines into maltose units by the combined action of a Limit Dextrinase and a Maltogenic Amylase
- Help to improve attenuation in high gravity worts as well as to assists in “stuck fermentation”

PRODUCT APPLICATION

Natuferm may be added either in the beginning of the mash or for best results total dose can be add at the start of fermentation. Natuferm is produced according to FAO/WHO JECFA and FCC recommendations for food grade enzymes, supplemented with maximum limits of 5×10^4 cfu/g for total count and 10^2 cfu/g for moulds.

PRODUCT CHARACTERISTICS

Production Composition	Blend of essential enzymes & loyal ingredients
Occurrence	Powder
Appearance	White to Off White



OPERATING PARAMETERS

Temperature	8-16°C
pH	5.0-6.7

DOSING

2-4 gm per HL

PACKAGING

Available in 25 Kg HDPE drums

PRODUCT SHELF LIFE

Below 25°C	Minimum shelf life of 6 months
At 5°C	Atleast 12 months shelf life

PRODUCT HANDLING

- Enzymes are proteins. Inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes and mucous membranes upon prolonged contact. The product may create easily inhaled aerosols if splashed or vigorously stirred.
- Spilled product may dry out and create dust. Spilled material should be flushed away with water. Avoid splashing. Left over material may dry out and create dust.
- Wear suitable protective clothing, gloves and eye/face protection
- Contaminated cloths should be properly washed
- MSDS is supplied with the product. Follow MSDS safety instructions for more details.

Catalysts Biotechnologies Pvt Ltd

ISO 9001:2015 Certified | FSSC 22000 Certified

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Certifications:

