

# Natufine™ PLUS

An Efficient Solution for Brewery Industry



Catalysts

*making things happen...*

Natufine Plus is a purified fining agent consisting of Collagen produced from the traditional source, predominantly swim bladders of fish. Natufine Plus is supplied as an easy to dissolve powder yet still maintains the properties of finings prepared over a long period of time.

Natufine Plus speeds up and improves beer clarification by accelerating the sedimentation of Hop Recovery yeast & other insoluble material into a compact layer at the bottom of the storage tank. At the pH of beer a positive charge of Natufine Plus neutralizes the negative charge of the yeast cells, destroying the mutual repulsion that keeps the cells in suspension and promoting rapid flocculation that settles the yeast cells quickly to the bottom of the tank.

## **BENEFICIARY FUNCTIONS**

- Natufine Plus substantially reduces setting time of yeast and reduces time in storage
- Natufine Plus dramatically increases the quantity of yeast and proteinaceous solids deposited out during storage, leaving beer so clear that the filtration process period can be reduced to single pass
- Tanks bottoms are better compacted giving sharp interface between clear beer and sediment resulting in a better recovery of beer
- Use of Natufine Plus results in significant increase in filter throughput with savings of filtrations aid, time and labour
- Natufine Plus prepared under ideal conditions is ready to use after only half-hour of mixing

## **PRODUCT APPLICATION**

Natufine being added as a 0.5% solution in cold water (approx. 4-5°C) and give retention of 30 minutes. Natufine solution must be added to beer entering the storage period in a manner which ensures effective mixing. Metering finings into the beer stream throughout the filling of the primary storage tanks, or addition from a stainless-steel cask under CO<sub>2</sub> pressure via sample point throughout filling have both been found to give highly satisfactory results.

Malt Milling



Malt Mashing



Wort Separation



Wort Boiling



Hop Recovery



Wort Clarification



Wort Chilling



Aeration & Pitching



Fermentation



Filtration



Storage



Bottle & Cask Filling

## **PRODUCT CHARACTERISTICS**

Occurrence	Powder
Appearance	White to Off White

## **DOSING**

4-6 gm per HL

## **PACKAGING**

Available in 25 Kg HDPE Drums

## **PRODUCT SHELF LIFE**

Indefinite shelf life under cool & dry condition	
At 5°C	0.5% stock solution stables for 3 weeks

# Natufine™ PLUS



ISO 9001:2015 Certified | FSSC 22000 Certified

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Certifications:



CBTPL/CC/PLS/B014, Ver No. 2020/ 1.0