



OptiFerm®

Complex nutrient for alcoholic fermentation, combining inactivated yeast, diammonium phosphate and thiamin (vitamin B1). OptiFerm® greatly improves the kinetics of the alcoholic fermentation and enhances the yeast's cellular multiplication.



PRODUCT CHARACTERISTICS

- ◆ **Formulation:** Inactivated yeast (*Saccharomyces cerevisiae*), diammonium phosphate and thiamine (Vitamin B1).
- ◆ **Enological benefits:** OptiFerm® provides all of the **nutritional elements** required for a good alcoholic fermentation. It contains **thiamine** (vitamin B1) which optimises the yeasts' metabolism and facilitates the **start of the alcoholic fermentation**.

Diammonium phosphate (E342) provides a source of mineral nitrogen that is directly assimilable by yeast, ensuring **rapid growth** of the yeast population at the beginning of the fermentation. The yeasts' subsequent **viability** is ensured by the inactivated yeasts that are rich in survival factors.

OptiFerm® therefore acts on each phase of the alcoholic fermentation and gives **clean** fermentations without any obstacles.



DIRECTIONS FOR USE

- ◆ Dissolve in 10 times its weight in water or must. Add at the first half of fermentation during a pump-over.
- ◆ **Dosage:** 10 to 40 g/hL according to must assimilable nitrogen.
20 g/hL of OptiFerm® provides 30 mg/L of assimilable nitrogen (YAN). This product also provides thiamine.
Maximum legal dosage (EU regulation): 42,85 g/hL. (At this dosage, the maximum authorised dosage of thiamine is added: 60 mg/L).



SPECIFICATIONS

PHYSICAL

- ◆ **Appearance & colour:** Light brown powder
- ◆ **Humidity:** < 7 %

MICROBIOLOGICAL

- ◆ **Revivable yeasts:** $\leq 10^2$ UFC/g
- ◆ **Mould:** < 10^3 UFC/g
- ◆ **Lactic bacteria:** < 10^3 UFC/g
- ◆ **Acetic bacteria:** < 10^3 UFC/g
- ◆ **Salmonella:** Absence/25g
- ◆ **Escherichia coli:** Absence/1g
- ◆ **Staphylococci:** Absence/1g
- ◆ **Coliforms:** < 10^2 UFC/g

LIMITS

- ◆ **Lead:** < 4 mg/kg
- ◆ **Mercury:** < 1 mg/kg
- ◆ **Arsenic:** < 3 mg/kg
- ◆ **Cadmium:** < 1 mg/kg
- ◆ **Iron:** < 35 mg/kg



PACKAGING & CONSERVATION

- ◆ Bags of 1 kg and of 20 kg (in 20 kg box).
- ◆ Store in its original packaging hermetically sealed, in a cool, clean and dry place without odors. Respect the optimal date of use written on packaging. Use quickly after opening.