

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 40 mg/L of assimilable nitrogen (YAN), of which 30 mg/L under ammonia form and 10 mg/L under amino form. It also provides 0.26 mg/L of 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:** ≤ 10² UFC/g
- **Mould:** < 10³ UFC/g
- **Lactic bacteria:** < 10³ UFC/g
- **Acetic bacteria:** < 10³ UFC/g
- **Salmonella:** Absence/25g
- **Escherichia coli:** Absence/1g
- **Staphylococci:** Absence/1g
- **Coliforms:** < 10² 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.

GN/11-10-2022. For oenological use. This document is correct at the time of publication and is provided for information purposes only, without commitment or guarantee. This product should be used in accordance with the relevant legislation and standards. In accordance with the EU Regulation n°2019/934 (and its modifications).

LAMOTHE-ABIET

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