



Vitaferment®

Vitaferment® is a nutrient for alcoholic fermentation that helps yeast multiplication and reduces fermentation deviations.



PRODUCT CHARACTERISTICS

- ♦ **Formulation:** Ammonium sulphate and thiamine hydrochloride (Vitamin B1).
- ♦ **Enological benefits:** To ensure a good start to the alcoholic fermentation, the yeast must have all the **nutritional elements** that they require for their **multiplication** and fermentary metabolism, including thiamine and assimilable nitrogen.

The must does not always contain enough of these elements, making it necessary to add them. Vitaferment® helps to ensure the availability of these nutrients. It **promotes yeast multiplication** at the beginning of the fermentation, thus **limiting problems** during the fermentation.



DIRECTIONS FOR USE

- ♦ The addition must be determined according to the must's initial deficiency. Add after inoculating with ADY (do not mix the preparations) and/or after the first third of the fermentation. Add directly into the must and homogenise with a pumper-over. Incorporate in 2 steps: half of the amount is added after yeast inoculation, after dissolution into a small amount of must ; the other half is added during an aerated pump-over when must specific gravity has fallen by 0.03 units (make preliminary air exposure test).
- ♦ **Dosage:** 10 to 50 g/hL. 10 g/hL bring 21 mg/L of assimilable nitrogen.
Maximum legal dosage (EU regulation): 50 g/hL (at this dosage, the maximum authorised dosage of thiamine is added: 60 mg/hL).



SPECIFICATIONS

PHYSICAL

- ♦ **Appearance & colour:** Colourless crystals
- ♦ **Solubility in water:** Soluble

COMPOSITION

- ♦ H_2SO_4 : > 73.5 %
- ♦ NH_3 : > 25 %
- ♦ **Thiamine hydrochloride:** about 0.120 %

IDENTIFYING CHARACTERISTIC

- ♦ **pH (at 1%-25°C):** about 5.5

LIMITS

- ♦ **Lead:** < 3 mg/kg
- ♦ **Mercury:** < 1 mg/kg
- ♦ **Arsenic:** < 3 mg/kg
- ♦ **Iron:** < 50 mg/kg
- ♦ **Sulphuric ashes:** ≤ 5 g/kg
- ♦ **Chlorides (expressed in HCl):** < 1 g/kg
- ♦ **Nitrates:** Absence
- ♦ **Phosphates (expressed in phosphorus):** < 500 mg/kg



PACKAGING & CONSERVATION

- ♦ Bags of 1 kg and bags of 5 kg (in 20 kg box). Bags of 25 kg.
- ♦ 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/07-07-2021. 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).

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