



VinoProtect®

Vinoprotect® is a cellulose gum designed to stabilise potassium bitartrate against the risk of precipitation in still or sparkling wines.



PRODUCT CHARACTERISTICS

- ◆ **Formulation:** Cellulose gum solution at 50 g/L (carboxymethylcellulose or CMC) – E466. Contains sulphites (E220).
- ◆ **Enological benefits:** Lamothe-Abiet has selected an **effective, neutral tasting and easy-to-use cellulose gum**. This product, specifically made for use on wine, has been selected with respect to two constants: its degree of substitution (DS) and its degree of polymerisation (DP). These two parameters determine the product's viscosity and solubility in water. Vinoprotect® is the best compromise between these two criteria and the ability to stabilise wine against risks of potassium bitartrate precipitation at wines' pH at temperatures.
- ◆ **Main effect:** Vinoprotect® has a "colloid protector" effect, inhibiting the nucleation of tartrate crystals, thus blocking the development of tartrate microcrystals and their subsequent precipitation.



DIRECTIONS FOR USE

- ◆ Vinoprotect® is in a liquid form (5% preparation) for an easier use. *Use before final filtration:* Add Vinoprotect® 24 hours before bottling on clarified and pre-filtered wine if necessary. Dissolve in wine and add it using a metering pump during a pumping over. *Use after final filtration:* Add Vinoprotect® after the last filtration with a dosing pump. For sparkling wines, Vinoprotect® is added at the tirage or disgorging.
- ◆ **Recommended dosage:** 14 to 40 cL/hL depending on wine instability. Doses are provided as a guide. The optimal dose will be determined by a laboratory test or on the advice of your oenologist.
- ◆ **Maximum legal dosage: 40 cL/hL (20 g/hL).**
- ◆ **General Precautions:** Use Vinoprotect on wines previously stabilised against protein haze. Do not use on wine stabilised with Lysozyme.



SPECIFICATIONS

PHYSICAL

- ◆ **Appearance & colour:** Very pale yellow liquid

CHEMICAL

- ◆ **pH:** 3,5 ± 0,3
- ◆ **SO₂ (E 220):** 2,0 g/L ± 0,5

LIMITS

- ◆ **Lead:** < 0,1 ppm
- ◆ **Arsenic:** < 0,1 ppm
- ◆ **Mercury:** < 0,1 ppm
- ◆ **Cadmium:** < 0,1 ppm
- ◆ **Sodium:** < 12,4 %
- ◆ **Free Sodium Glycolate:** < 0,4 %
- ◆ **Sodium chloride:** < 0,5 %



PACKAGING & CONSERVATION

- ◆ Cans of 5 kg (4,9 L) (box of 4 cans) and cans of 20 kg (19,5 L). Containers of 1 025 kg (1000 L).
- ◆ 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.