

**STABILIZING AGENTS**

# ENARTISSTAB MICRO

Chitosan-based preparation specifically for microbiological stabilization of wine.

	<p><b>COMPOSITION</b> Chitosan derived from <i>Aspergillus niger</i>, E300 L-ascorbic acid, E270 (+) - lactic acid, E330 citric acid</p>
	<p><b>GENERAL CHARACTERISTICS</b> EnartisStab Micro is a chitosan-based preparation with strong antimicrobial activity. The production process and activation with organic acids increases the surface charge of chitosan and increases its ability to interact with microbial cells, altering the permeability the cell membrane and causing death. EnartisStab Micro reduces the development and facilitates the elimination of many native bacteria and yeast that can alter organoleptic characteristics of wine during ageing and/or post bottling: <i>Brettanomyces</i>, <i>Oenococcus</i>, <i>Lactobacillus</i>, <i>Acetobacter</i>, <i>Zygosaccharomyces</i>, etc. EnartisStab Micro also improves the clarification and filterability, increases aromatic cleanliness by adsorbing off aromas produced by spoilage microorganisms such as volatile phenols and sulfur compounds, reduces the content of copper and iron, improving wine resistance to oxidation and reduces the content of ochratoxin A. EnartisStab Micro is allergen-free and vegan-friendly.</p>
	<p><b>APPLICATIONS</b> All wine from ageing to preparation for bottling:</p> <ul style="list-style-type: none"> <li>▪ Prevent and reduce unwanted microorganisms</li> <li>▪ Delay or avoid malolactic fermentation (allergen-free alternative to lysozyme)</li> <li>▪ Reduce off-flavors produced by spoilage microorganisms</li> <li>▪ Improve clarification and filterability</li> </ul>
	<p><b>DOSAGE</b> Preventative: 3-5 g/hL Curative: 10-15 g/hL. Up to 20 g/hL or more when desired, in addition to antimicrobial activity, other effects such as reduction of metals or other contaminants.  Dosages vary depending on characteristics of the wine (pH, turbidity, microbial load, etc.), objective, species of spoilage microorganisms and duration of treatment.</p>
	<p><b>INSTRUCTIONS FOR USE</b> Dissolve EnartisStab Micro in a 1:20 ratio in water or wine, mixing constantly until obtaining a homogeneous suspension. Add uniformly to wine during a pump over, preferably using a Venturi tube. Keep in suspension for 30 minutes. The product should be in contact with the full volume of the wine. The amount of time will depend on the dose used and the microbial load of the wine. The antimicrobial effect begins in the first hours of treatment. The product can be removed after the second and third day. For best results, rack and/or filter the wine 5-8 days after the start of treatment. In the case of using it as a preventative treatment during aging in tanks or barrels, EnartisStab Micro can remain in contact with wine for months. In this case, periodic mixing to re-suspend into the entire volume of the wine is necessary to improve its efficacy. It is recommended to run routine chemical and microbiological analysis on the wine. For more information on the doses and methods of use of EnartisStab Micro, contact the Enartis technical team.</p>
	<p><b>PACKAGING AND STORAGE CONDITIONS</b> 0.5 kg Sealed package: store in a cool, dry and well-ventilated area. Opened package: carefully reseal and store as indicated above. Once opened, use quickly.</p>

The indications given here correspond to the current state of our knowledge and experience, however they do not relieve the user from compliance with safety and protection regulations or from improper use of the product.



#### COMPLIANCE

Product made of raw materials that are approved for winemaking in accordance with:

- Codex Œnologique International
- Reg. (EU) 2019/934 and subsequent amendments
- Product approved by the TTB for winemaking in accordance with 27 CFR 24.246. Maximum legal dosage is 500 g/hL.

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