Inspiring innovation.

TECHNICAL DATA SHEET

FINING AGENTS

STABYL MET

Selective removal of heavy metals

COMPOSITION
Co-polymers of vinylimidazole and vinylpyrrolidone (PVI/PVP).

GENERAL CHARACTERISTICS
Stabyl MET is a fining agent that selectively removes heavy metals, mainly copper, from wine and juice. PVI/PVP actively absorbs heavy metals and partially removes phenolic compounds like hydroxycinnamic acids and low molecular weight catechins.

APPLICATIONS

- Prevention of turbidity and precipitates: the presence of a high content of copper, iron and aluminium is the cause of the appearance of visual defects such as iron and copper hazes Stabyl MET is able to reduce the content of these metals and avoid the formation of hazes.
- Production of more intense and stable aroma: copper and iron catalyze the reactions that cause the oxidation of aromatic compounds. By selectively eliminating these heavy metals (mainly copper), Stabyl MET prevents the destruction of primary and secondary aromas. This allows for the production of wine with more intense, persistent and stable aroma.
- Prevention of browning: in white and rosé wines, the oxidation of cinnamic acids and catechin is the cause of browning. By reducing the content of these compounds, Stabyl MET produces wines with a fresher hue.
- Prevention of pinking: treatment with Stabyl MET prevents the appearance of this defect as it reduces both the catalytic effect of copper and iron and the polyphenol content of wine.
- Removes copper-bound sulfides that are responsible for release of sulfides in reductive conditions such as canned wine aging.

DOSAGE
20 – 50 g/hL (maximum legal dosage in the EU).

Preliminary laboratory trials are recommended to determine the correct dosage. Iron and copper should not be completely removed, as traces of these elements (0.05 to 0.1 mg/L for copper and 2 to 3 mg/L for iron) are important for the oxido-reductive potential of wine.

INSTRUCTIONS FOR USE
Rehydrate one part Stabyl MET in 20 parts water. Stir suspension repeatedly. After it has swelled for at least 60 minutes at 18-20°C (65-68 °F), it can be added directly to the tank. The product is insoluble and acts by contact. Keep in suspension for at least 1 hour knowing that the longer the time, the better the effectiveness. Stabyl MET must then be removed from wine by filtration within 2 days in accordance with Regulation (UE) 2019/934.

PACKAGING AND STORAGE CONDITIONS
2.5 kg,10 kg

Sealed package: store in a cool, dry, well-ventilated area.
Opened package: carefully reseal and store as indicated above.

COMPLIANCE
The product is in compliance with:
Codex Œnologique International

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	Product approved for winemaking in accordance with Reg. (EU) 2019/934 and subsequent amendments. Product approved for winemaking by the TTB Approved under 27 CFR 24.250 Legal Limit: The amount of Stabyl MET used shall not exceed 80 g/hL. As Per FDA regulations 21 CFR 173.50 and FCN 320: The polymer is to be completely removed from the beverage by filtration and is limited to single use applications.

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Revision: n°4 February 2022