



# **STABYL MET**

## **SELECTIVE REMOVAL OF HEAVY METALS**

### COMPOSITION

Co-polymers of vinylimidazole and vinylpyrrolidone (PVI/PVP in a ratio of 9:1), silicon dioxide.

### GENERAL FEATURES

Appearance: White to creamy, slightly hygroscopic powder, insoluble in water and all common solvents.

STABYL MET is a fining agent that selectively removes heavy metals, mainly copper, from wine and juice.

PVI/PVP is the component that actively absorbs heavy metals and that partially removes phenolic compounds like hydroxycinnamic acids and low molecular weight catechins.

Silicon dioxide helps PVI/PVP precipitation and formation of compact lees.

### APPLICATIONS

- *Production of more intense and stable aroma:* copper and iron catalyse 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 the production of wine with a more intense, persistent and stable aroma.
- *Prevention of browning:* STABYL MET adsorbs phenolic compounds such as 3,4-dihydroxycinnamic acid derivatives, that are the starting point of the browning process and allows to obtain a fresher colour.
- *Prevention of pinking:* by eliminating catalysers of oxidation such as copper and by reducing the polyphenolic content of wine.
- *Prevention of hazes:* a high content of copper cause haze appearance. STABYL MET selectively removes this metal and prevents haze.

### DOSAGE

20 – 50 g/hL

Maximum legal dosage in the EU: 50.5 g/hL.

Preliminary laboratory trials are recommended to determine the correct dosage, in particular when treating wines. 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 oxidoreductive potential of wine.

### INSTRUCTIONS FOR USE

Rehydrate one part of STABYL MET in 20 parts of water. The suspension is prepared by repeated stirring. After it has been allowed to swell 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 it in suspension for at least 1 hour knowing that longer the time, better the effectiveness. STABYL MET must be removed from then wine by filtration within 2 days in accordance with Regulation (EU) N.175/2015.

### PACKAGING AND STORAGE

2.5 – 10 kg

Sealed package: keep in a cool, dry, well-ventilated area.

Open package: carefully reseal and keep it as above indicated.



*Fining Agents*  
**STABYL MET**

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Product made of raw materials that are approved for winemaking, in accordance with:  
Reg. (CE) N. 606/2009 - Reg. (EU) N. 1576/2015

Product made from raw materials that conform to the characteristics required by the:  
Codex Œnologique International

Product approved for winemaking by the TTB.

Approved under 27 CFR 24.250

Legal Limit: The amount of STABYL MET used shall not exceed 80.8 g/hL.