



WINY

ANTIOXIDANT AND ANTIMICROBIAL AGENT

COMPOSITION

E 224 Potassium metabisulfite

GENERAL FEATURES

Appearance: crystalline white powder with a slight odor of sulfur.

WINY is used as an antioxidant and antimicrobial agent.

In must and wine WINY:

- prevents browning, loss of aromas and appearance of bitter and herbaceous characters;
- blocks the action of oxidases;
- prevents and slows the development of undesired microflora;
- accelerates the extraction of phenolic and color compounds contained in grape skins.

APPLICATIONS

Addition of sulfur dioxide to wine and must.

DOSAGE

In the **EU**, according to the Reg. (CE) N. 606/2009, the total sulfur dioxide content of wines on their release to the market for direct human consumption may not exceed:

- a) 150 mg/L for red wines;
- b) 200 mg/L for white and rosé wines;
- c) 185 mg/L for quality sparkling wines;
- d) 235 mg/L for other sparkling wines.

Regarding wines with sugar content, expressed as the sum of glucose and fructose, of not less than five grams per liter, and liqueur wines, please refer to the Reg. (CE) N. 606/2009, Annex I B.

The **TTB** states that sulfur dioxide content of finished wine shall not exceed 350 mg/L total.

For the countries outside the EU and applications other than wine, please refer to the current laws.

1 g of WINY releases approx. 0.56 g of SO₂

INSTRUCTIONS FOR USE

Dissolve WINY in a small amount of water, wine or must and add homogeneously to product to be treated.

PACKAGING AND STORAGE

25 kg bag

1 kg pack

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

Opened package: carefully reseal and store as described above.

Attention: hygroscopic product.

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The indication supplied are based on our current knowledge and experience, but do not relieve the user from adopting the necessary safety precautions or from the responsibility of using the product properly.



Sulphiting Agents

WINY

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MAIN PHYSICAL-CHEMICAL FEATURES

Formula	K ₂ S ₂ O ₅	
20% solution	appearance	powder or crystals
	color	white, slightly yellow
	odor	sulfur
5% solution	pH	4.0 - 4.6
K ₂ S ₂ O ₅ content	(%)	> 97.2
Arsenic (As)	(mg/kg)	< 3
Lead (Pb)	(mg/kg)	< 2
Sodium (Na)	(%)	< 2
Chlorides (HCl)	(%)	< 0.1

Solubility:

temperature (°C)	10	20	30	40	50	60	70	80
g K ₂ S ₂ O ₅ /100 g solution	26.3	31.0	35.3	39.0	42.7	46.2	49.3	51.9

These values were obtained using either Official or Esseco methods.
Further information not indicated here will be supplied upon request.

Product approved for winemaking by the TTB.

Legal Limit: The sulfur dioxide content of the finished wine shall not exceed the limitations.

The product is in compliance with the following specifications:

Codex CEnologique International
Regulation (EU) N. 231/2012
FCC VIII monograph requirements

Product approved for winemaking, in accordance with:
Regulation (CE) N. 606/2009