

SULPHUR

Sulphur dioxide in aqueous solution.

CHARACTERISTICS

Sulphur is an aqueous solution of sulphur dioxide.

The correct use of SO₂ allows for the creation of wines that are less oxidised, have a better colour and aroma and have less volatile acidity, due to its effects:

Antioxidant: It has reductive properties, accumulating oxygen and preventing the appearance of notes of oxidisation.

Antioxidase: It breaks down oxidase enzymes, avoiding cloudiness.

Antimicrobial: It has an inhibitive effect on yeasts, lactic acid bacteria and acetic acid bacteria.

APPLICATIONS

With must and/or wine.

ORGANOLEPTIC QUALITIES

In some cases, it improves the quality of the taste as it reacts with the acetaldehyde, removing any traces of that characteristic aroma.

In very high quantities, it may lead to a flawed aroma of the gas itself, or of sulphuric acid or derivatives.

COMPOSITION

Potassium bisulphate in aqueous solution.

Allergens: Contains sulphites

DOSAGE

Normal Quantity per Vintage.

| | |
|------------|----------------|
| Sulphur 6 | 50 – 133 ml/hl |
| Sulphur 10 | 30 – 80 ml/hl |
| Sulphur 15 | 20 – 53 ml/hl |
| Sulphur 18 | 17 – 44 ml/hl |

The quantity used depends on the health of the grapes and the acidity of the musts and wines.

For the correct amount to be used, it is necessary to note that 1 litre of:

Sulphur 6 provides 60 g/l of SO₂.

Sulphur 10 provides 100 g/l of SO₂.

Sulphur 15 provides 150 g/l of SO₂.

Sulphur 18 provides 180 g/l of SO₂.

The total sulphur dioxide content cannot exceed 150mg/l for red wines and 200 mg/l for white and rosé wines. If the quantity of residual sugar (measured in glucose + fructose) is equal or superior to 5g/l, the permitted values are 200mg/l for red wines and 250 mg/l for white and rosé wines.

INSTRUCTIONS FOR USE

The product can be directly added to the must or wine.

For better homogenisation, it is recommended that it is added using a metering pump, guaranteeing that it is done in a precise and uniform manner.

Precautions:

When dealing with a toxic liquid, precautions must be taken. Avoid contact with the eyes and mouth. This should only be done by qualified personnel.

PHYSICAL APPEARANCE

Transparent liquid with a light yellow-green colour and a slight odour of SO₂.

PACKAGING

Sulphur 6: Containers of 1, 5, 10, 22 and 1.000 kg.

Sulphur 10: Containers of 1, 5, 12, 24 and 1.100 kg.

Sulphur 15: Containers of 1, 5, 12, 24 and 1.100 kg.

Sulphur 18: Containers of 1, 5, 12, 25 and 1.200 kg.

PHYSIOCHEMICAL PROPERTIES

| | EP 659 (rev.7) | EP 660 (rev.4) | EP 661 (rev.4) | EP 578 (rev.7) |
|--------------------------------------|----------------|----------------|----------------|----------------|
| Sulphur | 6 | 10 | 15 | 18 |
| Concentration of SO ₂ [%] | 6,4-6,8 | 9,5-10,5 | 14,5-15,5 | 17,5-18,5 |
| pH | 4,0-4,9 | 3,4-4,9 | 3,4-4,9 | 3,4-4,9 |
| Density [g/ml] | 1,05-1,15 | 1,05-1,15 | 1,12-1,22 | 1,16-1,20 |
| Pb (mg/kg) | < 2 | < 2 | < 2 | < 2 |
| Hg (mg/kg) | < 1 | < 1 | < 1 | < 1 |
| As (mg/kg) | < 3 | < 3 | < 3 | < 3 |
| Se (mg/kg) | < 5 | < 5 | < 5 | < 5 |
| Na (%) | < 2 | < 2 | < 2 | < 2 |
| Chlorides (g/kg) | < 1 | < 1 | < 1 | < 1 |
| Fe (mg/kg) | < 10 | < 10 | < 10 | < 10 |

PHYSICO-CHEMICAL PROPERTIES

Keep in the original container and store in a cool, dry, odour-free place. To moderate temperatures (between 13 ° C and 25 ° C) . Temperatures keyholes at 13 ° C the product may crystallize.

Once open, use as soon as possible.

Best before: 2 years after date of packaging.

RGSEAA: 31.00391/CR

This product complies with the International Oenological Codex and EC Regulation (UE) 2019/934.