CASEINE SOLUBLE

Casein-based preparation intended for the preventative or curative treatment of oxidation in musts and white/rosé wines. Substance from cow’s milk presenting a potential allergenicity. The use of this product may cause an « allergen » labeling. Qualified for the elaboration of products for direct human consumption in the field of the regulated use in Œnology. In accordance with the regulation (EC) n° 606/2009 and the International Food Chemical Codex.

SPECIFICATIONS

Its specific formulation facilites its preparation and solubilisation in wine.

ŒNOLOGICAL APPLICATIONS

• In the case of oxidised wines (browning), CASEINE SOLUBLE decolours the wine, contributing to colour refreshment while also refining gustatory characteristics.
• In the case of botrytised harvests, CASEINE SOLUBLE is recommended in the treatment of young white or rosé wines (and reds in certain cases) to decrease the oxidized character.
• CASEINE SOLUBLE is a clarification agent which contributes to preparing wine for filtration.
• CASEINE SOLUBLE decreases the iron content in white wines.

PHYSICAL CHARACTERISTICS

Aspect ................................................................. powder
Colour ............................................................. white to creamy

Taste, smell ...................................................... fresh dairy produce
Solubility ........................................................ colloidial solution in water

CHEMICAL AND MICROBIOLOGICAL ANALYSIS

Lactose ........................................................................ < 2 %
Humidity ..................................................................... < 12 %
Fat matter ................................................................... < 2 %
Ashes .......................................................................... < 23 %
Total nitrogen ............................................................... > 13 %
Moulds CFU/g .............................................................. < 10^3
Viable Micro-organisms CFU/g ........................................ < 3x10^4
Lactic bacteria CFU/g .................................................. < 10^2
Acetic bacteria CFU/g ................................................... < 10^3
Coliformes/25g ............................................................. none
E. coli/g ................................................................. none
Salmonella CFU/100g .................................................. < 1
Staphylococcus CFU/g .................................................. ≤ 1
Iron ........................................................................... < 200 ppm
Arsenic ...................................................................... < 3 ppm
Lead .......................................................................... < 1 ppm
Mercury ...................................................................... < 1 ppm
Cadmium .................................................................... < 1 ppm
PROTOCOL FOR USE

OENOLOGICAL CONDITIONS
Treatment can be implemented at each phase of vinification, on must and on wine. The more the product to be treated is clarified, the higher the efficiency of the treatment (enzyme-treated must, racked wine). CASEINE SOLUBLE can be combined with other specific treatments such as oenological active charcoals and/or bentonites. CASEINE SOLUBLE does not generate over-finings, even at high dosages. CASEINE SOLUBLE coagulates immediately on contact with wine; the efficiency of the treatment is linked to the complete and rapid homogenisation of the product in the wine.

IMPLEMENTATION
It is recommended to prepare the caseine soluble solution 1 hour before its usage, and to use it within the same day. Dissolve CASEINE SOLUBLE in 10 times its weight in water (1 kg / 10 litres of water). Never dissolve the preparation directly in the wine, as this will provoke immediate coagulation. Mix vigorously, avoiding foam formation. Slowly and regularly incorporate using an OENODOSEUR to ensure perfect homogenization in the wine, or by means of a pump-over.

STORAGE
• Store in original sealed packages, in a cool dry place (off the floor) in an odour-free environment.
• Optimal date of use: 2 years.

PACKAGING
1 kg bag, 10 kg box.
5 kg bag, 10 kg box.
20 kg sack.

DOSAGE
• Treatment dosages are previously specified by laboratory testing.
Recommended dosages of CASEINE SOLUBLE can be defined as follows:
Preventative treatment  20 – 30 g/hL.
Curative treatment  30 – 60 g/hL.