



# LIST OF PRODUCTS ALLOWED in **ORGANIC** winemaking

Winemaking products made from substances **AUTHORIZED** for use in the production of organic wines in accordance with Regulation EU 2021/1165 and **NOP**





Perdomini SpA declares that the winemaking products listed below, which it markets and/or produces at its own facilities, are made using substances which are authorized for use in the production of organic wines in accordance with Regulation EU 2021/1165 and with NOP for the USA. They may be directly allowed or permitted if they have been derived from organic base materials, where available (for products marked with \*, an ad hoc declaration needs to be obtained from Perdomini). The technical information sheets for each product listed can be downloaded from [www.perdominiwine.com](http://www.perdominiwine.com). It is the customer's responsibility to obtain information from its own certification bodies and check that the products and their applications (stated below) are compliant.

 = **ORGANIC** AUTHORIZED  
 = **NOP** AUTHORIZED



## 0

### OPTIMIZATION OF ALCOHOLIC FERMENTATION



#### Yeast protection

-   **Ecobiol Pied De Cuve** Inactive yeast (*Saccharomyces cerevisiae*). Provides a wealth of secondary nutrients which allow the yeast cells to keep their functions intact.
-   **Ecobiol Pied De Cuve Arom** Inactive yeast and autolysed yeast (*Saccharomyces cerevisiae*) packed with free (bioavailable) amino acids which adds vitamins, minerals, fatty acids and sterols to the medium.








#### Pesticide reduction

- \* **Absorbe MV** This product selectively reduces pesticide content. For use during alcoholic fermentation or during clarification of the wine. Can be used on both red and white wines.
- \* **Absorbe SP** Blend of yeast hulls from various strains of *S. cerevisiae*. Ideal for reducing pesticide residues, which can potentially inhibit alcoholic fermentation or bubble production. Absolute SP is recommended for use in base wines destined to become sparkling wines.

#### Detoxify the biomass

-   **Must Clean** 100% *Saccharomyces cerevisiae* yeast hulls with high detoxifying power. Cellclean yeast hulls absorb alcoholic fermentation inhibitors such as medium-chain fatty acids (hexanoic acid, octanoic acid and decanoic acid) and residue of plant protection products.

#### Organic nutrition

-   **Classic Phosphate** Nitrogen-rich additive designed to allow yeasts to multiply more successfully.
-   **Ecobiol ICE** Yeast nutrient to enhance freshness sensation of white and rosé wines.
-  **Ecobiol Org** An alcoholic fermentation nutrient, 100% organic with added thiamine. When used in yeast inoculation and 1/3 of the way through fermentation, it generates greater production of fruity and floral aromas and reduces the production of sulphur.
-   **Ecobiol Safety** Is a 100% organic nutrient to be used at the two-thirds stage of alcoholic fermentation. It's made from a yeast autolysate with a high aminic-nitrogen content and yeast cell walls which adsorb the inhibitory toxins that can accumulate during fermentation. Ecobiol Safe allows the yeast populations to activate their sugar-consuming metabolisms and to limit the stress they suffer as a result of the accumulation of toxic substances.

#### Mixed nutrition

-  **Ecobiol Perlage** A special regulator for secondary fermentation that generate ammoniacal nitrogen and amino-acid nitrogen. It does not contain inert material. It enables the yeast to express its aromatic potential in full. It does not generate sulphates.





#### Inorganic nutrition








-  **Phosphate diammonique** Inorganic nutrition.

## 1













### YEASTS FOR ALCOHOLIC FERMENTATION

#### La Claire range

-  \* **C58** For elegant and complex ageing red wines, where the main desired features are taste characteristics and primary and secondary aromas.
-  \* **CGC62** For "important" white wines, where the aim is to exalt the olfactory impact in terms of intensity and complexity. For floral wines (white flowers) and fruity wines (citrus fruit in general and wild apple).

-  **EM2** For “important” white wines or ageing white wines, where the aim is to exalt primary aromas, the typical character of the grape variety and the sensory complexity of the wine.
-  **eXtase** Yeast isolated from Sauvignon Blanc grapes in the Bordeaux region. Distinguished by its ability to strongly enhance the strength of aromas – in particular citrusy notes, which provide a very pleasant sense of freshness on the nose and in the mouth. With adequate nitrogen-rich nutrition and low-temperature fermentation, La Claire eXtase facilitates the development of a fruity aromatic profile (esters/acetates), while at higher average temperatures it encourages the development of very intense thiol and citrus aromas.
-  **eXtreme** *Saccharomyces cerevisiae* strain isolated in Napa Valley, California. Ideal for optimal management of the alcoholic fermentation of quality wines with a high alcohol content. Experiments carried out by Perdomini in cooperation with various research institutes on the synergy between yeasts and bacteria have shown it to be highly compatible with the co-inoculation procedure.
-  **SP665** For red and white wines, especially recommended in prise de mousse to produce wine that reflects the typical characteristics of the area and the grape variety. For musts that are difficult to process in limited conditions (amarone, passiti etc.).
-  **T73** For balanced young or new wines, rich in fragrances (red fruits), while respecting the typical colour of the grape variety.
-  **Varietal Touch** A special yeast for wines with a strong varietal character, ideal for quality white wines. Thanks to its unique enzyme properties, La Claire Varietal Touch can reveal the varietal aromas present in the must.
-  **VDP** For white wines with a strong aromatic character, used to enhance the aromatic and floral components. It is especially recommended for the prise de mousse of neutral or semi-aromatic wines.




## Blastosel range

-  **Delice** Yeast strain selected for its ability to optimize the taste of quality red wines by releasing mannoproteins that help to improve in-the-mouth sensations and to reduce astringency. The sensory input of Blastosel Delice lies in the enhancement of notes of red berries, dark berries and spices.
-  **Delta** Characterised by regular and rapid fermentation with cleaning, even in the most difficult situations. Resistant to high sugar and alcohol levels, medium-low nitrogen requirement.
-  **FR95** For ready-to-drink white wines with a decisive fruity character, where the aim is to enrich the aromatic properties with aromas that are a perfect match for the natural endowment of the grape variety.
-  **Grand Cru** For “important” red wines, in order to develop intense aromas (spicy and fruity in general). It does not produce sulphur aromas.
-  **Horizon** This strain displays excellent fermentation activity and is perfect for use on both white and red musts to enhance varietal characteristics. Suitable for primary fermentation, as long as temperature and nutrition conditions are favourable.
-  **Kappa** The fermentative, nutritional and sensory properties of Blastosel Kappa make it a highly useful strain both when making the base wine and during secondary fermentation.
-  **Lambda** Boasts strong resistance to alcohol and good alcohol production. Suitable for use in the case of stuck fermentation and secondary fermentation in sparkling wines.
-  **MV** Presents excellent fermentation activity and helps produce wines without a particularly high alcohol content.
-  **P346** A yeast for the fermentation of aromatic white wines, excellent for the production of aromatic and fresh (citrus fruit, white flowers) *Charmat* sparkling wines. Guaranteed regular fermentation, even in conditions with low temperatures.
-  **Terroir** Blastosel Terroir is especially recommended for producing high-quality white wines, as it has the capacity to draw out the varietal characteristics of the grapes used in the wine.
-  **VS** The unique characteristics of Blastosel VS make it ideal for red and rosé wines. Also a useful aid in the event of sluggish or stuck fermentation.
-  **WhiteFeel** Yeast strain selected for its ability to enhance exotic-fruit and citrus-fruit aromas (pineapple, grapefruit) in white and rosé wines. Creates balance between roundness and freshness.





## T

## TREATMENTS CONTAINING SELECTED YEAST DERIVATIVES







### Before and during the fermentation

-  **Ecobiol Arom Protect** This blend of tannins and yeast polysaccharides is effective thanks to the synergy between specific polysaccharides and tannins, which leads to effective preservation of colour, aromas and flavours in white and rosé wines. Performs a targeted action against oxidation at the pre-fermentation stages. Ecobiol Arom Protect is an effective alternative to using SO<sub>2</sub>.
-  **Ecobiol Rouge** A product derived from yeast hulls, rich in rapid-release parietal polysaccharides. When used during fermentation, it makes it possible to obtain more stable wine in terms of colour and flavour (softness and structure) and the bouquet in general.
-  **Ecobiol SH** An alcoholic fermentation nutrient without ammonium salts, which only generates amino-acid nitrogen. It also reduces hints of sulphur that develop during alcoholic fermentation.

### Ageing adjuvants

-  **Clean Off** An ageing additive made with inactive yeast rich in copper, makes it possible to absorb products that cause reduction smell without adding copper to the wine.
-  **Élevage Fast** A complex formula made with yeast rich in parietal polysaccharides. It generates a tenfold increase in sensations of fat, roundness and volume in the mouth.
-  **Élevage Red** A complex formula made with yeast rich in parietal polysaccharides. It generates a tenfold increase in sensations of fat, roundness and volume in the mouth.
-  **Élevage White** A complex formula made with yeast rich in parietal polysaccharides. It generates a tenfold increase in sensations of fat, roundness and volume in the mouth.





## Pre-bottling treatments

-  **Release Antiox** Preparation made from 100%-soluble yeast mannoproteins which have been selected specially for their ability to improve white and rosé wines. Release Antiox is particularly effective at drawing out citrusy thiol notes, leading to intense freshness in the mouth. Our research has demonstrated the ability of Release Antiox to bring the structure of wines back into balance, reduce dryness and astringency, and increase the persistence of aromas and flavours.
-  **Release Crispy** A product made with special completely soluble mannoproteins. When added to the wine before bottling, it stabilises the softness (“sugariness”) and aromatic persistence by increasing the overall freshness of the wine. It does not alter the filterability of the wine.
-  **Release Liquid** Liquid preparation made from selected mannoproteins which interacts with the aromatic components of the wine. Increases the colloidal balance of the wine and increases both length in the mouth and “sugariness”.
-  **Release Liquid Mineral** Selected mannoprotein fractions in liquid form for instant activation and solubility in the wine to add a touch of freshness in terms of the balance of flavours. In red wines, this product is highly effective at reducing sourness and astringency, while in white wines it enhances sapidity.
-  **Release Liquid Spark** Selected mannoprotein fractions in liquid form for instant activation and solubility in the wine, leading to creamier bubbles. Provides significant help in attaining a finer perlage in sparkling wines produced using the *Charmat* method.
-  **Release Round** A product made with special completely soluble mannoproteins. When added to the wine before bottling, it stabilises the softness (“sugariness”) and aromatic persistence by increasing salinity and roundness and decreasing acidic edges. It does not alter the filterability of the wine.








## E

## OENOLOGICAL ENZYMES

### Eno&Zymes Range

-  **ClearSpeed** A granular pectolytic enzyme to accelerate the clarification of white must, thereby guaranteeing fresher, fruitier aromas.
-  **ProcessExtreme** In granule form, for clarifying or macerating troublesome base materials. Thanks to its formula, it is active even at low pH and in difficult conditions in general. Suitable for working on sparkling-wine bases or not-fully-ripe grapes.
-  **SweetPress** A granular pectolytic enzyme for the skin maceration of white grapes. It is conducive to aromatic extraction.
-  **TrueColor** A granular pectolytic enzyme for maceration of red grapes. It is conducive to the breakup of tannins, polysaccharides and aromatic precursors contained in the skin.

### Zimopec Range




-  **Clear Flash** A liquid enzyme for the clarification of white wines. The formula makes it possible to obtain clear must in rapid time and at low temperatures.
-  **Flotto Flash** A liquid enzyme for continuous and discontinuous flotation. The formula makes it possible to obtain clear must in rapid time and at low temperatures.
-  **P110L** A liquid enzyme formula for the clarification of white must. The formula makes it possible to obtain clear must in rapid time.
-  **PML** A liquid enzyme formula for the pre-fermentation maceration of white grape varieties. It is conducive to the release of aromatic precursors. It increases the yield of flower must.
-  **Press Flash** A liquid enzyme for the skin maceration of white grapes.
-  **PX5** A solid enzyme formula for optimising the extraction of precursors and polyphenols from red grape varieties. It improves the sensory profile.
-  **PXL-09** A liquid enzyme formula for extraction from red grape skins. It improves the overall quality and the production processes.

\*\* =Only when used for oenological clarification.

## B






## BACTERIA FOR MALOLACTIC FERMENTATION

### Direct inoculation bacteria







-  **Ecobiol FML** Nutrient for malolactic bacteria.
-  **Kit Malica** Lactic acid bacteria for oenological use. Kit includes one pack of active freeze dried and concentrated bacterial culture in powder form and one pack of bacteria activator in powder form.
-  **Malo Direct** Lactic acid bacteria for oenological use. Kit includes one pack of active freeze dried and concentrated bacterial culture in powder form and one pack of bacteria activator in powder form.

## VINIFICATION AND FINING

### Bentonite clays

-  **Bentonite Compact Due** Bentonite Compact Due is a sodium-activated calcium bentonite particularly recommended for use in clarifying wines, must, fruit juices and vinegar. By eliminating the most common sources of instability, it not only provides greater limpidity but also greater stability.
-  **E-Benthon Extra** High-efficacy activated sodium bentonite in powder form. To be used in clarification and stabilization processes performed on wine and must. E-Benthon Extra flocculates rapidly and the lees which sink to the bottom are compact.
-  **E-Benthon Super Gran.Spec.Flottaz.** E-Benthon Super is an activated sodium bentonite in granules which is particularly useful for flotation.
-  **Miracolo** Is an activated bentonite with high clarifying power to be used in the treatment of musts and white and red wines.
-  **Pentagel** Maximum-efficacy activated sodium bentonite in granules. Suitable both for removing the lees from must and clarifying and stabilizing wine.





### Anti-oxidation treatments

-  **Alpha Caseinate** Ultra-pure potassium caseinate, highly soluble and with an exceptionally high protein content. Particularly recommended for the prevention and treatment of oxidation defects in wine.
-  **Caseo Star** Polycompound clarifying agent specially designed for use in white must and wine.
-   **Clear GT R** Polycompound clarifying agent free from allergenic substances and GMOs, made from yeast hulls, plant-based proteins obtained from peas and silica gel. Recommended for red wines.
-  **P-Fresh** Clarifier and stabilizer free from allergenic substances and GMOs, made from plant-based proteins extracted from peas, together with carbon and isinglass. P-Fresh is an energetic clarifier leading to really bright wines. Also optimal for use in clarifying white wines.
-  **P-Green** Polycompound clarifying agent free from allergenic substances and GMOs, made using plant-based proteins obtained from peas together with isinglass. Perfect for clarifying top-quality wines.



### Riddling adjuvants

-  **Remuage 1** Is a bentonite-based preparation which facilitates the remuage process in sparkling wines. Can be applied both to traditional and automatic remuage procedures.

















### Alternative solution

-  **Clear GT Flot** Liquid preparation for flotation, based on vegetal carbon, free from products of animal origin.
-   **Clear V** Plant-based protein extracted from peas; allergen free and GMO free. Combats oxidation in must and wine.
-  **Clear V Flot** Liquid additive made from pea protein, for performing fining or flotation on must. Recommended as a preventive treatment for musts at high risk of oxidation, Clear V Flot significantly increases resistance to oxidation, enhances sensory properties, reduces bitter tastes and eliminates vegetal or grassy notes from wines subject to oxidative browning.

### Vegan-friendly chitosan-based fining agents

-  **PK Flot** Liquid additive made from fungal-origin chitosan and pea protein, for performing fining or flotation on white and rosé must. Thanks to the synergistic action of its components, PK Flot leads to quicker, more effective flocculation and sedimentation. Perfect for use in flotation, as it's easy to use and leads to swift detachment of solid particles from the liquid interface.
-  **PK Sol M4** Clarifying and stabilising agent based on Chitin derivatives in synergistic formulation with Pea protein and Silica gel.









### Fining agents

-   **Atomized Gelatin** Porcine-derived, food-grade gelatine with a high degree of hydrolysis. Cold soluble. Especially suitable for removing the tannins responsible for astringency and bitter tastes.
-  **Brilliance Liquid** High-quality liquid isinglass stabilized using sulphur dioxide, ready to use.
-  **Cristalline Plus** Isinglass used to clarify and stabilize white and rosé wines. Enhances the brightness and softness of the wines.
-  **Istant Gel** Clarifying agent based on porcine gelatine, in 30% aqueous solution.
-  **Istant Gel 45** Clarifying agent based on porcine gelatine, 45% aqueous solution.
-  **Istant Gel 10** Pure gelatin solution with 10% concentration, suitable for clarifying treatments of musts and wines. The procedure with which the product is obtained ensures the physical stability of the solution over time.
-  **Mixgel SA** High-efficacy polycompound clarifying agent suitable for treating musts, wines and fruit juices. Allows these products to be protected from the cloudiness caused by proteins and from the oxidation of colour-producing substances.
-  **Ovoclar** Egg white for use in clarifying and stabilizing red wines.
-  **Pescecol Plus** Is a preparation for the clarification and stabilization of white and rose wines. It is very powerful at removing particles from suspension in difficult wines. It also improves filterability and stability, producing brilliant clarity.
-   **Powdered Gelatin** Porcine-derived, food-grade gelatine with strong gelling power (80-100 °BLOOM). Soluble in hot liquid. Suitable for clarifying white and red musts.
-   **Xiles 40** Is a high-quality, highly concentrated (40%) colloidal silica solution which can be used in clarification processes on white musts and wines as well as fruit juices.
-   **YPRO** Protein-rich yeast extract which provides a powerful clarifying action and aid to rapid sedimentation. It fines the wines by eliminating any hard or bitter sensations, yet preserves the desirable sensory characteristics.




## S

## STABILIZERS




## Gum Arabic: stabilization/protection

-  \* **Dry Gum L** High-quality gum arabic extracted from the *Acacia senegal* and distinguished by its levorotatory action. Dry Gum L has the power to act as a protective colloid on iron, copper, colour-producing matter and colloidal substances.
- \* **Ready Gum Dolce** Stabilizing solution made using gum arabic in a solution obtained from *Acacia seyal*.
- \* **Ready Gum Elite** Stabilizing solution derived from the *Acacia senegal* and characterized by a levorotatory action. Suitable for microfiltration, it stabilizes colour, as well adding body, structure and softness to the wine.
- \* **Ready Gum L** Stabilizing solution extracted from the *Acacia senegal* and characterized by a levorotatory action. Ready Gum L has the power to act as a protective colloid on iron, copper, colour-producing matter and colloidal substances.
- \* **Ready Gum Mix** The peculiar combination of gum arabic and citric acid improves the protective action against ferric phosphate and oxidase casse. The polysaccharide nature also gives the wine a better, rounded and smooth taste.
- \* **Ready Gum Stab** Essential to prevent instability problems, acts by enveloping colloidal particles and thus preventing them from can aggregate into colloids of a size that can cause problems of physical instability.
- \* **Ready Gum Super** The peculiar combination of gum arabic and citric acid allow to prevent colour precipitation and reach the desired sensory effect.

## Gum Arabic: tartaric stabilization

-  \* **Dry Gum R** High-quality powdered gum arabic extracted from the *Acacia seyal* and distinguished by its dextrorotatory action. Dry Gum R is a protective colloid designed to regulate the levels of softness and roundness in the wine.
- \* **Ready Gum 20** Stabilizing solution made using gum arabic extracted from the *Acacia seyal*. The processing method used leads to an excellent degree of limpidity and stability (NTU < 20). Suitable for microfiltration, it increases bitartrate stability and enhances the pleasantness, softness and sensory balance of the wine.











## Tartrate and calcium stabilization

-  **Metacremor 40+** Metatartaric acid obtained from natural L(+)-tartaric acid with a high esterification index. Displays notable properties as a protective colloid inhibiting the precipitation of potassium bitartrate and neutral calcium tartrate crystals.
-   **Potassio Tartrato Acido** Crystallizer for tartrate stabilization.

## TC

## TREATMENTS TO CORRECT SPECIFIC DEFECTS

## Decolourizing carbon

- \*\*\*   **Carbo F** Vegetable charcoal with excellent decolouring abilities for use in winemaking. During the production phase, Carbo F undergoes a process of chemical-physical activation which increases its efficacy and gives the product high reactivity and purity.
-  **Carbo Pellet** Is a granular carbon with high de-colouring power and extremely soluble in water. Carbo Pellet is particularly effective in the purification of highly colored process liquids in the food industry, with a combined adsorption capacity.
-  **Carbon Pellet** Inert activated carbon with a strong adsorption capacity. Its particularly large internal surface (from 1300 to 1400 m<sup>2</sup>/g), gives it a great de-colouring power in cloudy musts and wines. In granule form to allow for total ease of application.
- \*\*\*   **Carbone Decol. Superattivo CP** Chemically activated plant-based carbon. The activation process makes it possible to obtain highly porous particles which can adsorb different types of molecules, depending on their size.
- \*\*\*   **No-Dust Carbon** Chemically activated plant-based carbon. Moist, in order to reduce powder dispersion.
- \*\*\*   **Topcarbon** Chemically activated plant-based carbon. Presenting as a very fine powder, this carbon is highly porous and has a significant contact surface between the carbon and the medium it is added to.




## Decontaminating carbon

- \*\*\*   **Evf-Free** Formula composed of silica gel and activated carbon specially selected for its ability to adsorb off-flavours.




## Acidi iers

-   **Acido Citrico** Stabilizer/antioxidant.
-   **Acido Tartarico** Acidifier.

## De-acidi iers

-  **Potassio Bicarbonato** Deacidifier.
-  **Potassio Tartrato Neutro** Crystallizer.
-  **Tetracomplex** Polycompound deacidifier for treating white, red and rosé wines.

## Other acids




-   **Acido L-Ascorbico** Preservative-antioxidant to prevent wine oxidation.
- \* **Procasin** Acid casein and potassium bicarbonate for clarification.

\*\*\* =Only when used for oenological filtration.



## MICROBIOLOGICAL STABILIZATION

### OxyLess range

-  **OxyLess** Composed by potassium metabisulphite and ascorbic acid.
- \* **OxyLess U** A special antioxidant for red and white grapes. It prevents browning and oxidation of the must aromas.
- \* **OxyLess V** A special antioxidant for red and white wines. It protects against oxidation and stabilises the anthocyanin fraction still unstable during wine racking processes.





### Other Sulphites

-  **Ferblock** A special polyvalent antioxidant to prevent wine oxidation.
-  **Potassio Metabisolfito** Preservative- antioxidant.












## T

## TANNINS























### Limiting antioxidant and antioxydase effects







-  \* **Gallotan G** It can be used as an adjuvant in clarification operations and is an excellent antioxidant whose action is enhanced when used with sulphur. It protects aromatic substances against oxidation and is essential for treating must infected by botrytis.
-  \* **Tan Flavour FF** A proanthocyanidinic tannin for white and red winemaking processes, rich in flavonoids and aromatic precursors.

### Limitation of oxidative degradation of anthocyanins, protection and stabilisation of colour over time

-  \* **Cromofix SR** An oenological tannin for colour stabilisation in red wines. The chemical nature of the tannin in Cromofix is extremely similar to the condensed tannins in grapes.
-  \* **Cromox G** A tannin derived from a blend of proanthocyanidinic tannins and gallotannins. Cromox has pronounced antioxidant and stabilising action of the colouring part.
-  \* **Ecobiol Color Protect** Blend of proanthocyanidins, ellagic tannins and polysaccharides (yeast-derived) to use in the fermentation of red-wine grapes. Aids colour stabilization and enhances flavours.
-  \* **Fermentan R** Used before maceration in wine vinification red, it allows to stabilize the color, reinforcing the antioxidant effect of anhydride Sulphurous.
- \* **Opera Grape L** A 100% liquid grape tannin. Thanks to its original extraction method, it is 100% soluble without any precipitation. It is derived solely from white grapes. It is used in colour stabilisation and to generate softness in wine.
-  \* **Opera SR** A pure quebracho tannin for colour stabilisation.

### Special tannin-based products for vinification

-  \* **Fermann Spicy** A product for red musts, made up with tannins and yeast derivative rich in polysaccharides. It adds complexity and notes of spice and black fruit (currant), and contributes to colour stabilisation.
-  \* **Fermentan Berry** A cherry tannin for red and rosé musts, which expresses notes of red fruit and stabilises the colour.
-  \* **Fermentan Lemon** A citrus tannin for white and rosé musts, which expresses citrus notes, together with effective antioxidant action.
-  \* **Opera CH** Is an acid hydrolyzed walnut tannin adapted for use with other fining materials and other gelatin-based clarifiers. It can be beneficial to wines by precipitating undesirable particulate matter, thus improving phenolic structure and overall roundness.
-  \* **Opera Crystal** Consists of hydrolyzable and condensed tannins. Opera Crystal enhances the antioxidant properties of sulphur dioxide, creating a powerful antiseptic. It also adds structure and finesse to white wines.
-  \* **Opera Fruity** A preparation made from tannins extracted from trees which produce red berries. Draws out fruity notes, sensations of sweetness and the intensity of varietal aromas in the wine. Suitable for red and rosé wines.
-  \* **Opera Grape** A proanthocyanidinic tannin derived from white grape skins. It improves the structure, body and softness of the wine. It exalts the primary aromas of the wine by increasing its intensity without affecting its sensory profile.
-  \* **Opera High T** A preparation made from oak tannins. Used at the pre-bottling stage, it increases the structure and length of the wine and balances it if it has been aged in oak barrels. Enhances notes of aging and tertiary aromas.
-  \* **Opera Maturation** A preparation made from condensed tannins and oak tannins. Used at the aging stage, it increases the structure and aromatic complexity of the wine and helps the wine to age more successfully in wooden barrels. Helps red wines to age better. Perfect for prolonging the persistence of aromas and flavours and lending a sensation of sweetness to the aftertaste of quality wines. Suitable for white, red and rosé wines.
-  \* **Opera Medium T** Oak tannin. Used at the pre-bottling stage, it increases the sweetness, the aromatic intensity and fullness of the wine and balances it if it has been aged in oak barrels, enhancing notes of aging. Suitable for red wines.
-  \* **Opera No-Green** A preparation made using tannins extracted from the wood of exotic trees. Used during the aging stage, it helps mask vegetal and astringent sensations and draws out the varietal notes which are often hidden by "green" notes. Suitable for white, red and rosé wines.




- \* **Opera No-Reduction** A mixture of oak tannins. Used during the aging stage, it helps to mask sensations of reduction and draw forth varietal notes. Can be used in white, red and rosé wine.
- \* **Opera Refresh** A mixture of condensed and gallic tannins. Used at the aging or pre-bottling stage, it helps refresh tired, oxidized wines and allows their varietal notes to come to the fore. Suitable for white, red and rosé wines.
- \* **Opera Seed** A grape seed tannin, ideal for obtaining protein stabilisation and colour stabilisation, and for improving the structure of the wine (ideal if used in conjunction with micro-oxygenation).
- \* **Opera Soft T** Oak tannin. Used at the pre-bottling stage, it increases the sweetness, the aromatic intensity and fullness of the wine and balances it if it has been aged in oak barrels. Suitable for red, white and rosé wines.
- \* **Solo Dark** When used on white and rosé wines at the pre-bottling stage, this product helps enhance the structure, fullness and aromatic intensity of the wine, as well as providing a notable antioxidant effect.
- \* **Solo Ruby** Is useful to enhance notes of red berries, fullness and aromatic intensity. Significant antioxidant effect.

## F

## FILTRATION ADDITIVES



### Perlites

Diaperls are used in DE and rotary vacuum filtration to form filtration cakes. Satisfactory results can be obtained by selecting the most suitable Diaperl for the required job, based on the material to be separated and the desired flow.









- \* **Diaperl/M** 0.9 Darcy permeability. Small particle filtration.
- \* **Diaperl/V** 1.5 Darcy permeability. Average particle filtration.
- \* **Diaperl/VV** 2.03 Darcy permeability. Large particle filtration.

### Fossil shell flours

High-quality diatomite filter aid for DE filtration.



- \* **Diacel CF/M** Additive specially formulated for average filtration.
- \* **Diacel CF/Mm** Additive specially formulated for average filtration.
- \* **Diacel CF/S** Additive specially formulated for polishing wines.
- \* **Diacel CF/S Special** Additive specially formulated for polishing wines.
- \* **Diacel CF/V** Additive specially formulated for primary filtration.
- \* **Diacel CF/VV** Additive specially formulated for primary filtration.
- \* **Diacel FW80** Additive specially formulated for primary filtration.

### Precoat filtration

- \* **Drenopor CF 300** Special formula with a high  $\alpha$ -cellulose content designed to form precoats and enhance the efficacy of the filtration process.
- \* **Drenopor Filter M (White)** Precoat with strong adsorption capacity for high-performance DE filtration.
- \* **Drenopor Filter S (Green)** Precoat with strong adsorption capacity for polishing wines using DE filtration.
- \* **Hydropor** Precoat made from pre-hydrated  $\alpha$ -cellulose fibres. Hydropor is an ideal product for depth filtration and DE filtration.
- \* **Hydropor Blend** Pre-hydrated filtration aid made from  $\alpha$ -cellulose fibres and diatoms. Hydropor Blend is a good product to use for polishing wines through DE filtration.
- \* **Precoat Fibra M (White)** Filtration aid particularly recommended for high-performance DE filtration. Permeability: 250-500 hl/h/m<sup>2</sup>.
- \* **Precoat Fibra S (Green)** Filtration aid suitable for polishing processes. Permeability: 200-350 hl/h/m<sup>2</sup>.
- \* **Precoat "SV"** Filtration aid designed for use in high-performance DE filtration processes and rotary vacuum-drum filters. Permeability: 300-500 hl/h/m<sup>2</sup>.

## AL

## WOOD SUBSTITUTES (CHIPS)

- \* **Intenso** Special range of top-quality wood chips of different provenance and with varying degrees of toasting specially designed to successfully create specific sensory effects.
- \* **Staves** 100% wood oak staves make quality barrels.





**List of Perdomini products allowed in ORGANIC winemaking**

Perdomini-IOC SpA – Via Salvo d’Acquisto, 2 - 37036 San Martino Buon Albergo (VR)  
[www.perdominiwine.com](http://www.perdominiwine.com)

