



Granucol® GE/FA/BI

Selectively reacting
activated carbon
pellets for versatile
use

Product Description

The individual Granucol® types are activated carbon pellets of vegetable origin. Granucol® is prepared from activated carbon powder with correspondingly varied inner surface, thus specific adsorption capacity. Moreover, the special production process assures an excellent distribution of the individual pellets. Permitted according to the presently valid laws and regulations of the EU. Purity and quality are proved by specialised laboratories.

Aim of Treatment

Dependent on treatment, the individual Granucol® types are applied as follows:

- for the adsorption of undesired off-taste and off-smell, Granucol® GE
- for the elimination of reddish off-colours due to browning reactions, Granucol® FA
- for the reduction of tannins and polyphenols and for the elimination of brownish high-colour, Granucol® BI

Product and Effect

The convenient application of Granucol® results in a selective adsorption of undesired colouring matter, taste-giving or olfactive substances. The carbons undergo a special production process and thus finest matter can be bound without affecting adsorptive power. In such a way separation is effected more quickly and the bouquet substances of the beverages are widely preserved. Accordingly selective is the reaction of the different Granucol® types with regard to the treatment of off-taste and off-smells and to reduce increased contents of tannins and colouring matter. Granucol® does not only deposit rather quickly but also very well. Usually, Granucol® is added first to the beverage, when combined with other fining agents. A subsequent gelatin/silica sol fining improves sedimentation and filterability.

Dosage and Application

Granucol® is added directly to the must, wine, juice or to other beverages, i.e. without prior dissolution. The pellets immediately disintegrate after addition to the beverage. Stir intensively for several minutes. Afterwards stir again 2 or 3 times in short intervals. Adsorption is definitely terminated within one day, mostly already after a few hours. The activated carbon deposit should then be separated as soon as possible. During precoat filtration, Granucol® can be added continuously together with the filter aid. Preliminary tests should be carried out to determine optimal dosages for treatment. The following dosages are guide values:

1. Treatment of grape must, wine, "Süßreserve" (unfermented/partly fermented grape juice/must for sweetening) and fruit juices:

- a) A dosage of 10-40 g Granucol® GE/100 L to treat slight-off taste and off-smell, such as mouldy, stagnant and casky taste/smell, corkiness and unpleasant taste caused by layer yeast; a dosage of 20-60 g Granucol® GE/100 L to treat sulphide off-flavours or slight taste of kerosene. A use of higher amounts of Granucol® could affect the treated beverage considerably and might make blending become necessary. Off-taste derived from rot, frost, vintage is best removed already in the must stage (dependent on off-taste intensity 50-100 g/100 L). When grapes are rotten, the addition of 1 g/100 L Granucol® GE is recommended per % rot. Additional clean aromas are obtained by a combination with Seporit PORE-TEC and Erbslöh-Mostgelatine. Fermentation together with treatment agent is possible, the results are however better when deposits are separated prior to fermentation.
- b) A dosage of 10-30 g Granucol® FA/100 L is mostly sufficient for colour correction, dependent on colour intensity.
- c) A dosage of 10-50 g Granucol® BI/100 L treats different clarification problems and leads to a good clarification and flavour rounding-off when high-coloured beverages or beverages with high tannin contents are treated. Tannins are reduced extremely carefully and efficiently, when a combined treatment of Granucol® BI and Gerbinol® Super is carried through. Gerbinol® Super should be added approximately 1-2 hours after the addition of the activated carbon.

According to EC regulation no. 606/2009 the application of activated carbon is allowed for mash, must and young wine from white and red grapes. In addition, activated carbon is approved for use in wine from white grapes. Altogether a maximal dosage of 100 g activated carbon per 100 L (kg) is permitted.

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Our technical product leaflets and the treatment recommendations they contain, are based on our current knowledge and experience and we make all reasonable efforts to ensure the accuracy of the information it provides. But since pre-treatment is mostly unknown to us and moreover imponderabilities with regard to the natural products to treat have to be taken into consideration, the advice given provides general information and serves for your consultation. Without a separate, written statement from our side on a defined matter or problem, the information provided should not be relied upon as legal advice or regarded as a substitute for legal advice and is without liability. The information provided is in accordance with the law in force of the Federal Republic of Germany and the EU. In addition, our general terms of business apply.

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2. Treatment of spirits and brandies:

- a) To treat off-taste and off-smell, an application of Granucol® GE is recommended for the elimination of fusel content or for flavour rounding-off. The dosage depends on the intensity of the disturbing components, yet a minimum dosage of 50-100 g/100 L is necessary in most cases.
- b) For decolourization, the required dosage amounts to 50-100 g Granucol® FA/100 L. Treatment should be performed at drinking strength up to 55 % by volume.

Storage

Protect from foreign odours and humidity. Reseal opened packagings immediately and tightly.

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