



# Actibiol®

Actibiol® is a bioactivator of the alcoholic fermentation, made of yeast hulls, inactivated yeasts and cellulose support elements. Actibiol helps yeast development and extends fermentation activity. It also facilitates the fermentation restart.



## PRODUCT CHARACTERISTICS

- ◆ **Formulation:** Inactivated yeast, yeast hulls and microcrystalline cellulose.
- ◆ **Enological benefits :** Actibiol® releases **growth** and **survival factors** into the must and helps to bind inhibitory compounds. The growth factors (vitamins, amino acids, peptides...) are essential for **yeast multiplication**. The survival factors (long chain fatty acids, sterols...) help to maintain the yeasts' viability and ensure their **fermentary metabolism** until the end of the alcoholic fermentation.

Yeast hulls bind pesticide residues and inhibitory compounds such as **medium chain fatty acids** (C8, C10) that are produced by yeast when they are under stress. By blocking these compounds that are harmful to the yeast, the end of the alcoholic fermentation is **secured**.

For stuck fermentations, Actibiol® **efficiently detoxifies** the medium and provides nutrients to the yeasts used for restarting the AF.



## DIRECTIONS FOR USE

- ◆ Dissolve Actibiol® slowly in 20 times its weight in water while continually stirring in order to avoid lumps. Incorporate then to the tank and homogenise with a pump-over. *Preventive treatment:* add Actibiol® with a pump-over as soon as possible, preferably at the beginning of alcoholic fermentation. It is recommended to combine Actibiol® with Vitaferment® (depending on the level of assimilable nitrogen in the must) and with Granucel (depending on the turbidity). *Curative treatment:* add Actibiol® with a pump-over immediately after sulphiting at 2 g/hL (to avoid bacteria growth) and before starting the fermentation restart protocol (ask your supplier for the specific protocol).
- ◆ **Dosage:** *Preventive treatment:* 20 to 40 g/hL. *Curative treatment:* 40 to 60 g/hL.



## SPECIFICATIONS

### PHYSICAL

- ◆ **Appearance & colour:** Powder white
- ◆ **Solubility :** < 20 %

### MICROBIOLOGICAL

- ◆ **Revivable yeast :** ≤ 10<sup>2</sup> UFC/g
- ◆ **Mould:** < 10<sup>3</sup> UFC/g
- ◆ **Lactic bacteria:** < 10<sup>3</sup> UFC/g
- ◆ **Acetic bacteria:** < 10<sup>3</sup> UFC/g
- ◆ **Salmonella:** Absence/25g
- ◆ **Escherichia coli :** Absence/1g
- ◆ **Staphylococci:** Absence/1g
- ◆ **Coliforms:** < 10<sup>2</sup> UFC/g

### COMPOSITION

- ◆ **Total nitrogen:** approx. 1 %
- ◆ **Humidity:** < 6 %

### LIMITS

- ◆ **Lead:** < 4,5 mg/kg
- ◆ **Mercury:** < 1 mg/kg
- ◆ **Arsenic:** < 2 mg/kg
- ◆ **Cadmium:** < 1 mg/kg



## PACKAGING & CONSERVATION

- ◆ Bags of 1 kg (in 10 kg box) and bags of 5 kg (in 10 kg box).
- ◆ Store in its original packaging hermetically sealed, in a cool, clean and dry place without odors. Respect the optimal date of use written on packaging. Use quickly after opening

GN/09-06-2021. For oenological use. This document is correct at the time of publication and is provided for information purposes only, without commitment or guarantee. This product should be used in accordance with the relevant legislation and standards. In accordance with the EU Regulation n°2019/934 (and its modifications).

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