



Nutrients and fermentation aids

NUTRIFERM VIT FLO

Sheet Code: NutrifermVitFlo/en

Revision: n° 0 May 2016

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YEAST NUTRIENT

COMPOSITION

Dibasic ammonium phosphate (99,8%), thiamine (0.2%).

GENERAL FEATURES

Appearance: creamy white powder, smelling slightly of ammonia.

NUTRIFERM VIT FLO is the yeast nutrient *par excellence*: designed to create the most favorable environment for yeast to grow and propagate, it prevents sluggish or difficult fermentations which have a negative effect on wine.

Yeast can only grow in an environment with sufficient Yeast Available Nitrogen (YAN) compounds (i.e. ammonium and amino acids). Research has shown that the YAN content to ensure reliable fermentation is 150 mg/L, while 250 mg/L is the level needed to ensure good quality wine, particularly when selected yeast strains are employed for their aromatic effect.

NUTRIFERM VIT FLO adds nitrogen to must, providing for more regular fermentations.

The addition of **NUTRIFERM VIT FLO** is particularly useful in must obtained from grapes affected by *Botrytis cinerea*, since this mold consumes nitrogen which yeast require.

Thiamine (Vitamin B1) is another indispensable growth factor for yeast. Many studies have shown that wild *Kloeckera* yeast quickly consume thiamine, at the expense of the nutritional needs of selected yeast strains. The use of **NUTRIFERM VIT FLO** can both supplement naturally nitrogen-poor grapes and compensate for the effects of wild yeast or *Botrytis cinerea*.

Moreover, thiamine lowers the production of acetaldehyde by yeast, resulting in wines with less bound SO₂ and a higher free SO₂ fraction.

NUTRIFERM VIT FLO addition is also recommended in the thermovinification process, where heat denatures the natural vitamins contained in must.

APPLICATIONS

Yeast nutrition at beginning of growth phase

DOSAGE

From 10 to 30 g/hL, depending on grape YAN content.

From 20 to 30 g/hL during second fermentation and to restart "stuck" fermentations.

10 g/hL of **NUTRIFERM VIT FLO** supplies approximately 20 mg/L of YAN.

30 g/hL of **NUTRIFERM VIT FLO** supplies the maximum amount of thiamine allowed in the EU (60 mg/hL).

INSTRUCTIONS FOR USE

Dissolve **NUTRIFERM VIT FLO** in a small amount of water and add homogeneously to must at yeast inoculation.

PACKAGING AND STORAGE

20 kg bag

Sealed package: store in a cool, dry and well-ventilated area.

Opened package: carefully reseal and store as indicated above.

Product made by raw material that is in compliance with the following specifications:

Codex Œnologique International

Product approved for winemaking, in accordance with:

Reg. (EC) N. 606/2009

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