

BIOCIBUS GOLD

Activator and fermentation regulator
specific for quality wines.

CHARACTERISTICS

BIOCIBUS® GOLD is a complex nutrient of biological nature, based on yeast-wall preparation containing assimilable nitrogen of amino-acid origin, as well as oligopeptides from yeast, growth factors (vitamins) and survival factors.

BIOCIBUS® GOLD, supplied at the beginning of fermentation, allows the yeast to accumulate, within its vacuoles, a number of amino-acids similar to those present in the fermenting population.

The presence of growth factors ensures a quick start, without causing an excessive increase of fermentation rapidity and a higher need of nutritional principles.

BIOCIBUS® GOLD is part of the range of complex nutrients designed to apply the "linear fermentation" theory: supply the yeast with nutrients in the forms and times of real necessity and utilization, taking into account the differences of requirements of the different strains and using reliable control parameters of simple valuation.

DOSAGE AND INSTRUCTIONS FOR USE

30 g/hl in must, at beginning of fermentation.

*In case of a must seriously lacking **Free Available Nitrogen (FAN < 80mg/L)** or musts heavily contaminated, we suggest also the addition of a simple nutrient based on ammonium inorganic salts (Zimovit) in a dosage of 10 g/L.*

COMPOSITION

Preparation of yeast-wall and Thiamine hydrochloride (Vit. B1); the addition of 30g/hL of Biocibus® Gold supplies the must with the maximum dosage allowed for Thiamine hydrochloride: (0.6 mg/l).

PACKING AND STORAGE

1 kg pack in 20 kg boxes

10 kg bags

In its original packing, the product can be stored, in a dry and cool place, for 30 months.

This product is not considered dangerous therefore a material safety data sheet is not necessary.

CHEMICAL-PHYSICAL CHARACTERISTICS

composition expressed in g per 100 g of product

Dry substance	92.0 - 95.0
pH	5.2 – 7.3
Total Nitrogen	minimum 7.5
Proteins (N x 6.25)	minimum 45,1
Ashes	5.0 – 6.0
Metals	Lower than 2 ppm
Lipids	4.0 – 8.0

MICROBIOLOGICAL CHARACTERISTICS

on 1 g of product

Aerobe mesophil bacteria	max 5
Coliforms bacteria	max 5
Clostridium, sulfite-reducers savour	max 10
Salmonella (in 25 g)	negative
Escherichia coli	negative
Staphilococcus aureus	negative

AVERAGE COMPOSITION IN TOTAL AMINO ACIDS

expressed in % of raw proteins

Alanine	3.50	Lysine	3.70
Arginine	3.05	Methionine	0.72
Aspartic acid	4.32	Phenylalanine	2.25
Glutamic acid	8.31	Proline	3.10
Glycine	2.34	Serine	2.14
Leucine	3.35	Tyrosine	2.02
Histidine	1.19	Threonine	2.05
Isoleucine	2.39	Valine	3.07

VITAMIN AVERAGE COMPOSITION

expressed in mg/kg (ppm)

B1 (<i>Thiamine</i>)	3.0
B2 (<i>Riboflavin</i>)	4.6
B6 (<i>Piridoxine</i>)	1.5
B8 (<i>Biotin</i>)	0.0037
B9 (<i>Folic acid</i>)	1.5
B12 (<i>Cyanocobalamine</i>)	0.0002