**CHARACTERISTICS**

*CREAFERM SC is a complex nutrient of biological nature, based on yeast cell-wall preparations and containing assimilable nitrogen derived from yeast amino acids, oligopeptides, growth (vitamins) and survival factors.*

*CREAFERM SC, if supplied at the beginning of fermentation, will give the yeast the best conditions to accumulate, within the vacuole, a complex of amino acids actually similar to that present in the cells of the already fermenting population.*

*The presence of growth factors ensures a fast start-up, without causing an excessive increase of the top fermentation speed, nor a bigger need in nutritional principles.*

*CREAFERM SC is one of the complex nutrients designed to realize the theory of “linear fermentation”: supplying the yeast with the nutrients in the forms and times of their real need and use, taking into account the differences in requirements that the different strains may have; it is also important to use reliable technological control parameters and easily measurable.*

*Preparations of appropriately selected yeast hulls.*

**DOSAGE AND INSTRUCTIONS FOR USE**

20-40 g/hl in the must at the fermentation start.
In case of CIDERS/JUICES very poor in Readily Assimilable Nitrogen (RAN <80 mg/l) an addition of a simple nutrient based on inorganic salts of ammonium ion (ZIMOVIT SC) in a dose of 10 g h is strongly recommend.

**COMPOSITION**

Preparation of yeast cell wall and thiamine hydrochloride (Vit. B1).

**PACKING AND STORAGE**

10 kg pack

**This product is considered as not harmful and therefore it does not requires a Material Safety Data Sheet (MSDS).**

Pag 1/2 **CHEMICAL - PHYSICAL c*omposition in g per 100g of product***

**CHARACTERISTICS**

Dry matter 92.0 - 95.0

 Ph 5.2 – 7.3

 Total Nitrogen minimum 7.5

 Protein (N x 6.25) minimum 45,1

 Ashes 5.0 – 6.0

 Metals less than 2 ppm

 Lipids 4.0 – 8.0

**MICROBIOLOGICAL p*er 1 g of product***

**CHARACTERISTICS**

Mesophilic aerobic bacteria max 5

 Coliform bacteria max 5

 Spores of Clostridium sulfito-reducers max 10

 Salmonella (in 25 g) negative

 Escherichia coli negative

 Staphylococcus aurous negative

**AVERAGE *expressed in % of raw proteins***

**COMPOSITION IN**

**TOTAL AMINOACIDS**

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 Serina 2.14

 Leucine 3.35 Tyrosine 2.02

 Histidine 1.19 Threonine 2.05

 Isoleucine 2.39 Valine 3.07

**AVERAGE *expressed in mg/kg (ppm)***

**REV. 00\_ 260214**

**VITAMIN**

**COMPOSITION**

B1 (Thiamine) 3.0

 B2 (Riboflavin) 4.6

 B6 (Pyridoxine) 1.5

 B8 (*Biotin*) 0.0037

 B9 (*Folic Acid*) 1.5

 B12 (Cyanocobalamin) 0.0002

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