



# Ba11™

**YSEO™**  
PROCESS  
Research in collaboration  
with Washington State University

## ORIGIN AND APPLICATION

### For delicate fruit character and mouthfeel in Rosé and White wines.

The yeast **Lalvin Ba11™** was selected in 1997-1998 near Estação Vitivinícola de Barraida in Portugal. The selection criteria, made from a large pool of natural isolates, was for a yeast with the ability to ferment white wines with delicate fruit character and elevated sensory impact; "QA23 with mouthfeel".

**Lalvin Ba11™** has excellent fermentation kinetics, even at low temperatures, often desirable in the production of white wines. Resultant wines are generally considered clean and aromatic. Orange Blossom, pineapple and apricot have been used to describe the aromas.

The mouthfeel contribution is the result of colloidal influences, such as polysaccharides that add texture to the palate.

The **Lalvin Ba11™** yeast, was selected from nature, and has since been improved using the Lallemmand proprietary process called YSEO®.



## MICROBIAL AND OENOLOGICAL PROPERTIES

- Recommended for white and rosé wines only.
- *Saccharomyces cerevisiae var. cerevisiae*
- Fermentation temperature limits: 15-25°C
- Short lag phase and moderate fermentation vigour.
- Medium - high relative nitrogen demand (under controlled laboratory conditions)
- Alcohol tolerance 16% v/v \*subject to fermentation conditions.
- Low relative potential for SO<sub>2</sub> production.
- Low potential to produce H<sub>2</sub>S.
- Killer factor sensitive.
- Considered MLF friendly. Suitable for yeast and bacteria co-inoculation.
- Suggested varieties – Generally white varieties.  
Good results have been seen in Verdelo.

YSEO™ signifies Yeast Security and Sensory Optimization, a unique Lallemmand yeast production process to meet demanding fermentation conditions. While not all yeast benefit from this process, YSEO™ improves the reliability of alcoholic fermentation by improving yeast quality and performance and reduces the risk of organoleptic deviation even under difficult conditions. YSEO™ yeasts are 100% natural and non-GMO.



## INSTRUCTION FOR USE

### Dosage Rate:

- 25g/hL of Active Dried Yeast (this will provide an initial cell population of approximately  $5 \times 10^6$  viable cells/mL)
- 30g/hL of Go-Ferm Protect® / Go-Ferm Protect Evolution™
- Nitrogen source from the Fermaid™ range

### Procedure for 1000L ferment.

- 1) Add 300g of Go-Ferm Protect® / Go-Ferm Protect Evolution™ to 5L of 40-43°C clean, chlorine free water. Stir until an homogenous suspension free of lumps is achieved.
- 2) When the temperature of this suspension is between 35-40°C, sprinkle 250g of yeast slowly and evenly onto the surface of the water, whilst gently stirring. Ensure any clumps are dispersed.
- 3) Allow to stand for 20 minutes before further gently mixing.
- 4) Mix the rehydrated yeast with a little juice, gradually adjusting the yeast suspension temperature to within 5-10°C of the juice/must temperature.
- 5) Inoculate into the must.

### Further Notes

- Steps 1-5 should be completed within 30 minutes.
- It is best to limit first juice/must volume addition to one tenth the yeast suspension volume and wait 10 minutes before the addition to juice.
- To minimize cold shock, ensure temperature changes are less than 10°C.
- It is recommended that juice / must be inoculated no lower than 18°C.
- It is recommended to use complex nutrition nitrogen source, such as either **Fermaid AT™** or **Fermaid O™**.

## PACKAGING AND STORAGE

- All Active Dried Yeast should be stored dry, best practice between 4-12°C and the vacuum packaging should remain intact.

The information herein is true and accurate to the best of our knowledge; however, this data sheet is not to be considered as a guarantee, expressed or implied, or as a condition of sale of this product.



WINE  
YEASTS



WINE  
BACTERIA



NUTRIENTS  
/PROTECTORS



SPECIFIC  
INACTIVATED YEASTS



ENZYMES



CHITOSAN



VINEYARD  
SOLUTIONS



LALLEMAND OENOLOGY

Original **by culture**