



# safale s-04

Ingredients : Yeast (*Saccharomyces cerevisiae*), emulsifier E491

## FERMENTIS

English ale yeast selected for its fast fermentation character and its ability to form a compact sediment at the end of fermentation, helping to improve beer clarity. Recommended for the production of a large range of ales and specially adapted to cask-conditioned ones and fermentation in cylindrical tanks.

### TOTAL ESTERS



ppm at 18°P at 20°C in EBC tubes

### TOTAL SUPERIOR ALCOHOLS



ppm at 18°P at 20°C in EBC tubes

### RESIDUAL SUGARS



\* corresponds to an apparent attenuation of 75%

### FLOCCULATION



FERMENTATION TEMPERATURE: 12-25°C (53.6-77°F) ideally 15-20°C (59-68°F)

DOSAGE INSTRUCTIONS: 50 to 80 g/hl

### REHYDRATION INSTRUCTIONS

Sprinkle the yeast in minimum 10 times its weight of sterile water or wort at 27°C ± 3°C (80°F ± 6°F). Leave to rest 15 to 30 minutes. Gently stir for 30 minutes, and pitch the resultant cream into the fermentation vessel.

Alternatively, pitch the yeast directly in the fermentation vessel providing the temperature of the wort is above 20°C (68°F). Progressively sprinkle the dry yeast into the wort ensuring the yeast covers all the surface of wort available in order to avoid clumps. Leave for 30 minutes, then mix the wort using aeration or by wort addition.

### TYPICAL ANALYSIS:

% dry weight:	94.0 - 96.5
Viable cells at packaging:	> 6 x 10 <sup>9</sup> /g
Total bacteria*:	< 5 / ml
Acetic acid bacteria*:	< 1 / ml
Lactobacillus*:	< 1 / ml
Pediococcus*:	< 1 / ml
Wild yeast non <i>Saccharomyces</i> *:	< 1 / ml
Pathogenic micro-organisms:	in accordance with regulation

\*when dry yeast is pitched at 100 g/hl i.e. > 6 x 10<sup>6</sup> viable cells / ml

### STORAGE

During transport : The product can be transported and stored at room temperature for periods of time not exceeding 3 months without affecting its performance.

At final destination: Store in cool (< 10°C/50°F), dry conditions.

### SHELF LIFE

24 months from production date. Refer to best before end date printed on the sachet.

Opened sachets must be sealed and stored at 4°C (39°F) and used within 7 days of opening. Do not use soft or damaged sachets.

Fermentis dry brewing yeasts are well known for their ability to produce a large variety of beer styles.

In order to compare our strains, we ran fermentation trials in laboratory conditions with a standard wort for all the strains and standard temperature conditions ( Saflager: 12°C for 48h then 14°C / Safale & Saffbrew : 20°C) . We focused on the following parameters: Alcohol production, residual sugars, flocculation and fermentation kinetic.

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