



ACTIFLORE® D.ONE

Direct inoculation yeast-based preparation for the alcoholic fermentation of all types of wine.

Formulation of non-GMO Selected Active Dry Yeast (SADY) and inactivated yeasts for oenological use.

Qualified for the elaboration of products for direct human consumption in the field of the regulated use in Oenology.

In accordance with the regulation (EC) n° 2019/934.

SPECIFICATIONS AND OENOLOGICAL PROPERTIES

Developed by LAFFORT, ACTIFLORE® D.ONE is a preparation based on a highly robust *Saccharomyces cerevisiae* yeast and an activation additive based on yeast derivatives, specifically for direct inoculation.

ACTIFLORE D.ONE is a reliable technological tool, easy to use and retaining all the fermentation benefits of a selected yeast.

FERMENTATION CHARACTERISTICS

- Alcohol tolerance: up to 16 % vol.
- Fermentation temperature: 12 - 32°C (53 - 90°F).
- Low nitrogen requirement.

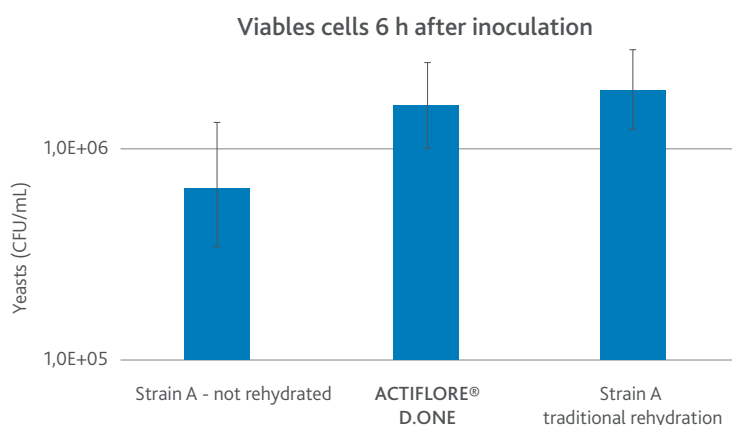
ORGANOLEPTIC CHARACTERISTICS

- Neutral strain (respects the typical character of the grape variety).

EXPERIMENTAL RESULT

Comparison of the results obtained with the selected strain according to the inoculation method: not rehydrated / traditional rehydration / ACTIFLORE® D.ONE.

Fermentation of a must: Potential ABV = 14.5% vol.; TA = 3.93 g/L H₂SO₄; Total SO₂ = 46 mg/L; natural assimilable nitrogen 99 mg N/L adjusted to 160 mg N/L; pH 3.53.

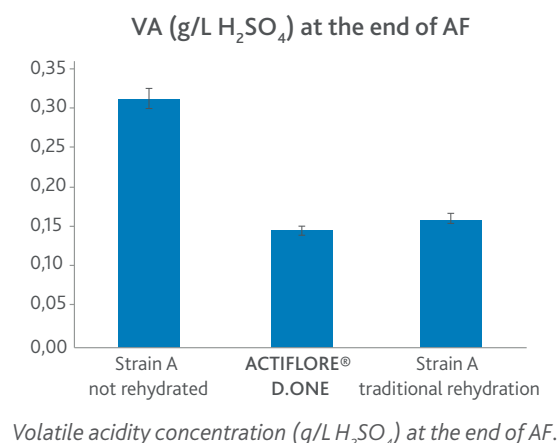
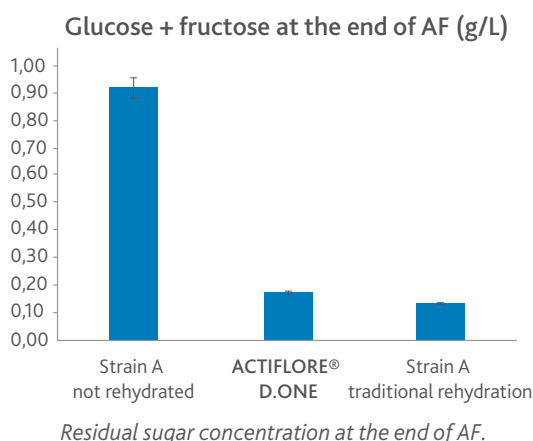


Comparison of the population of viable cells according to the type of inoculation



LAFFORT

l'œnologie par nature



PHYSICAL CHARACTERISTICS

AspectGranulated powder

Colour beige

CHEMICAL AND MICROBIOLOGICAL ANALYSES

Humidity (%) < 7.5

Living cells SADY (CFU/g)

(in the SADY fraction)..... ≥ 1.2.10¹⁰

Lactic acid bacteria (CFU/g)..... < 5.05.10⁴

Acetic acid bacteria (CFU/g) < 5.5.10³

Coliforms (/g)..... < 10²

E. coli (/g) none

Staphylococcus (/g) none

Salmonella (/25 g) none

Lead (ppm)..... < 2

Arsenic (ppm)..... < 3

Mercury (ppm)..... < 1

Cadmium (ppm)..... < 1

PROTOCOL FOR USE

OENOLOGICAL CONDITIONS

- Add the yeast as soon as possible after filling the tank.
- Respect the prescribed dose to ensure a good yeast implantation, even in case of abundance of indigenous yeasts.

DOSAGE

- 30 - 40 g/hL (300 - 400 ppm) depending on the potential alcohol by volume.
- Adjust the dose according to the potential ABV: 30 g/hL (300 ppm) if potential ABV < 14% vol. / 40 g/hL (400 ppm) if potential ABV > 14% vol.
- 50 g/hL (500 ppm) in case of late inoculation.

IMPLEMENTATION

- Incorporate the preparation directly in the vessel to be inoculated.
- Homogenise the contents of the vessel after inoculation.
- If needed, adjust the assimilable nitrogen (first fraction) when adding the ACTIFLORE® D.ONE.

STORAGE RECOMMENDATION

- Store above ground level in a dry area not liable to impart odours. Ensuring stock is kept at a moderate temperature, in its original, unopened packaging.
- Optimal date of use: 3 years.

PACKAGING

10 kg box (2 × 5 kg vacuum-packed bags).



LAFFORT

l'œnologie par nature