

# 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.

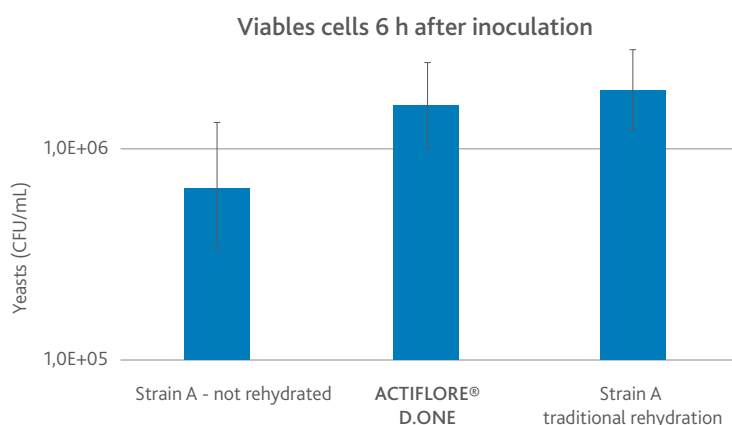
### ORGANOLEPTIC CHARACTERISTICS

- 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 H<sub>2</sub>SO<sub>4</sub>; Total SO<sub>2</sub> = 46 mg/L; natural assimilable nitrogen 99 mg N/L adjusted to 160 mg N/L; pH 3.53.

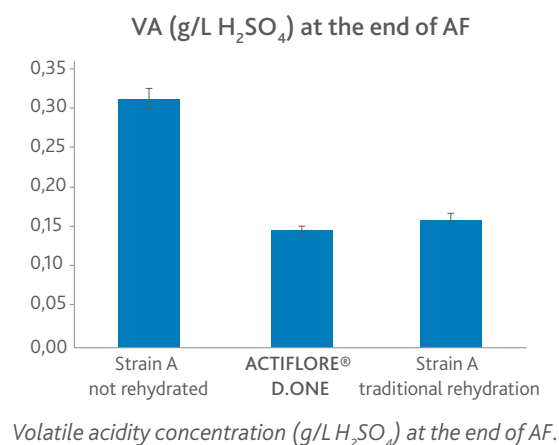
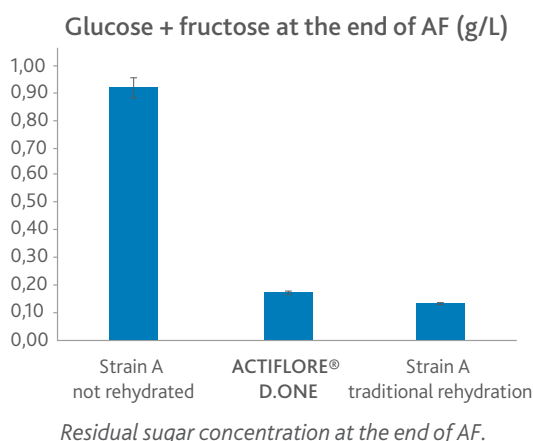


*Comparison of the population of viable cells according to the type of inoculation*



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## PHYSICAL CHARACTERISTICS

Aspect .....Granulated powder

Colour ..... beige

## CHEMICAL AND MICROBIOLOGICAL ANALYSES

Humidity (%) ..... < 7.5

Living cells SADY (CFU/g)

(in the SADY fraction)..... ≥ 1.2.10<sup>10</sup>

Lactic acid bacteria (CFU/g)..... < 5.05.10<sup>4</sup>

Acetic acid bacteria (CFU/g) ..... < 5.5.10<sup>3</sup>

Coliforms (/g)..... < 10<sup>2</sup>

*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).



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