



YEAST

ENARTISFERM ES454

Yeast for red wines to be aged.

ORGANOLEPTIC CHARACTERISTICS



EnartisFerm ES454 is recommended for the production of wines made from well-ripened grapes and destined for medium-to-long term ageing. It has moderate and regular fermentation kinetics which makes it suitable for long maceration.

Given its excellent extraction capability, it produces wines with intense and stable color, great structure and smooth mouthfeel.

EnartisFerm ES454 respects varietal aromas and reflects terroir while increasing ripe fruit and spicy notes.

MICROBIOLOGICAL CHARACTERISTICS



Species Saccharomyces cerevisiae

Fermentation temperature 18 - 28°C (64-82.4°F)

Lag phase short

Fermentation speed moderate: allows for long maceration and limits temperature peak

Alcohol tolerance ≤ 16% v/v Killer factor sensitive

ENOLOGICAL CHARACTERISTICS



Nitrogen needs medium
Oxygen needs low
Volatile acidity production low
H₂S production low
SO₂ production low
Glycerol production high

Compatibility with the malolactic fermentation: high, it favors the start of MLF.

Low adsorption of color by yeast cell walls and production of acetaldehyde that helps color stabilization via acetaldehyde bridge.

APPLICATIONS



- Red wines with varietal character reflecting terroir.
- Red wine obtained from well-ripened grapes destined for medium-to-long term ageing.
- Fermentation of red wines produced in warm regions and with high potential alcohol content.
- Syrah, Cabernet Sauvignon, Merlot, Malbec, Pinot Noir, Aglianico, Barbera, Nebbiolo, Mourvedre, Tannat, Zinfandel.



DOSAGE

20-40 g/hL (1.67 - 3.3 lb/1000 gal)

The highest dosages are recommended in cases of rotten grapes, high sugar content and/or difficult microbiological conditions.

INSTRUCTIONS FOR USE



- Suspend dry yeast in 10 times its weight of clean, warm (35-38°C or 95-100°F) water. Stir gently.
- Let suspension stand for 20 minutes, then stir again gently.
- Add suspension to juice when beginning to fill fermentation tank. The difference in temperature between yeast suspension and juice should not exceed 10°C (18°F).
- Homogenize by pump-over or mixing inoculated juice.

Adherence to the above-mentioned times and methods ensures maximum activity of re-hydrated yeast.

The indications given here correspond to the current state of our knowledge and experience, however they do not relieve the user from compliance with safety and protection regulations or from improper use of the product.





Inspiring innovation.



PACKAGING AND STORAGE CONDITIONS

0.5 kg, 10 kg

Sealed package: store in a cool (preferably 5-15°C or 41-59°F) and dry area. Opened package: carefully reseal and store as indicated above; use quickly.

COMPLIANCE

The product is in compliance with: Codex Œnologique International.



Product approved for winemaking in accordance with Reg. (EC) N. 606/2009

Reg. (EU) 2019/934 (applied from 7 December 2019)

<u>Product approved for winemaking by the TTB.</u>

Legal Limit: N/A

It contains E 491 Sorbitan monostearate

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