

Pure Fermentation

uvaferm 299

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(saccharomyces cerevisiae)

uvaferm 299 is a specially selected dry active yeast, which is particularly beneficial for the fermentation of red wine must and red wine mash. The special advantages are color extraction and rapid start of fermentation. uvaferm 299 supports the soft tannin profile of Burgundy varieties (Pinot Noir, Pinot Meunier, St. Laurent).

The specific advantages of uvaferm 299:

- ▶ High temperature tolerance
- ▶ Average nutrient requirements
- ▶ Very good color stability
- ▶ Quickly displaces wild yeasts and bacteria
- ▶ Rapid start of fermentation and moderate main fermentation
- ▶ Low formation of undesirable fermentation by-products

Application

As a basic rule, musts should be inoculated with uvaferm 299 as early as possible. Longer maceration time favour uncontrolled multiplication of wild yeasts and undesirable bacteria. Fermentation problems are reliably prevented with the following dosage:

Application	Quantity (g/hl)	
	normal	difficult fermentation conditions
Red wine mash	15 – 20	25 – 35
Red wine must	10 – 15	20 – 30

The quantities stated are guide values. They should be adapted to the individual requirements depending on the health of the grapes, the temperature, and the batch size etc. For large batches, adequate cooling must be ensured.

uvaferm 299 is best stirred into a 10:1 must/water mixture at 35 – 40 °C, stirred again after approximately 15 minutes and added to the must.

The optimum fermentation temperature is between 20 – 28 °C, the minimum starting temperature is 17 °C. uvaferm 299 should only be added to heated must or mash after recooling or rather cooling to 20 °C.

Addition of 600 mg SIHA Vitamin B1 (2 tablets) to 1000 l of wine creates even better multiplication, fermentation and metabolism conditions. For final fermentation of stucked wines, we recommend adding an additional dose of 20 g/hl of SIHA PROFERM® Plus.

Under these conditions it is beneficial to accustom the yeast to the fermentation conditions. This is best achieved by adding the quantity of yeast required for the total quantity of wine to approximately 10 % of the total product to be fermented and fermenting until approximately half the sugar present is used up. This mixture is then added to the remaining 90 % of the wine for final fermentation. Yeasts adapted in this way usually start fermenting more quickly and have a lower tendency to die off than if they are added directly to the total quantity.

Product Characteristics

Selection over several years enabled us to develop the uvaferm 299 yeast, which is highly suitable for producing persistent and velvety soft Burgundy. This very positive yeast quality is continuously reinforced and secured through further selection. uvaferm 299 is characterized by very low sulfite formation.

uvaferm 299 shows an advantageous fermentation curve with high final degree of fermentation. Wild yeasts and undesirable bacteria are suppressed. uvaferm 299 generates no undesirable fermentation by-products such as SO₂, H₂S, acetaldehyde, pyruvate, α-ketoglutaric acid, volatile acid or ester.

uvaferm 299 can produce up to 15 percent alcohol by volume. The practical alcohol yield is approximately 47 % of the sugar to be fermented. For each kg of sugar fermented, approx. 546 kJ (130 kcal) of heat is released.

Safety

No safety information has to be provided for uvaferm 299, since the product is used directly for food production. There are no known risks to humans or the environment during storage, handling and transport of the product.

Additional Notes: generally not harmful to water according to the German VwVwS regulations of 1999 (Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes).

Storage

uvaferm 299 is packed in air-tight multi-layer aluminum film in an inert gas atmosphere. The integrity of the vacuum pack is easy to monitor.

In undamaged packaging, uvaferm 299 can be stored for three years at 4 – 10 °C. Short-term storage at 20 °C is acceptable. Once a package has been opened, it should be used up as soon as possible.

Delivery Information

uvaferm 299 has the article number 93.207 and is supplied in the following packaging units:

500 g block pack with laminated aluminum film

20 x 500 g block pack with laminated aluminum film
(carton)

HS customs tariff: 2102 10 90

Cerified Quality

During the production process, uvaferm 299 is continuously monitored to ensure consistently high quality.

These inspections cover technical function criteria as well as conformance with the relevant laws governing the production and sale of foodstuffs. Strict controls are carried out immediately before as well as during final packaging.

uvaferm 299 conforms to the purity regulations of the International OIV Code for wine treatment products and to the regulations of the German Wine Ordinance. Please pay attention to the national laws.



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