

# TANIN VR SKIN®

Proanthocyanidic tannins extracted from grape skins using LAFFORT's Instant Dissolving Process (IDP).  
*Qualified for the elaboration of products for direct human consumption in the field of the regulated use in oenology.  
 In accordance with the current EU regulation n° 2019/934.*

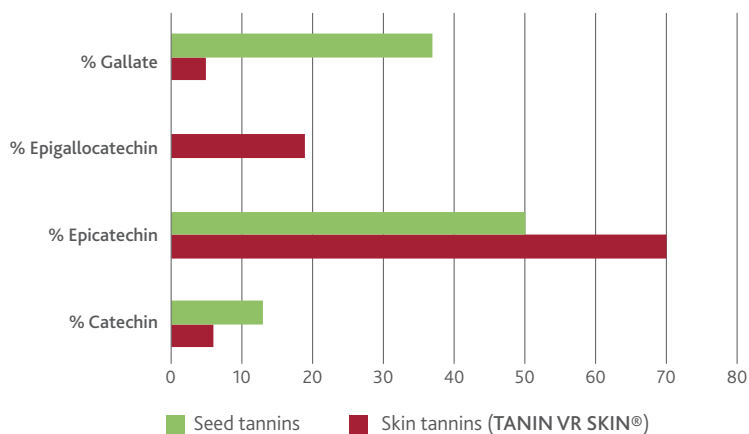
## SPECIFICATIONS AND OENOLOGICAL APPLICATIONS

Due to its specific nature (grape skin tannin) **TANIN VR SKIN®** will allow:

- Compensation for natural grape tannin deficiency (lack of phenolic maturity or adverse tannin-anthocyanin ratio).
- Stabilisation of colour due to the formation of tannin-anthocyanin polymeric pigments.
- Inhibits Laccase activity.
- Improved fining.

## EXPERIMENTAL RESULTS

- Using thioacidolysis, it is possible to determine the percentage of the different procyanidins that make up grape tannins.



This figure shows that seed tannins have a much higher proportion of Gallate substituents (37%) than skin tannins (5%), and it is these compounds that react with proteins.

**TANIN VR SKIN®** is a preparation naturally low in gallate compounds, present mainly in the grape seed.

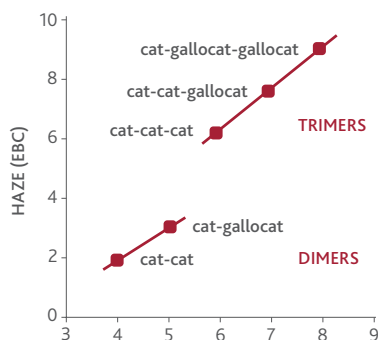


**LAFFORT**  
*l'œnologie par nature*

The reactivity of tannins with proteins increases with the degree of polymerisation but also according to the gallate content.

A catechin dimer will therefore be less reactive with proteins than this same dimer bound to a gallate radical.

**TANIN VR SKIN®** is structurally less reactive with proteins and therefore less astringent.



## PHYSICAL CHARACTERISTICS

Aspect ..... granulated  
Solubility in water ..... complete

Colour ..... brown

## CHEMICAL ANALYSIS

Total phenolics (%) ..... > 65  
Humidity (%) ..... < 10  
Ash (%) ..... < 5  
Insoluble substances (%) ..... < 5  
Arsenic (ppm) ..... < 3

Iron (ppm) ..... < 50  
Lead (ppm) ..... < 2  
Mercury (ppm) ..... < 0.5  
Cadmium (ppm) ..... < 0.5  
SO<sub>2</sub> (ppm)..... > 10

## PROTOCOL FOR USE

### DOSAGE

- Clarification additive: 10 - 30 g/hL (100 - 300 ppm).
- Colour stabilisation: 20 - 40 g/hL (200 - 400 ppm).
- Inhibits Laccase activity: 30 - 80 g/hL (300 - 800 ppm).

### IMPLEMENTATION

**TANIN VR SKIN®** can be sprinkled directly onto must or wine (thanks to the IDP process), during homogenisation or a pump-over.

In the case of colour stabilisation, add **TANIN VR SKIN®** during a pump-over at the start of fermentation.

## 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: 5 years.

## PACKAGING

500 g bag - 10 kg box.

