

**K-TANN OAK – POWDER TANNIN FROM OAK WOOD**

Water extract tannin from oak wood. Especially suitable to improve the organoleptic characteristics of white, red and blush wines. Increases the wine taste and body. Improves color stability and it is suitable for all the winemaking steps. Medium antioxidant activity and good laccase reduction. To determine the optimum dosage required, preliminary test are recommended.

PRODUCT :	Phenolic compound extracted from oak wood
DESCRIPTION :	Spray-dried extract from wood, ellagic tannin
APPEARANCE :	Pale yellow- brown powder or granular powder
SOLUBILITY :	Water-soluble (shaking the solution)
TASTE :	Bitter and astringent
FLAVOUR :	Dry and neutral
APPLICATION :	Winemaking: flocculant of proteins excess, antioxidant, amends and protects anthocyanins. Pharmaceutical and nutraceutical industries
RECOMMENDED DOSAGE :	White and blush wines: 1-3 g/Hl Red wines: 2-10 g/Hl
SHELF-LIFE :	5 years
STORAGE :	Keep containers tightly closed in a dry place, at room temperature (12 – 20°C), away from heat and light
PACKAGING :	20 kg bags (10 Kg granulated)
SAMPLES :	Available all year round

**CHEMICAL SPECIFICATIONS:**

pH (solution 1%) :	2,60 – 3,60
Extract :	Min 92 %
Total Polyphenols :	> 85 %
Ashes :	Max 1 %
Gardner Color :	Max 13,00 U.G.
Lead :	< 5 ppm
Arsenic :	< 3 ppm
Cadmium :	< 1 ppm
Mercury :	< 1 ppm

**MICROBIOLOGICAL SPECIFICATIONS:**

Total count :	< 50/g
Yeast :	< 10/g
Mould :	< 10/g
Coliforms in 1 g :	0
Salmonella in 25 g :	0

### Analysis Procedure

#### **TOTAL POLYPHENOLS:**

Spectrophotometric Method.

(g/100g of product as (+) catechin)

#### **METALS**

**Lead – Arsenic – Cadmium = ICP-OES Method**

**Mercury = extraction in nitric acid 1: 10**

#### **Salts – Acids – Metals**

Analysis	Method	Result	Um
CHLORIDE	ionic chromatography method	< 100	mgKg
SULPHATES	ionic chromatography method	< 100	mgKg
ORGANIC ACIDS	ionic chromatography method	< 1	g/Kg
FREE SUGARS	ionic chromatography method	< 10	g/Kg
MERCURY	extraction in nitric acid 1:10	< 0.02	mgKg
LEAD	ICP OES optic	< 0.1	mg/Kg
HEAVY METALS	ICP OES optic	traces	

Product for oenological use – Reg. (CE) N.606/2009

*This specifications should be taken as an indication and can be subjected to slight variations*