

K-TANN CITRUS – POWDER TANNIN

Fresh, with citrus notes, enhances the flavor and body of the added wine. To determine the optimum dosage required, preliminary test are recommended.

PRODUCT :	Phenolic compound extracted from Citrus fruits
DESCRIPTION :	Spray-dried extract from Citrus fruits
APPEARANCE :	Beige / light brown powder
SOLUBILITY :	Water-soluble (shaking the solution)
TASTE :	Bitter and astringent
FLAVOUR :	Neutral-lemon, dry
APPLICATION :	oenology, pharmaceutical industry, vinegar, cider, beer etc.
RECOMMENDED DOSAGE :	White and blush wines: 0,5 - 3 g/Hl Red wines: 1-5 g/Hl
SHELF-LIFE :	60 months
STORAGE :	Keep containers tightly closed in a dry place, at room temperature (12 – 20°C), away from heat and light
PACKAGING :	25 kg bags
SAMPLES :	Available all year round

CHEMICAL SPECIFICATIONS:

pH (solution 1%) :	2,7 – 3,7
Extract :	> 90%
Total Polyphenols :	> 65%
Catechines & Proantocyanidine :	< 1000 ppm % pigment
Sulphur dioxide :	< 5 ppm
Lead :	< 3 ppm
Arsenic :	< 1 ppm
Cadmium :	< 1 ppm

MICROBIOLOGICAL SPECIFICATIONS:

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

Analysis Procedure

TOTAL POLYPHENOLS:

Spectrophotometric Method.
(g/100g of product as (+) catechin)

CATECHINS AND PROANTHOCYANIDINS, Vanillina reaction

Spectrophotometric Method.
(g/100g of product as (+) catechin)

PROANTHOCYANIDINS, Bate-Smith reaction

Spectrophotometric Method.
(g/100g of product as (+) catechin)

SULPHUR DIOXIDE

Distillation of 1% solution of tannin powder in distilled water (IFU7a)

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

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