

K-TANN GALLO-ELLAGIC – POWDER TANNIN FROM CHESTNUT AND GALLA

Water/solvent extract tannin from chestnut and galla 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 laccase reduction. To determine the optimum dosage required, preliminary test are recommended.

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| PRODUCT : | Phenolic compound extracted from chestnut and galla wood |
| DESCRIPTION : | Spray-dried extract from wood, ellagic-proantocyanidinic tannin |
| APPEARANCE : | Brown-yellow 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: 1-5 g/Hl Red wines: 3-15 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 : | 25 kg bags (12,5 Kg granulated) |
| SAMPLES : | Available all year round |

CHEMICAL SPECIFICATIONS:

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|---------------------|----------------|
| pH (solution 1%) : | 2,80 – 3,20 |
| Extract : | Min 93 % |
| Total Polyphenols : | Min 85 % |
| Ashes : | Max 1,5 % |
| Gardner Color : | Max 18,00 U.G. |
| Lead : | < 5 ppm |
| Arsenic : | < 3 ppm |
| Cadmium : | < 1 ppm |
| Mercury : | < 1 ppm |

MICROBIOLOGICAL SPECIFICATIONS:

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|----------------------|--------|
| 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