



PROVINOLS™

Polyphenols from red wine

SEPPIC

A natural antioxidant directly obtained from red wine

PROVINOLS™ was developed in a partnership between INRA (Institut National de Recherche Agronomique) located in Montpellier-France and the Société Française de Distilleries, a French wine producer.

PROVINOLS™ is an alcohol-free red wine extract which contains 95% min. of polyphenols. PROVINOLES™ is derived from red wine produced in the Languedoc-Roussillon regions in the South-East of France, which have been specifically selected for their quality and antioxidant content.

The alcohol is first removed from the wine, then the solution is concentrated and spray dried to achieve a fine powder.

PROVINOLS™ are obtained without any solvent or additive.

PROVINOLS™ is a nutraceutical ingredient that presents all antioxidant properties of red wine highlighted by the French Paradox.

Red wine & polyphenol physiological properties

The polyphenolic compounds of red wine are issued from the wine making process. The grape skin, the grape pulp, the grape seeds are combined during the maceration step. The anthocyanins of the grape skin are blended with the flavonols and flavanols derived from the grape seeds. These substances are interacting and are evolving to wine during the alcoholic fermentation. After the wine making process, the finished product is particularly complex. There are some 200 different phenolic components of wine, several have yet to be characterised.

Over the last few years, many studies have been carried out on polyphenols and these have demonstrated their vast range of properties among which is its protective role against cardiovascular diseases (hypertension, atherosclerosis, myocardial infraction).

PROVINOLS™ efficacy

The ORAC value of PROVINOLES™ is 12,000 µmol TE/g (Trolox Equivalent).

Comparative analysis shows that the different polyphenol families of PROVINOLES™ are exactly the same as the ones which are contained in the wine. Thus, PROVINOLES™ preserves main beneficial activities of wine for the human body.

The University of Strasbourg France has demonstrated the efficacy of PROVINOLES™ by publishing in vitro and in vivo studies. Results show that PROVINOLES™ is absorbed in vivo and in experimental conditions polyphenols are present in the blood circulation at a concentration which is able to act on arterial pressure, cardiac & vascular functions.

Applications

PROVINOLS™ is a dark red to purple powder, water soluble at pH 3-4 and directly compressible. It is suitable for use in health food products (drinks, dairy products, confectionery) and dietary supplements.

100 mg of PROVINOLES™ correspond to the polyphenol content of 1 glass of red wine.