



## PINE AND GRAPE: OUR CORE BUSINESS

### HISTORY

From the beginning of the 70's, Vegetal extraction activity startup, Cooperation with Bordeaux University related to natural antioxidants.

Berkem becomes an expert in purified actives extraction such as Pine bark and Grape seeds antioxidants for cosmetic, pharmaceutical and nutraceutical applications.

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### POLYPHÉNOLS

Polyphenols are powerful natural antioxidants that are widely distributed in the plant kingdom: vegetables, fruits, cereals, and all vegetal varieties.

They can provide many biological properties with an action potential on health and age prevention that are particularly interesting: anti-free radicals activity, antimicrobial, vascular protection, anti-inflammatory, anti-mutagenic...

Polyphénols have antioxidants properties due to their chemical structure. Majority of them belongs to chemical families:

- Phenolic acids and single phenols
- Proanthocyanidins (with OPC)
- Hydroxycinnamic acids
- Hydroxystilbens (with Resveratrol)
- Tannins
- Anthocyanins (which provide red to violet colors in vegetals)

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### PRODUCTS & SERVICES

Our ranges:

- Pineol® : extracted from pine bark (*Pinus pinaster* L.) over 90% OPC (procyanidolic oligomers)
- Vitisol® over 90% OPC from Grape seeds

Process that we apply enable us to produce consistently high-level quality extracts and active ingredients, thanks to the selection of our raw material and partnerships with producers.

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### APPLICATIONS FIELDS

Food & Beverages  
Cosmetics  
Pharmaceuticals

### Contact

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