



Pine Nut Oil

cold pressed virgin oil

INCI Name: Pinus Pinea Kernel Oil

Key Benefits:

- Anti-aging properties
- Anti-wrinkle properties
- Antioxidant properties
- Strengthens hair
- Repairs hair

Background

Pinus pinea is a characteristic species of pine tree of the Mediterranean basin, especially of the Italian coast, where its umbrella-like foliage crown gives region a distinctive appearance. Growing from the coastal area to the hillsides, its fruits (in Italian pinoli) are common in cooking where their nutty flavor is preferred in many traditional recipes. Since ancient times, people living on the countryside (especially children), collect pinoli to eat them because of their delicious taste. Pine nut seed oil is obtained by the cold pressing of the seeds.

Cosmetic Properties

Pine nut oil is not well-known in the cosmetic field, although it has good emollient and nourishing properties. The oil enhances and restores the skin barrier, promoting the hydration and maintenance of cutaneous elasticity. It is rich in β -Sitosterol, Campesterol, and Δ -5-Avenasterol, which have remarkable anti-inflammatory activity and help to counteract skin photo-aging signs like wrinkles, loss of skin tone thanks to the ability to inhibit the up-regulation UV-induced of MMPs.

Pine nut oil is also a natural antioxidant source of α - and γ -tocopherol. It can be used to protect and nourish damaged and brittle hair. It nourishes without leaving a greasy residue.

Typical Properties

Appearance @ 25°C	Gold Yellow Liquid
Oleic acid, %	34 - 44
Linoleic acid (C18:2), %	46 - 56
Solubility	Insoluble in water Soluble in fats and oils
Heavy Metals	<20 ppm
Recommended Use Level	0.5 - 5.0%

Product Applications:

- Anti-aging skin care products
- Moisturizing products
- Products for sensitive skin
- Hair care products
- Massage oil