



# Walnut oil

INCI Juglans Regia Seed Oil  
CAS 84012-43-1 / 8024-09-7

## SPECIFICATIONS

Aspect	oily liquid
Odor	characteristic mild
Color	pale yellow

## GENERAL INFORMATION

Walnut oil is the refined fixed oil of the fruits of the walnut tree (*Juglans regia* L.). The walnuts contain about 60 % oil.

Walnut oil is different from other tree nut oils for its high content of linoleic acid (54–65%).

## FORMULATION

Because of its emollient properties and free radical scavenging activities, walnut oil is commonly used in dry skin creams as well as antiaging products or even for formulations that lighten under eye dark circles.

The high amount of linoleic acid makes walnut oil unique. Linoleic acid, better known as Omega 6, is an "essential" fatty acid that the body cannot produce. A lack of omega-6 can lead to dry skin or allergies. In the skin, linoleic acid is part of ceramides and helps maintain the lipid balance of the epidermis and the proper connection of skin cells. It also prevents water loss from the skin, while providing nourishing and softening effects.

Historically Walnut oil has been used in products to combat hair loss with the help of Omega-3 fatty acids, which prevent cellular damage, and it helps keep the scalp clean by removing all the dirt from it, making this oil perfect for those that are looking to create a hair care range.

## BENEFITS

- **Anti-inflammatory:** Walnut oil has anti-inflammatory properties that can soothe irritated skin and reduce redness.
- **Antioxidant:** The high levels of antioxidants in walnut oil help to protect the skin from damage caused by free radicals and environmental stressors.
- **Non-comedogenic:** Walnut oil has a light texture and is non-comedogenic, making it a suitable ingredient for use in cosmetics for people with acne-prone skin.
- **Anti-aging:** Walnut oil's high levels of vitamin E and antioxidants help to reduce the appearance of fine lines and wrinkles, making it an effective ingredient in anti-aging products.
- **Skin-healing:** Walnut oil has skin-healing properties that can help to improve the appearance of scars and other skin imperfections.

## APPLICATIONS

**Pharmaceuticals**  
**Natural extracts**

### Cosmetics

- Skin care
- Sun care
- Baby care
- Lip balms
- Make up
- Toiletries
- Hair moisturizing shower gels

## SHELF LIFE

6 months under proper storage conditions

## REGULATORY

ECOCERT/COSMOS Conform