

# THE JOJOBA OIL

Company

## JOJOBA GOLD

### Jojoba Seed Oil (100%)

## Product Specification

<b>INCI Name:</b>	<i>Simmondsia chinensis</i> Seed Oil
<b>CTFA Name:</b>	Simmondsia Chinensis (Jojoba) Seed oil
<b>Other Names:</b>	Buxus Chinensis Oil
<b>CAS N°:</b>	61789-91-1 (US), 90045-98-0 (EU)
<b>EC N°:</b>	289-964-3

**Description:** **JOJOBA GOLD** cold pressed Jojoba Oil, also known as Jojoba Liquid wax, is the oil pressed from seeds of the desert shrub Jojoba (*Simmondsia chinensis*). **The ingredients of this product are 100% Jojoba Oil.**

It is used in cosmetic products at concentrations ranging from 0.1 to 99%.

**Chemical and physical properties:** Jojoba oil is composed almost completely (97%) of wax esters of monounsaturated, long-chained linear fatty acids and alcohols with highmolecular weights ( $C_{16-26}$ ). These wax esters are principally (83%) compounds of  $C_{20}$  and  $C_{22}$  unsaturated acids and alcohols. Total free acids ( $C_{16}$  to  $C_{24}$ ) and total alcohols ( $C_{16}$  to  $C_{26}$ ) each account for 1% of the composition of Jojoba Oil. Mixed tocopherols and free sterols (< 0.5%) are also present. Jojoba oil is not easily oxidized and remains chemically unchanged for years (CTFA).

*"Unlike most other vegetable seed oils, which are triglycerides, jojoba oil is made of esters. This unique chemical configuration accords Jojoba special characteristics unparalleled in the plant kingdom."  
(National Academy of Science 1987)*

**Appearance:** Liquid wax of transparent aspect and golden colour at a temperature higher than 10.6°C. Below that temperature haze and opacity may appear due to the solidification of the phospholipids. Below 7°C the product becomes totally solid.

Parameter, Unit	Specification Range	Method
Specific Gravity (25°C, kg/L)	0.860-0.870	AOCS Cc 10A-25
Refractive Index ( $n_D$ at 40°C)	1.450-1.470	AOCS Cc 7-25
Acid Value (mg KOH/g)	1.0 max	AOCS Ci 4-91
Peroxide Value (meq/kg)	2.0 max	AOCS Cd 8-53
Iodine Value (g/100g)	80-90	AOCS Cd 1d-92
Saponification Value (mg KOH/g)	88-96	AOCS Cd 3-25
Colour Gardner	9 max	AOCS Td 1a-64
Total plate count (cfu/g)	< 100	BAM-FDA