

## Product Specifications

**Product:** JOJOBA OIL, Refined  
**CAS-No.:** 61789-91-1  
**INCI:** *Simmondsia Chinensis* Oil

### Origin and Production:

The Jojoba shrub (*Simmondsia chinensis*) grows in the most arid areas of the world. Argentina, Southern California, Northern Mexico, Arizona, and Israel are the main cultivation areas. It reaches a height of 3 m and forces its roots up to 9 m into the desert ground. Pressed Jojoba Oil is obtained exclusively through pressing of fresh Jojoba seeds and filtration. A golden-yellow color, mild odor and high stability expressed by the long inductive period (Rancimat test) are especially characteristic of Pressed Jojoba Oil.

<b>Test</b>	<b>Specification</b>	
	<b>min.</b>	<b>max.</b>
Sp Gr (20 °C)	0.863	0.873
RI, $\eta_D^{20}$	1.465	1.467
Acid value		2.0
Peroxide value		8.0
Iodine value	80	90
Saponification value	90	98
Unsaponifiable Matter	45	55
Color (Gardner)		2.0

### Fatty Acid Composition

Palmitic Acid, C (16:0)		3.0%
Palmitoleic Acid, C (16:1)		1.0%
Oleic Acid, C(18:1)	5.0	15.0%
Eicosenoic Acid, C (20:1)	65.0	80.0%
Behenic Acid, C (22:0)		1.0%
Erucic Acid, C (22:1)	10.0	22.0%
Nervonic Acid, C (24:1)		3.5%

**Storage:** Protect from light. Maintain at or below room temperature, in tightly sealed containers (nitrogen blanketed). Once opened product should be used immediately.

**Usage:** Jojoba Oil is found in many cosmetic and pharmaceutical products. Jojoba oil is an excellent lubricant. Its dietetic properties, heat stability and extended shelf-life are the subject of on-going investigations.