



1203 HALL AVENUE ▪ RIVERSIDE ▪ CALIFORNIA ▪ 92509  
T: 1(800) 988-OILS (951) 823-8490 ▪ F: (951) 823-8491

## **JOJOBA OIL, REFINED** **MATERIAL SPECIFICATIONS**

**PRODUCT DESCRIPTION:** The Jojoba shrub (*Simmondsia chinensis*) grows in the most arid regions of the world. Argentina, Southern California, Northern Mexico, Arizona, and Israel are the main cultivation areas. It reaches a height of 3m and forces its roots up to 9m into the desert ground. Its seeds contain 50% of pure oil. Jojoba Oil (chemically speaking it represents a natural wax) is unique in its composition in the flora. It consists of fatty acids and fatty acids alcohols, no glycerin.

Jojoba Oil, refined, is produced from crude extracted Jojoba Oil by 3-step refining into a light, food-grade product with good stability.

**USAGE:** Jojoba Oil is found in many cosmetic and also pharmaceutical products. Jojoba oil is a superb lubricant. The food industry is looking into its dietetic properties, the heat stability, and the long shelf-life.

### **PROPERTIES**

### **TYPICAL ANALYSIS**

Density at 20°C	0,863 - 0,873
Refractive Index at 20° C	1,465 - 1,467
Acid value	max. 2,0
Peroxide value	max. 8,0
Iodine value	80 - 90
Saponification value	90 - 98
Unsaponifiable matter	45 - 55 %
Colour Gardner	max. 2

### **FATTY ACID COMPOSITION**

Palmitic acid	C16:0	max. 3,0 %
Palmitoleic acid	C16:1	max. 1,0 %
Oleic acid	C18:1	5,0 - 15,0 %
Gadoleic acid	C20:1	65,0 - 80,0 %
Behenic acid	C22:0	max. 1,0 %
Erucic acid	C22:1	10,0 - 22,0 %
Nervonic acid	C24:1	max. 3,5 %
Other fatty acids		max. 3,0 %

**SHELF LIFE:** 30 Months

**STORAGE:** Light protected, not above room temperature, in tightly sealed containers (nitrogen blanketed).

This specification was developed with utmost care based on up-to-date information available, but should also be scrutinized by the recipient. It does not release him from checking the quality of goods delivered with proper diligence.

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