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Product Specifications

JOJOBA OIL, Refined

CAS 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.

<i>Test</i>	<i>Specification</i>	
	<u>Min.</u>	<u>Max.</u>
Sp Gr (20 °C)	0.863	0.873
RI, $\eta_D^{20\text{ }^\circ\text{C}}$	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
<u>Fatty Acid Composition:</u>		
Palmitic acid C (16:0)		3.0%
Palmitoleic, Acid C (16:1)		1.0%
Oleic acid C (18:1)		15.0%
Eicosenoic acid C (20:1)	65.0%	80.0%
Behenic Acid, C (22:0)		1.0%
Erucic Acid, C (22:1)	10%	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.

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