

## 73675 Jojoba Oil, techn. purest

INCI-name: Simmondsia Chinensis Seed Oil  
 CAS-number: 90045-98-0  
 EINECS: 289-964-3

### Origin and extraction:

The jojoba shrub (*Simmondsia chinensis*) grows in the arid-hot areas of the world. Argentina, southern California, northern Mexico, Arizona and Israel are the main growing areas. It reaches a height of 3 m and takes roots up to 9 m into the desert soil. Its seed contains a good 50% of the valuable oil. Jojoba (chemically it is a wax) is unique in its composition in the plant world. It consists of fatty acids and fatty acid alcohols, glycerin is not present. Jojoba oil, refined, comes from pressed jojoba oil. It is produced by product-conserving 3-step refining ene bright quality with good shelf life.

Standard specification	min.	max.
Color number according to Gardner:		2,0
Refractive index (20°C):	1,465	1,467
Acid value:		2,0
Peroxide value:		8,0
Iodine value:	80	90
Saponification value:	90	98
Unsaponifiable fractions:	45 %	55 %

Fatty acid composition:		
Palmitinsäure (C 16:0)		3,00 %
Palmitoleic acid (C 16:1)		1,00 %
Oleic acid (C 18:1)	5,00 %	15,00 %
Eiconenoic acid (C 20:1)	65,00 %	80,00 %
Behenic acid (C 22:0)		1,00 %
Eurucic acid (C 22:1)	10,00 %	22,00 %
Nervonic acid (C 24:1)		3,50 %

### Storage:

Protected from light, not above room temperature, in tightly closed containers (oil must always be gassed with nitrogen). Containers that have already been opened must be resealed as a precaution, tightly closed, stored in a dry and cool place. Otherwise, it may lead to loss of stability.

### Use:

Jojoba oil is contained in many cosmetic and also pharmaceutical products. It is also used as a special lubricant with high lubricity. Its high heat stability and long shelf life distinguish jojoba oil.

Compliance with the requirements of Regulation (EC) No. 1881/2006, as amended, for the setting of maximum levels for certain contaminants in foodstuffs with regard to polycyclic aromatic hydrocarbons (PAH) and dioxins is ensured by appropriate monitoring studies.

Solvent residues: The pharmaceutical excipient complies with the solvent residue requirements of the European Pharmacopoeia (CPMP/ICH/283/95) and the USP (467 Residual solvents). Independently of this, the food law requirements are met.

The product is not affected by the GMO issue. Against this background, this product does not require any labeling with regard to genetic modifications according to the new GMO regulations 1829/2003 and 1830/2003.

TSE/BSE risk: The raw material is of purely vegetable origin and does not come into contact with any animal materials during its production, storage and transport, or contamination is excluded.

It is therefore not affected by the regulations, taking into account the guidelines mentioned in chapter 5.2.8 of the European Pharmacopoeia.