



COSMOS
APPROVED

Product Specifications

INCA JOJOBA OIL GOLD

100 % Jojoba Seed Oil

| | |
|---------------------|--|
| INCI Name: | Simmondsia Chinensis Seed Oil |
| CTFA Name: | Simmondsia Chinensis (Jojoba) Seed Oil |
| Other Names: | Buxus Chinensis Oil |
| CAS No: | 61789-91-1 (US), 90045-98-0 (EU) |
| EC No: | 289-964-3 |

Production: cold pressing of the seeds of the Jojoba shrub

Chemical and physical properties: Jojoba oil is a wax and is composed almost completely (97%) of wax esters of monounsaturated, long-chained fatty acids and alcohols with high-molecular weights (C₁₆₋₂₆). These wax esters are principally (83%) compounds of C₂₀ and C₂₂ unsaturated acids and alcohols. Total free acids (C₁₆ to C₂₄) and total alcohols (C₁₆ to C₂₆) each account for 1% of the composition of Jojoba Oil. Mixed tocopherols and free sterols (< 0.5%) are also present. Jojoba oil is very resistant to oxidation and remains chemically unchanged for years (CTFA).

Appearance/form/odor: At temperatures > 10.6°, liquid wax of transparent aspect and golden colour. Below this temperature, haze and opacity may appear due to the solidification of the phospholipids. Below 7°C, the product becomes a solid wax. At higher temperatures, the solid wax becomes liquid again. This process has no influence on the quality of the product. Light odor of fatty oil.

Chem.-Phys. Parameters:

| Parameter, Unit | | Specification Range | Method |
|--|--------------------------|---------------------|-------------------------|
| Specific Gravity (d ₂₅ /25) | (g/ml) | 0.860-0.870 | DIN EN ISO 6883:2017-05 |
| Refractive Index | (n _D at 40°C) | 1.450-1.470 | DIN EN ISO 6320:2017-07 |
| Iodine Value | (%) | 82-87 | ISO 3961:2018-08 |
| Saponification Value | (%) | 88-96 | DIN EN ISO 3657:2013-12 |
| Peroxide Value | (meq O ₂ /kg) | 2.0 max | DIN EN ISO 3960:2017-05 |
| Acid Value | (%) | 1.0 max | DIN EN ISO 660:2009-10 |
| Colour | Gardner | 9 max. | ISO 15305:1998-09 |
| Total plate count | (cfu/g) | < 100 | BAM-FDA |

Fatty Acid composition: DIN EN ISO 12966-2:2017-08

| Parameter | | Specification Range |
|------------------|-------|---------------------|
| Palmitic Acid | C16:0 | < 3 % |
| Palmitoleic acid | C16:1 | < 1.0 % |
| Oleic acid | C18:1 | 5-15 % |
| Gadoleic Acid | C20:1 | 65 – 80 % |
| Behenic Acid | C22:0 | < 1 % |
| Erucic Acid | C22:1 | 10 – 20 % |
| Nervonic Acid | C24:1 | < 3 % |
| other | | < 3 % |

The values comply with DAC 2013-2 (German Drug Codex)

Head Office Sales
PERA GmbH
Lange Straße 79
31832 Springe
Germany
Tel: +49 5044 88 2000
kontor@pera-ingredients.de



Office Panama:
Jojoba Company Inc.
Panapark Free Zone
Galera 33
Panama City
Panama
www.incaoil.org

Additives:

Preservatives: None
Antioxidant: None
Solvents: None

Allergens (EU2007/68/EC; EU2000/13/EC)

The product is free of the following allergens:

- | | | |
|--------------------------------|---------------|-------------|
| - Gluten | - Crustaceans | - Eggs |
| - Fish | - Peanuts | - Soy Beans |
| - Lactose | - Nuts | - Celery |
| - Mustard | - Sesame | - Lupin |
| - Sulphur dioxide and sulphite | | |

Use in:

Cosmetics industry: as ingredient in skin- and hair care products

Pharmaceuticals: as coating on medical preparations, for sunburned and inflamed skin

Industrial applications: as additive in lubricants, ingredient in car- and furniture polishes, shoe wax, protective coating of fruits

Shelf life: min. 3 years from manufacturing date

Storage: Store between 10°C and 30°C in the original sealed containers. Keep away from direct sunlight.

Additional:

The product is GMO free and therefore not subject to the requirements of regulation (EC) 1829/2003 and regulation (EC) 1830/2003. No irradiated materials were used; the product itself was not irradiated. Jojoba oil is of pure vegetable origin and does not get in contact with animal material during manufacturing, storage and transportation. All information is of informative manner and without warranty. They do not release the buyer from own research and analysis and the proof that the product is suitable for its required use. The buyer himself is responsible to comply with legal provisions. The values are subject to natural fluctuations and have been made to the best of its knowledge and belief.

The product fully complies with requirements of the European Pharmacopoeia (Ph. Eur.), the Germany Pharmacopoeia (DAB) and the German Pharmaceutical Codex (DAC) as well as further national pharmaceutical standards.