



COSMOS  
APPROVED

## Product Specifications

# INCA JOJOBA OIL GOLD

100 % Jojoba Seed Oil

<b>INCI Name:</b>	Simmondsia Chinensis Seed Oil
<b>CTFA Name:</b>	Simmondsia Chinensis (Jojoba) Seed Oil
<b>Other Names:</b>	Buxus Chinensis Oil
<b>CAS No:</b>	61789-91-1 (US), 90045-98-0 (EU)
<b>EC No:</b>	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 (C<sub>16-26</sub>). These wax esters are principally (83%) compounds of C<sub>20</sub> and C<sub>22</sub> unsaturated acids and alcohols. Total free acids (C<sub>16</sub> to C<sub>24</sub>) and total alcohols (C<sub>16</sub> to C<sub>26</sub>) 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 <sub>25</sub> /25)	(g/ml)	0.860-0.870	ISO 6883:2017-05
Refractive Index	(n <sub>D</sub> at 40°C)	1.450-1.470	ISO 6320:2017-07
Iodine Value	(%)	82-87	ISO 3961:2018-08
Saponification Value	(%)	88-96	ISO 3657:2013-12
Peroxide Value	(meq O <sub>2</sub> /kg)	2.0 max	ISO 3960:2017-05
Acid Value	(%)	1.0 max	ISO 660:2009-10
Colour	Gardner	9 max.	ISO 15305:1998-09
Total plate count	(cfu/g)	< 100	BAM-FDA

### Fatty Acid composition: 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)

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**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.**