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# Technical Data Sheet

## INCA JOJOBA OIL LITE ORGANIC

100% Jojoba Seed Oil - organic, decoloured

| | |
|---|---|
| **INCI (EU):** | 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 |

**INCA JOJOBA OIL LITE ORGANIC** is organic certified to EU, NOP and JAS-Standards. The seeds are grown on certified plantations in Peru and processed in certified production sites in Panama. The product corresponds to the requirements of regulation (EC) no. 2018/848 in conjunction with regulation (EC) no. 889/2008 and regulation (EC) no. 1235/2008. The ingredient of this product is 100% Jojoba seed oil.

**Production:** Cold pressing of the seeds of the Jojoba shrub, careful physical bleaching with Tonsil filter clay

**Chemical and physical properties:** Jojoba oil is a **liquid wax** composed almost entirely (≈97%) of wax esters formed from monounsaturated, long-chain fatty acids and alcohols with high molecular weights (C16–26). Most of these wax esters (≈83%) consist of C20 and C22 unsaturated acids and alcohols.

Minor components: Free fatty acids (C16–C24) and free alcohols (C16–C26), each ≈1% of the total composition; trace amounts (<0.5%) of mixed tocopherols and free sterols.

Due to its unique wax ester structure, Jojoba oil is exceptionally resistant to oxidation and remains chemically **stable** for years, distinguishing it from most conventional vegetable oils (CTFA).

**Appearance/form/odour:** At temperatures above **10.6 °C**, Jojoba Oil Lite appears as a clear, transparent liquid wax without colour. Below this point, a slight haze or opacity may occur due to the partial solidification of phospholipids. At **7 °C and lower**, the product solidifies into a wax. Upon reheating, the solid wax returns to its liquid state without any loss of quality. Jojoba oil has a **light, fatty odour** characteristic of natural waxes.

**Physicochemical Parameters**

| Parameter | Unit | Specification Range | Method |
|---|---|---|---|
| Specific Gravity (d25/25) | g/ml | 0.860-0.870 | ISO 6883 |
| Refractive Index | nD at 40°C | 1.450-1.470 | ISO 6320 |
| Acid Value | mg KOH/g | max 1.0 | ISO 660 |
| Peroxide Value | meq O2/kg | max 5.0 | ISO 3960 |
| Iodine Value | g I2/100g | 82-87 | ISO 3961 |
| Saponification Value | mg KOH/g | 88-96 | ISO 3657 |
| Colour | Gardner | max 1 | ISO 15305 |
| Unsaponifiable Matter | % | 45-55 | ISO 3596 |
| Moisture | % | < 0,10 | ISO 662 |
| Total Plate Count | cfu/g | < 100 | CTFA-M1, Ph. Eur. |
| Yeast | cfu/g | < 100 | |
| Mold | cfu/g | < 100 | |

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**Fatty Acid Methyl Ester Composition** ISO 12966-2

| Parameter | | Specification Range |
|---|---|---|
| Palmitic Acid | C16:0 | < 3.0 % |
| Palmitoleic Acid | C16:1 | < 1.0 % |
| Oleic Acid | C18:1 | 5-15 % |
| Gadoleic Acid | C20:1 | < 65-80 % |
| Behenic Acid | C22:0 | < 1.0 % |
| Erucic Acid | C22:1 | 10-20 % |
| Nervonic Acid | C24:1 | < 3.0 % |
| Other | | < 3.0 % |

***The values comply with DAC/NRF (German Drug Codex).***

**Suggested Use:** In cosmetics and personal care products the product functions as an emollient and conditioning agent.

**Shelf Life and Storage:** The product is stable for a minimum of 24 months when stored under recommended storage conditions.
Store in tightly closed containers in a cool, dry place, protected from light and away from direct heat sources. A storage temperature of 10–30 °C is recommended.
Temporary cloudiness or partial solidification at lower temperatures is a natural and reversible characteristic of Jojoba Oil and does not affect product quality.

**The product complies with requirements of the German Drug Codex (DAC/NRF) and Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products.**

The product is

- 100% organic (EU 2018/848)
- colourless/waterclear
- animal-free/vegan
- BSE/TSE-free
- not tested on animals
- non-GMO
- Halal and kosher
- NATRUE certified *as 100% organic ingredient*
- COSMOS certified *as 100% organic by Ecocert Greenlife acc. to the COSMOS standard available at http://COSMOS/Ecocert.com*

**Respective statements/regulatory information available on request.**

*All information provided here is for informational purposes only and without guarantee. It does not relieve the buyer of the responsibility to conduct their own research and analysis or to verify the suitability of the product for the intended use. The buyer is solely responsible for compliance with legal regulations. The values given are subject to natural change and are published here to the best of our knowledge and belief.*