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Technical Data Sheet

INCA JOJOBA OIL LITE

100% Jojoba Seed Oil - 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

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

Chemical and physical properties: Jojoba oil is technically 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 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	

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).

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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) and Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products.

The product is

- colourless
- animal-free/vegan
- BSE/TSE-free
- not tested on animals
- non-GMO
- Halal and kosher
- NATRUE approved
- COSMOS approved

Respective statements/regulatory information available on request.

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