Office Panama
Jojoba Company, Inc.
Panapark Freezone
Galera 33
Panama City, Panama
www.incaoil.org

Head Office Sales
PERA GmbH
Lange Str. 79
31832 Springe
Germany
www.pera-ingredients.de

Technical Data Sheet

INCA JOJOBA OIL GOLD FFL

100% Jojoba Seed Oil – Fair For Life certified

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

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 Gold appears as a clear, transparent liquid wax of golden color. 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 9	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 36 months under standard storage conditions. The product should be stored in tightly closed containers, protected from light and at temperatures between 7–25 °C, away from heating. Under these conditions, the oil remains within specification and safe for intended use.

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

- animal-free/vegan
- BSE/TSE-free
- not tested on animals
- non-GMO
- Halal and kosher
- NATRUE approved
- COSMOS approved
- Fair For Life certified

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.