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Office Panama:
Jojoba Company Inc.
Panapark Free Zone
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Panama City
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Verified by ECOCERT

COSMOS APPROVED

Product Specifications

INCA JOJOBA OIL LITE DEODORIZED

100% Jojoba Seed Oil decolored and deodorized

INCA JOJOBA OIL LITE DEODORIZED *is a 100 % Jojoba Seed Oil, carefully physically bleached and deodorized by submitting the product to moderately high temperatures and deep vacuum. As a result the Jojobaoil is colour- and odorless. Manufactured in Panama.*

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, careful physical bleaching with Tonsil and deodorizing under moderate temperature and deep vacuum.*

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_{16-26}). These wax esters are principally (83%) compounds of C_{20} and C_{22} unsaturated acids and alcohols. Total free acids (C_{16} to C_{24}) and total alcohols (C_{16} to C_{26}) 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, colourless as well as odorless. 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. Odorless.*

Chem.-Phys. Parameters:

Parameter, Unit		Specification Range	Method
Specific Gravity (d25/25)	(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	1 max (LITE)	ISO 15305:1998-09
Total plate count	(cfu/g)	< 100	BAM-FDA

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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)

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. 2 years from manufacturing*

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. Jojobaoil is of pure vegetable origin and does not get in contact with animal material during manufacturing, storage and transportation. All information are 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 furthernational pharmaceutical standards.