

# Jojoba oil

The liquid gold from the desert



Actually, the designation of jojoba oil as "oil" is completely misleading. As it is a wax with a very low melting point, it is often confused with oil. However, the chemically completely different structure of jojoba oil (jojoba wax) to all other oils makes it so unique. Jojoba oil is liquid at room temperature.

## Qualities & Usage

We carry Jojoba oil in the following qualities for you

Art.-Nr.	Quality	Cosmetics	Food	Pharmaceutics
504031	Jojoba oil (jojoba wax) refined	Yes		Yes
504023	Jojoba oil (jojoba wax) virgin	Yes		Yes
504021	Jojoba oil virgin low odour	Yes		Yes
504124	Organic jojoba oil refined	Yes		Yes
504123	Organic jojoba oil virgin	Yes		Yes
504523	Organic jojoba oil virgin Demeter	Yes		Yes

The oil is similar to human sebum, making it ideal for use on all skin types. Jojoba oil is only suitable for external use as it contains simmondsin, whose direct toxic effect is not yet known.



# Jojoba oil

## The liquid gold from the desert



## Jojoba bush & jojoba seed

Jojoba oil (jojoba wax) is obtained from the seeds of the jojoba bush (*Simmondsia chinensis*). This belongs to the clove-like plant family. The jojoba bush is considered the most robust plant of its kind. It grows in particularly dry areas and desert regions where conventional agriculture is not possible. Thanks to its tap roots, which are up to 10 metres deep, the jojoba shrub can reach even hard-to-reach groundwater and supplies itself with water. The shrub is extremely frugal and does not need rainwater even during long dry periods, only because it is supplied by its roots. The jojoba shrub reaches growth heights of 0.5 to 3 metres, usually 2.0 to 2.5 metres. It can be recognised by its leathery, evergreen leaves and the light, hard wood and smooth bark. The upright foliage leaves, which are arranged in opposite directions, are divided into a short leaf stem and a leaf blade. Its leaves are 2 to 6 centimetres long and 1 to 2 centimetres wide. The leaves are covered with a layer of wax to protect them from perspiration. They have a life span of one to three years, depending on the humidity conditions.

There are jojoba shrubs with exclusively female and exclusively male flowers, where the female plants stand alone, but the male plants grow together in groups. After pollination of the flowers, it takes about three to six months for the jojoba fruit to ripen. These fruits are nut-like seeds, also called nuts, are wrinkled, brown and their size is similar to that of an olive. They consist of up to 50 percent of the valuable jojoba oil.

It takes up to 4-6 years until the first harvest of jojoba fruits. The maximum yield is 12 years. In a natural environment, the shrubs can live up to 200 years.



# Jojoba oil

The liquid gold from the desert

## Cultivation & yield

The jojoba bush thrives in semi-deserts and deserts. The jojoba bush is mainly grown commercially in plantations in Argentina, Mexico, USA, Peru, India, Egypt and Israel. The rich jojoba shrub is harvested during the dry season. When the seed capsules are ripe, they dry out and fall off. By shaking the bushes, harvesting is made even easier. Harvesting is carried out by special machines which, like giant vacuum cleaners, suck up the capsules that have fallen to the ground. The harvest is then sifted several times until only the seed capsules remain and are separated from all other foreign matter.

## Background / history

The jojoba shrub can be found in the group of useful plants. It was named after the American Indian tribe of the Tohono O'odham, where it is pronounced "ho-ho-wi" and was then called "ho-ho-ba" by the Spanish. There are also many other trivial names such as wild hazelnut, pork nut, venison nut, sheep nut, goat nut, coffee berry (nut) or lemon leaf. First mentions of jojoba seeds come from Spanish missionaries, in 1716 from the Jesuit Luis Xavier Velarde and in 1769 in the diaries of the Franciscan Junípero Serra. The first commercial cultivation trials were carried out in the USA in 1943. It took until the 1970s before jojoba could establish itself on the market. The indigenous people roasted and boiled the seeds to obtain a buttery ointment which was used as a healing and care product. In 1933 the special consistency of the jojoba oil was recognized; that it is a wax and has an amazing similarity to sperm oil.



# Jojoba oil (jojoba wax)

refined

**Article number:**

504031

**INCI name:**

Simmondsia Chinensis Seed Oil

**CAS number:**

90045-98-0 [für Australien (AICS) 61789-91-1]

**Botanical name:**

Simmondsia chinensis

**Usage:**

Cosmetics, Pharmaceuticals

**Certificates:**

NATRUE

**Origin:**

Our jojoba oil comes from the Arauco Desert, La Rioja, Argentina.

## Our packaging



180 kg Drum



25 kg Canister

**General durability:**

canister 12 months, drum 18 months



# Jojoba oil (jojoba wax)

refined

## Composition

C18:1 Oleic acid	5 – 15 %
C20:1 Eicosenoic acid	65 – 80 %
C22:1 Erucic acid	10 – 20 %





# Jojoba oil (jojoba wax)

refined



## Production & description

Jojoba oil (jojoba wax) is obtained from the ripe seeds of *Simmondsia chinensis* (Link) Schneid. (Buxaceae) by pressing without application of heat. We obtain the native jojoba oil directly from the origin and refine in Europe by ourselves. This makes us more flexible and gives us full control over the quality of our premium jojoba oil refined.

Clear, light yellow to yellow, oily liquid; characteristic odor. Below 10 °C the substance solidifies to a slightly granular, soft mass. Insoluble in water and ethanol; miscible with ether, petroleum ether. Due to its structure (liquid wax from high molecular weight wax esters) jojoba oil is not suitable for consumption.



# Jojoba oil (jojoba wax)

refined

Gustav Heess

## Jojoba oil (jojoba wax) refined

Gustav Heess has been working on the cultivation of jojoba in the Argentinian Arauco desert for several decades. There, ideal conditions were found for the sustainable cultivation of jojoba. Nestled between two mountain ranges with high precipitation, there is sufficient groundwater. The Argentinean desert is up to 50°C hot in summer and cools down to sometimes below 0°C in winter. These temperatures as well as sufficient water are necessary for an optimal development of the jojoba plant. A continuous watering of the plantations in the summer months is therefore essential. Workers on the plantations are busy all year round with the cultivation of new plantations and maintenance of the plantations. In the meantime, over 500 hectares of jojoba are cultivated for us. Since the first plantations, we have maintained intensive contact with the growers throughout the season. Visits on site give us a picture of the expected harvest. After the harvest we determine the price of the seed together with the growers. This price depends on quality and available quantities. The price of the seed, the financing of the contracted quantities and the production costs in the oil mill finally determine our price for our jojoba oil. In 2015, the construction of the new oil mill was completed according to the latest standards. Together with a German plant manufacturer, the latest oil presses were developed especially for gentle processing of the jojoba seed into native jojoba oil.

We use our high-quality native jojoba oil as the basis for our refined jojoba oil. Our many years of experience enable us to refine the jojoba oil (jojoba wax) particularly gently. The refining process is carried out physically without the use of chemical additives. Virgin jojoba oil has a golden yellow colour. During refining, colour and odour are removed, which are not desired in various applications and products. Thanks to its special quality, our refined jojoba oil (jojoba wax) is particularly popular with customers worldwide.



# Jojoba oil (jojoba wax)

refined

## Usage

- Jojoba oil is a liquid, oil-like wax which corresponds to the fatty mixture of the skin surface and mixes well with the natural lipid film of the skin
- Jojoba oil protects the skin from water loss without being greasy.
- Jojoba oil is quickly absorbed into the skin
- Jojoba oil can be used for all skin types
- Jojoba oil increases the shelf life of oil blends
- Jojoba oil is well suited for use as a base oil
- Jojoba oil is often used for the care of hair, face and body
- Jojoba oil helps to soothe sunburn and also offers a light natural sun protection factor
- Strengthens the skin's own protective barrier, protects against moisture loss and environmental influences.
- Tightens the connective tissue and refines the skin texture.
- Jojoba oil is odourless and often serves as the basis for massage oils
- Jojoba oil can be used to treat scars and stretch marks

- Jojoba oil is only suitable for external use, as it contains simmondsin
- Jojoba oil is antibacterial and can therefore help with itching on the scalp in a natural way
- In combination with shea butter, jojoba oil is often used for psoriasis, neurodermatitis or the so-called cradle cap

### Cosmetics

### Pharmaceutics





# Jojoba oil (jojoba wax)

refined



## Sustainability & responsibility

From the very beginning, the aim was to make the desert more fertile and thus create a sustainable basis for the livelihood of the population living there. The cultivation of jojoba bushes requires a long-term commitment of the farmers, as the plants only produce their first harvest after several years. This requires well-trained and experienced agricultural engineers, but also qualified farm workers. These are offered a long-term perspective in their home country. Thus, by careful handling of the available resources and the commitment of the employees, it is possible to produce an exceptional raw material - and this in the long term.



# Jojoba oil (jojoba wax)

virgin

**Article number:**

504023

**INCI name:**

Simmondsia Chinensis Seed Oil

**CAS number:**

90045-98-0 [für Australien (AICS) 61789-91-1]

**Botanical name:**

Simmondsia chinensis

**Usage:**

Cosmetics, Pharmaceuticals

**Certificates:**

NATRUE

**Origin:**

Our jojoba oil comes from the Arauco Desert, La Rioja, Argentina.

## Our packaging



180 kg Drum



25 kg Canister

**General durability:**

canister 12 months, drum 18 months



# Jojoba oil (jojoba wax)

virgin

## Composition

C18:1 Oleic acid	5 – 15 %
C20:1 Eicosenoic acid	65 – 80 %
C22:1 Erucic acid	10 – 20 %



# Jojoba oil (jojoba wax)

virgin



## Production & description

Jojoba oil (jojoba wax) native is obtained from the ripe seeds of *Simmondsia chinensis* (link) Schneid. (Buxaceae) by pressing without application of heat. It is produced by cold pressing process. Apart from intensive filtering, nothing is added to the production process.

Clear, light yellow to yellow, oily liquid; characteristic odor. Below 10 °C the substance solidifies to a slightly granular, soft mass. Insoluble in water and ethanol; miscible with ether, petroleum ether. Due to its structure (liquid wax from high molecular weight wax esters) jojoba oil is not suitable for consumption.



# Jojoba oil (jojoba wax)

virgin

Gustav Heess

## Jojoba oil (jojoba wax) virgin

Gustav Heess has been working on the cultivation of jojoba in the Argentine Arauco desert for several decades. There, ideal conditions were found for the sustainable cultivation of jojoba. Embedded between two mountain ranges with high precipitation, there was sufficient groundwater available. The Argentinean desert is up to 50°C hot in summer and cools down to sometimes below 0°C in winter. These temperatures are necessary for an optimal development of the jojoba plant. A continuous watering of the plantations in the summer months is therefore essential. The season starts with flowering in August. The first fruit sets in November-December allow estimates for the harvest. The season ends with the harvest in March-April and meanwhile runs with the help of harvesters. Workers on the plantations are busy all year round raising new plantations and maintaining the plantations. In the meantime, more than 500 ha of jojoba are cultivated for us. Since the first plantations, we have maintained intensive contact with the growers throughout the season. Visits on site give us a picture of the expected harvest. After the harvest we determine the price of the seed together with the growers. The price depends on quality and available quantities. The price of the seed, the financing of the contracted quantities and the production costs in the oil mill ultimately determine our price for our jojoba oil. In 2015, the construction of the new oil mill was completed according to the latest standards. Together with a German plant manufacturer, the latest oil presses were developed especially for gentle processing of the jojoba seed. Thus, we guarantee the highest quality requirements according to international specifications and the DAC. Audits and quality controls on site complete our high standard.



# Jojoba oil (jojoba wax)

virgin

## Usage

- Jojoba oil is a liquid, oil-like wax which corresponds to the fatty mixture of the skin surface and mixes well with the natural lipid film of the skin
- Jojoba oil protects the skin from water loss without being greasy
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### Cosmetics

### Pharmaceutics





# Jojoba oil (jojoba wax)

virgin



## Sustainability & responsibility

From the very beginning, the aim was to make the desert more fertile and thus create a sustainable basis for the livelihood of the population living there. The cultivation of jojoba bushes requires a long-term commitment of the farmers, as the plants only produce their first harvest after several years. This requires well-trained and experienced agricultural engineers, but also qualified farm workers. These are offered a long-term perspective in their home country. Thus, by careful handling of the available resources and the commitment of the employees, it is possible to produce an exceptional raw material - and this in the long term.



# Jojoba oil

virgin low odour

**Article number:**

504021

**INCI name:**

Simmondsia Chinensis Seed Oil

**CAS number:**

90045-98-0 [für Australien (AICS) 61789-91-1]

**Botanical name:**

Simmondsia chinensis

**Usage:**

Cosmetics, Pharmaceuticals

**Certificates:**

NATRUE

## Our packaging



180 kg Drum



25 kg Canister

**General durability:**

canister 12 months, drum 18 months



## Composition

C18:1 Oleic acid	5 – 15 %
C20:1 Eicosenoic acid	65 – 80 %
C22:1 Erucic acid	10 – 20 %



# Organic jojoba oil

refined

**Article number:**

504124

**INCI name:**

Simmondsia Chinensis Seed Oil

**CAS number:**

90045-98-0 [für Australien (AICS) 61789-91-1]

**Botanical name:**

Simmondsia chinensis

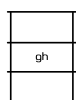
**Usage:**

Cosmetics, Pharmaceuticals

**Certificates:**

analog EU organic

## Our packaging



180 kg Drum



25 kg Canister

**General durability:**

canister 12 months, drum 18 months



# Organic jojoba oil

refined

## Composition

C18:1 Oleic acid	5 – 15 %
C20:1 Eicosenoic acid	65 – 80 %
C22:1 Erucic acid	10 – 20 %



# Organic jojoba oil

virgin

**Article number:**

504123

**INCI name:**

Simmondsia Chinensis Seed Oil

**CAS number:**

90045-98-0 [für Australien (AICS) 61789-91-1]

**Botanical name:**

Simmondsia chinensis

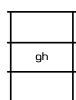
**Usage:**

Cosmetics, Pharmaceuticals

**Certificates:**

analog EU organic

## Our packaging



180 kg Drum



25 kg Canister

**General durability:**

canister 12 months, drum 18 months





## Composition

C18:1 Oleic acid	5 – 15 %
C20:1 Eicosenoic acid	65 – 80 %
C22:1 Erucic acid	10 – 20 %



# Organic jojoba oil

virgin Demeter

**Article number:**

504523

**INCI name:**

Simmondsia Chinensis Seed Oil

**CAS number:**

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**Botanical name:**

Simmondsia chinensis

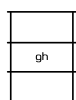
**Usage:**

Cosmetics, Pharmaceuticals

**Certificates:**

Demeter

## Our packaging



180 kg Drum



25 kg Canister

**General durability:**

canister 12 months, drum 18 months



## Composition

C18:1 Oleic acid	5 – 15 %
C20:1 Eicosenoic acid	65 – 80 %
C22:1 Erucic acid	10 – 20 %

