



Sigma Oil Seeds
exotic oils and proteins



Argan Oil Brochure

2021

v1.0



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Product Description

Argan oil, also called 'Moroccan gold' in the origin regions, is a rare and special oil that has extremely beneficial properties for skin, body and hair care.

General Information

Moroccan Specialty

The Argan tree (*argania spinosa*) grows exclusively in the south-west of Morocco. The name locals have given the oil is 'Moroccan gold', which refers to the immensely rare, long and special production process and properties of the oil. Around 21 million trees grow on the Souss plain, which covers more than 800,000 hectares. The trees can reach a height of 8 to 10 meters and some live as long as 200 years.

This species of tree bears fruit around age 5. The roots of the trees combine into a network that reaches very deep into the earth and which protects the land against soil erosion and encroachment.

The fruit is an oval berry, which is comparable to a large olive in size. Within there is a nut with one or two kernels. One tree can produce 10kg of fruit on average every year.

What makes the Argan oil so special is the age old tradition of the Berber women in Morocco. Their techniques of extraction, perfected over centuries, has been passed down from mother to daughter. Only recently has this amazing oil found it's way to Europe and the rest of the world.

Uses of the traditional Argan Oil

The Berbers mainly used the argan oil for protection from the harsh climatic conditions (such as strong winds and burning sun). The oil is very popular in the cosmetics industry, for products focused on the skin, body and hair, but also massage products. The chemical properties of the argan oil give it a lot of benefits for our body's health. The 'Oleic acid' in the oil soothes and softens the skin and gives it shine. The 'Linoleic acid', which is an essential fatty acid, gives the oil hydrating properties.

Extra Product Information

INCI Name: Argania spinosa kernel oil
CAS #: 223747-87-3
EC #: -

Storage and Shelf Life

It has a shelf life of two years in the original packaging. Please test after 1 year with 3 months interval. It is liquid at room temperature (20°C) and the best way to store it is in a cool, dry and well ventilated place away from heat and light.

General Specifications

Please note: The technical tables on this page are based on our **virgin deodorized argan oil**. For other available qualities or products, please contact us.

Physical and Chemical Characteristics

Parameter	Specification	Unit
Acid Value	Max. 4.0	mg KOH/g
Peroxide Value	Max. 10.0	meq O ₂ /kg
Iodine Value	99.0 – 102.0	gI ₂ /100g
Saponification Value	185.0 – 195.0	mg KOH/g
Relative Density (20°C)	0.908 – 0.918	g/ml

Fatty Acid Composition

Free Fatty Acid	Value	Unit
C16:0 Palmitic Acid	10.0 – 15.0	%
C16:1 Palmitoleic Acid	3.0 – 8.0	%
C18:1 Oleic Acid Omega 9	45.0 – 55.0	%
C18:2 Linoleic Acid Omega 6	24.0 – 38.0	%

Disclaimer

The information on this product datasheet is accurate to the best of our knowledge and based on testing methods, scientific studies, assistance by our suppliers, partners and processors. Sigma Oil Seeds has no claims on their products. This product is created for cosmetic and food applications. The information on the product datasheet is based on average findings. Sigma Oil Seeds B.V. does not assume any liability or risk involved in the use of its products and the conditions of use that are beyond our control.

The user of the product is solely responsible for compliance with all laws and regulations applying to the use of this product.

