

# Product information

Pomegranate Kernel Oil



All  
Organic  
Trading



## Facts and Figures



### Characteristics

Active Ingredient Oil, Omega 5 - Punicinic Acid

### Available Qualities

cold pressed  
gently refined

### Certification

DE-ÖKO-007  
COSMOS certified  
COSMOS approved  
Kosher

### Basic Plant

*Punica granatum* L. (Punicaceae - Pomegranate Family), Pomegranate Tree, Granate Tree

### INCI

*Punica Granatum* Seed Oil

### Cas-No.

84961-57-9

### Packaging / Container

bottle; canister; drum, IBC

### Composition

C16:0 Palmitic acid: 2-5 %  
C 18:1 Oleic acid: 4-10 %  
C 18:2 Linoleic acid: 4-10 %  
Conjugated fatty acids: 65-86 %  
Thereof punicinic acid: min. 60%

### Shelf Life

Good shelf life



## Details about Pomegranate Kernel Oil



### Description

The yellow-golden sticky pomegranate kernel oil is a remarkable plant oil with a distinctive smell. Pomegranate kernel oil is consumed as a supplement and used in cosmetics.

### Special Characteristics

Pomegranate kernel oil has a high content of highly unsaturated conjugated fatty acids and antioxidative fat byproducts. This rarity is especially rich in the rare punicic acid, a conjugated fatty acid that is named after the pomegranate (*punica granatum*).

### Application Cosmetics

In cosmetics pomegranate kernel oil is used as an active ingredient in combination with other base oils. Even diluted pomegranate oil is highly effective. The oil reduces wrinkles and has a tightening, regenerating effect on the skin.

The nurturing properties of our pomegranate oil were confirmed in a cosmetic study by Dr. Hauck R [ & ] D GmbH in October 2015 with the parameters of hydration, sebum level, skin smoothing and erythem reduction, . The results may be requested from us.

### Application Supplements

As a dietary supplement pomegranate seed oil is valued because of its high content of punicic acid, an Omega 5 fatty acid.

### Reference AOT

All Organic Trading introduced pomegranate oil to the German market in 2004. The contact to suppliers from Turkey, that produced the kernels as a byproduct from juice manufacturing, allowed the purchase of big amounts of organic pomegranate kernels. In the first few years the kernels were separated from the pulp and cleaned in Germany. In cooperation with an oil mill the optimal procedure for cold-pressing and filtering the oil was developed. Now we have established a gentle method for refining to offer a standardized product for special applications.

The rising demand for this special oil led to a holistic development in agriculture as well production. Pomegranate oil is a significant product these days and is used in a wide range of cosmetic products.

### Project AOT

In the farming region a big area of land was bought at a water reservoir in the last 8 years. This is where the huge pomegranate plantation "Pomegranate-Valley" was built on nearly 200ha. Through hydration it was possible to reach very good qualities and quantities.

The plantation is run by specially trained agriculture engineers and farmers. Farm workers help harvest the fruits gently when they are ripe.

After multiple years with only sun drying a drying

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facility could be created with a Turkish company in 2011. This resulted in a significant improvement of the kernels. After mechanically removing the kernels they are thoroughly cleaned to remove the pulp. The kernels are dried using hot air and then siefted. Yearly inspections as well as intensive contact with suppliers guarantee that the kernels are sufficiently clean and dry. Machines and processes could be optimized through year-long cooperation.