

PREMIER SPECIALTIES

Premier Specialties, Inc. 201 Egel Avenue, Middlesex, New Jersey 08846-2502



POMEGRANATE SEED OIL

PRODUCT NAME

PREMIER
POMEGRANATE
SEED OIL

APPLICATION(S)

Skin care
Sun protection
Anti-aging
Sensitive skin

COMPOSITION (INCI)

Punica granatum
Seed Oil

ORIGIN

Plant

CAS NUMBERS

84961-57-9

USE LEVEL

0.5-10%

SOLUBILITY

Oil

PRODUCT CODE

Premier #402275

PREMIER POMEGRANATE SEED OIL

The pomegranate tree (*Punica granatum*), best known for its red fruit containing hundreds of luscious, edible, jewel-like seeds, is one of the first known cultivated fruit plants. Inscriptions dating back to 1550 BC record the extensive history of health promoting activity of the pomegranate; from India's ancient Ayurvedic medicine to early Greek and Egyptian writings.

Based on excavations of the Early Bronze Age (around 3000 B.C.), scholars believe that the pomegranate is native to Iran and the Himalayas in Northern India. Not until later was it cultivated throughout the Mediterranean region of Asia, Africa and Europe, migrating as far east as China.

With its unique fatty acid profile, oil pressed from the dried fruit kernels of the pomegranate has been identified as an important skin care ingredient providing excellent anti-aging benefits, ideal for numerous color cosmetic and personal care applications.

WHY POMEGRANATE SEED OIL?

Pomegranate seeds are one of the few plant sources known that contain conjugated fatty acids, significant natural anti-inflammatory agents that help repair and sooth damaged skin.

Rich in punicalic acid, a conjugated linolenic acid isomer, pomegranate seed oil exhibits strong antioxidant activity to help protect skin from environmental stressors and prevent premature aging. In addition, Pomegranate seed oil has a very high content of polyphenols and conjugated trienoic fatty acids offering anti-cancer activity, especially against skin cancers. Other compounds found in pomegranate seed oil include gamma-tocopherol, a rare and potent form of Vitamin E, and phytosterols (beta-sitosterol, stigmasterol and campesterol) which condition the skin, help to improve skin metabolism and reduce inflammation.

ACTIVITY OF POMEGRANATE SEED OIL

- Highly emollient and moisturizing
- Anti-Aging
- Protective: strengthens the epidermis, anti-cancer
- Soothing
- Anti-oxidation/Free radical scavenger
- Anti-inflammation
- Anti-angiogenic with potential to ameliorate spider veins
- Luxurious skin feel and texture

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POMEGRANATE SEED OIL TYPICAL PROPERTIES



Description	Oil obtained from the dried kernels the pomegranate fruit
Appearance	Golden yellow liquid
Odor	Characteristic
Refractive Index (@25°C)	1.515 – 1.525
Specific Gravity(@25°C)	0.935– 0.945
Tocopherol Content	400 ppm
Peroxide Value	10.0 meq/kg max.
Acid Value	4.0 max.
Beta Carotene	4.5 mg/100g
Key Components	<ul style="list-style-type: none"> • Conjugated fatty acids: Highly effective as natural anti-inflammatory agents and provide strong antioxidant activity • Punicic acid: Supports the immune system and helps the body fight against cancer • Gamma-tocopherol: Potent phyto-nutrient with anti-oxidant activity; protects against free radicals and promotes healing/cell proliferation • Palmitic Acid: Restores moisture balance and skin elasticity. Highly emollient • Oleic Acid: Moisturizing, anti-inflammatory

Fatty Acid Profile	Palmitic	C16:0	3-4%
	Stearic	C18:0	2-3%
	Oleic	C18:1	3-8%
	Linoleic	C18:2	4-8%
	Punicic*	C18:3 (conj)	70% min.

* Punicic and other conjugated trienes