PRICKLY PEAR OIL

Virgin

Prickly Pear Oil Virgin

INCI : Opuntia ficus-indica seed oil
CAS #: 90082-21-6
EC #: 290-109-1
Item: TX008580

Vital in maintaining the skin barrier and its hydrolipidic mantle

Protects against ultraviolet light-induced damage

High antioxidant activity and radical scavenging abilities

High in Vitamin E and K

Virgin-pressed Prickly Pear Oil with its high antioxidant activity is essential in maintaining skin barrier and its hydrolipid mantle.

Prickly Pear Oil Virgin is the oil expressed from the seeds of *Opuntia ficusindica*, a species of cactus widely spread, most likely original from central Mexico region and naturalized in the Mediterranean area.

With a total content of unsaturated fatty acids up to 88%, Prickly Pear Oil Virgin exhibits an exceptional level of up to 70% of linoleic acid, followed by palmitic and oleic acids, respectively. The major linoleic acid present in Prickly Pear Oil Virgin has beneficial properties for human skin, reason why it is highly valued by personal care industry. This fatty acid plays an important physiological role as potent mediator of the inflammation, being essential for maintenance of the skin barrier and its hydrolipidic mantle. Linoleic acid has also been suggested to be related to the protection against ultraviolet rays and thus helping in photoprotection action of Prickly Pear Oil Virgin.

Prickly Pear Oil Virgin also contains a complex and interesting phenolic profile, with a high antioxidant potency, and radical-scavenging capacity through chelation of metal ions involved in free-radical generation. Beta-sitosterol accounts up to 70% of the total sterol content of Prickly Pear Oil Virgin, and carotenoids are also found in the unsaponifiable fraction, as singlet oxygen quenchers that protect the oil from photo-oxidation. Vitamins E and K are as well present in Prickly Pear Oil Virgin, improving its stability and furtherly providing cosmetic benefits when topically applied.

Recommended applications

Skin Care & Hair Care

Technical Data

Parameter	Value
Acid value (as oleic acid)	0.5-0.7 %
Peroxide value	< 10 meq
Unsaponifiables	3.0-3.5%
Iodine value	102-107
Oleic acid	18.5-20.5%

Appearance: clear oily liquid

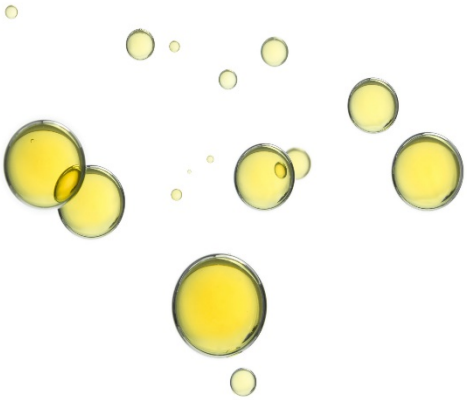
Vantage

PRICKLY PEAR OIL VIRGIN

Virgin-pressed Prickly Pear Oil with its high antioxidant activity is essential in maintaining skin barrier and its hydrolipid mantle.

Applications

Prickly Pear Oil Virgin may be directly applied on skin and hair in all sort of cosmetic products and personal care applications. With a recommended dosage between 3 to 10%, Prickly Pear Oil Virgin can be easily incorporated as an active ingredient or an excellent carrier in skin and hair care products.



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