

PREMIER SPECIALTIES

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



HEMP SEED OIL

PRODUCT NAME

PREMIER HEMP SEED
OIL

APPLICATION(S)

Skin care
Anti-aging
Aromatherapy
Sun protection
Sensitive skin

COMPOSITION (INCI)

Cannabis sativa
Seed Oil

ORIGIN

Plant

CAS NUMBER

8016-24-8

USE LEVEL

0.1 – 20%

SOLUBILITY

Oil

PRODUCT CODE

Premier #268030

PREMIER HEMP SEED OIL

Premier Hemp Seed Oil is a highly emollient oil obtained by cold pressing seeds from the Hemp plant, *Cannabis sativa*. This refined, colorless oil is THC-free and offers an elegant, light, dry feel suitable for a variety of cosmetic, personal care and aromatherapy applications.

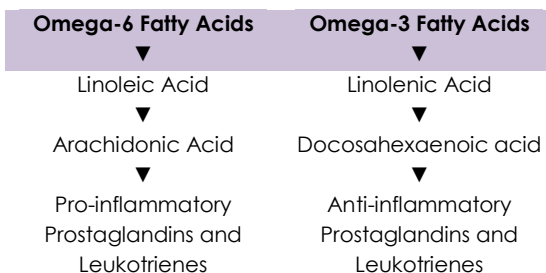
In addition to its luxurious skinfeel, Hemp Seed Oil is highly nourishing, as it is a rich source of phytonutrients including vitamins, minerals, phytosterols, phospholipids and antioxidants.

WHY HEMP SEED OIL?

Hemp Seed Oil possesses one of the highest concentrations of polyunsaturated fatty acid (PUFA) of all naturally occurring oils. It provides the perfect balance of Essential Fatty Acids to maximize skin care benefits; namely Omega-6 (Linoleic acid) and Omega-3 (α -linolenic acid) in the most effective ratio of 3:1. This unique composition makes it the optimal choice for dermatologic and cosmetic skin care preparations.

ACTIVITY OF HEMP SEED OIL

- ◆ Provides optimal balance of EFA's for moisture retention
- ◆ Anti-oxidant/free radical scavenging action
- ◆ Helps soothe and balance dry or otherwise compromised skin
- ◆ Non-greasy
- ◆ Anti-microbial activity
- ◆ Quick absorbing





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TYPICAL PROPERTIES

Appearance	Pale yellow liquid	
Odor	Characteristic	
Refractive Index @40° C	1.4690 – 1.4720	
Iodine Value	145 - 165	
Peroxide Value	< 5 meq/kg max.	
Unsaponifiable Matter	0.1 – 0.5%	
Free Fatty Acid	< 1.0%	
Tetrahydrocannabinol (THC)	< 5 ppm	
Fatty Acid Composition		
Palmitic	C16:0	4 – 12%
Stearic	C18:0	1 – 5%
Oleic	C18:1	10 – 15%
Linoleic	C18:2	45 – 64%
α-Linoleic	C18:3	15 – 20%
Total Saturated		5 – 10%
Total Monounsaturated		10 – 15%
Total Polyunsaturated		70 - 75%

REFERENCES

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- L Nissen et al., Characterization and antimicrobial activity of essential oils of industrial hemp varieties (*Cannabis sativa* L.). *Fitoterapia*, 2010; 81(5):413-419.
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