

SUNFLOWER OIL, ORGANIC

PRODUCT DATA SHEET



SUNFLOWER OIL, ORGANIC is a cold pressed Vegetable Oil that is a natural source of essential fatty acids, a combination of monounsaturated and polyunsaturated fats with low saturated fat levels. It also has beneficial amounts of lecithin.

SUNFLOWER OIL, ORGANIC is rich in Vitamins A, C, D and E. The high Vitamin E content makes this oil especially helpful for delicate and dry skin. It has a minimal colour level and is a

virtually odourless vegetable oil.

Studies using sunflower oil have been conducted involving pre-term infants that are often susceptible to infection due to their underdeveloped skin. Research suggests that pre-term infants with low birth weight can benefit from sunflower oil skin treatments. Infections decreased by 41% in infants that received a daily skin treatment of sunflower oil. The sunflower oil provided a protective barrier against infection that was not otherwise present on the infant¹.

TECHNICAL DATA

Appearance:	Pale yellow, oily liquid with minimum odour
Acidity index:	≤ 4.00 mg KOH/g
Saponification value:	184 - 194
Specific gravity:	0.919 - 0.925 g/ml

Fatty Acid	Composition
Palmitic acid	5.0 - 7.6 %
Stearic acid	2.7 - 6.5 %
Oleic acid	14.0 - 39.4 %
Linoleic acid	48.3 - 74.0 %
Linolenic acid	Max. 0.3 %

¹ <http://www.medscape.com/viewarticle/501077>

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APPLICATION

SUNFLOWER OIL, ORGANIC offers an excellent source of essential fatty acids. Functional applications for this oil include use as a dairy substitute, and in the manufacture of confectionery items.

In cosmetic applications, **SUNFLOWER OIL** is an excellent emollient. It has moisturising, nourishing and conditioning properties, excellent skin feel and is easily absorbed. It is highly recommended for formulations designed to treat dry, weathered, aged, and damaged skin. It can be used in anhydrous products and in emulsions at a concentration of 1-100% of the oil phase.

INCI Name: Helianthus annuus (Sunflower) Seed Oil
CAS Number: 8001-21-6



SUNFLOWER OIL, ORGANIC**CODE** 008088 **SPECIFICATION** **Nº** 00808802

PARAMETERS	SPECIFICATIONS	EDITION - 21/02/2007
Appearance	It is of golden - yellowish colour and has an intensive, pleasantly typical taste.	
Specific Gravity (20°C)	0.919 - 0.925 g/ml	
Refractive Index	1.473 - 1.476	
Saponification Value	184 - 194	
Unsaponifiable matter	max. 1.5 %	
Iodine Value	120 - 140	
Acid Value	max. 4.0 %	
FATTY ACID COMPOSITION		
Palmitic Acid	5.0 - 7.6 %	
Palmitoleic Acid	max. 0.3 %	
Stearic Acid	2.7 - 6.5 %	
Oleic Acid	14.0 - 39.4 %	
Linoleic Acid	48.3 - 74.0 %	
Linolenic Acid	max. 0.3 %	
Arachidic Acid	max. 0.5 %	
Behenic Acid	max. 1.5 %	
Others	max. 2.0 %	

PACKING**REMARKS**

KEEP FULL AND WELL CLOSED IN A DRY PLACE AND AWAY FROM LIGHT