

# Product - Specification

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Product / Trading-Name: **Sunflower oil pressed toasted**

**Description:** Sunflower oil is the fixed oil obtained by cold expression from toasted seeds of Helianthus annuus L. (Asteraceae).

**Product No.:** 304025

**CAS No.:** 8001-21-6

**EINECS No.:** 232-273-9

**INCI Name:** Helianthus Annuus Seed Oil

**Properties:** Dark brown oil. It is insoluble in water and ethanol (96 %); soluble in ether and petroleum spirit.

Parameter	Method	Unit	Value
<b><u>Physical and Chemical Characteristics</u></b>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 4,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,473
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,919

### **Fatty Acid Composition (GC of FAMES)**

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	4,0 - 9,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 1,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 7,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	15,0 - 64,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	28,0 - 72,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 2,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 1,0
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 2,0

### **Storage:**

Keep in well closed, well filled containers or under inert gas, protect from light, cool and dry.

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