

# Product - Specification

**gustavheess**  
group of companies since 1897

Reg-No.: Sp310020b

Rev-No.: b

Printing Date: 16. April 2020

Page: 1

Product / Trading-Name: **Safflower oil cold pressed**

**Description:** Safflower Oil is obtained by expression from the ripe seeds of *Carthamus tinctorius* L. (Asteraceae).  
Safflower Oil has a very high content of linoleic acid.

**Product No.:** 310020

**CAS No.:** 8001-23-8

**EINECS No.:** 232-276-5

**INCI Name:** Carthamus Tinctorius Seed Oil

**Properties:** A yellow oil with a characteristic odour and a mild taste. It is insoluble in water and ethanol, miscible with ether and petroleum spirit.

Parameter	Method	Unit	Value
-----------	--------	------	-------

## Physical and Chemical Characteristics

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. 1,476
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,922

## Fatty Acid Composition (GC of FAMES)

< C 14	Ph. Eur. [2.4.22]	%	max. 0,2
14:0 myristic acid	Ph. Eur. [2.4.22]	%	max. 0,2
16:0 palmitic acid	Ph. Eur. [2.4.22]	%	4,0 - 10,0
16:1 palmitoleic acid	Ph. Eur. [2.4.22]	%	max. 0,5
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 5,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	8,0 - 21,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	68,0 - 83,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 0,5
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 0,5
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 0,5
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 1,0

### **Storage:**

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

### **Residual Solvents:**

**It complies with the guideline CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)**

<b>Created:</b>	AS	<b>Checked:</b>	AW	<b>Released:</b>	MT
<b>Date:</b>	19.12.19	<b>Date:</b>	19.12.19	<b>Date:</b>	19.12.19

