

Product - Specification

gustavheess
group of companies since 1897

Reg-No.: Sp314020b
Rev-No.: b

Printing Date: 26. May 2021
Page: 1

Product / Trading-Name: **Corn oil pressed**

Description: Corn oil is obtained by expression from the embryo of Zea mays L..
Product No.: 314020
CAS No.: 8001-30-7
EINECS No.: 232-281-2
INCI Name: Zea Mays Oil
Properties: Yellow oil with characteristic odour and taste. It is insoluble in water and ethanol 96%; miscible with ether and petroleum spirit.

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 4,0
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 15,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		1,472 - 1,478
relative density (20 °C)	Ph. Eur. [2.2.5]		0,917 - 0,925

Fatty Acid Composition (GC of FAMES)

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	9,0 - 15,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 3,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	24,0 - 41,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	50,0 - 60,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 2,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 1,0
20:1 eicosenoic acid	Ph. Eur. [2.4.22]	%	max. 1,0
other fatty acids	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.

Residual Solvents:

It complies with the guideline CHMP/ICH/82260/2006 (residual solvents)

Created:	AS	Checked:	AW	Released:	MT
Date:	29.04.21	Date:	29.04.21	Date:	29.04.21

