

Product - Specification

gustavheess
group of companies since 1897

Reg-No.: Sp304031f

Printing Date: 10. March 2023

Rev-No.: f

Page: 1

Product / Trading-Name: **Sunflower oil refined solvent extracted Ph. Eur 11.0**

Description: Sunflower oil is the fatty oil obtained from the seeds of Helianthus annuus L. by mechanical expression or by extraction. It is then refined and winterized.

Product No.: 304031

CAS No.: 8001-21-6

EINECS No.: 232-273-9

INCI Name: Helianthus Annuus Seed Oil

Properties: Clear, light yellow liquid. Practically insoluble in water and ethanol (96%); miscible with light petroleum (bp: 40 - 60 °C).

Parameter	Method	Unit	Value
<u>Physical and Chemical Characteristics</u>			
acid value	Ph. Eur. [2.5.1]	mg KOH/g	max. 0,5
peroxide value	Ph. Eur. [2.5.5]	meq O2/kg	max. 10,0
refractive index (20 °C)	Ph. Eur. [2.2.6]		ca. 1,474
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,921
alkaline impurities	Ph. Eur. [2.4.19]		complies with
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 1,5
water	Ph. Eur. [2.5.32]	%	max. 0,1

Fatty Acid Composition (GC of FAMES)

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	4,0 - 9,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	1,0 - 7,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	14,0 - 40,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	48,0 - 74,0

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:	BZ	Released:	MT
Date:	09.12.22	Date:	13.12.22	Date:	20.12.22

