

Product - Specification

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Reg-No.: Sp220031f

Rev-No.: f

Printing Date: 11. June 2024

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Product / Trading-Name: **Sunflower oil High Oleic refined DAC**

Description: Sunflower oil high oleic is the fatty oil obtained from the ripe seeds of *Helianthus annuus* L. (Asteraceae) by expression or extraction. It is then refined.

Product No.: 220031

CAS No.: 8001-21-6 or 164250-88-8

EINECS No.: 232-273-9 or -

INCI Name: *Helianthus Annuus* Seed Oil or *Helianthus Annuus* Hybrid Oil

Properties: Clear, nearly colorless to pale yellow liquid, almost without odour. Practically insoluble in water, slightly soluble in Ethanol 96%, miscible with ether and petrolether.

Parameter	Method	Unit	Value
Physical and Chemical Characteristics			
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. 1,470
relative density (20 °C)	Ph. Eur. [2.2.5]		ca. 0,915
alkaline impurities	Ph. Eur. [2.4.19]		complies with
iodine value	Ph. Eur. [2.5.4]	g I2/100g	78,0 - 95,0
unsaponifiable matter	Ph. Eur. [2.5.7]	%	max. 1,5

Fatty Acid Composition (GC of FAMES)

16:0 palmitic acid	Ph. Eur. [2.4.22]	%	2,0 - 7,0
18:0 stearic acid	Ph. Eur. [2.4.22]	%	max. 7,0
18:1 oleic acid	Ph. Eur. [2.4.22]	%	min. 75,0
18:2 linoleic acid	Ph. Eur. [2.4.22]	%	4,0 - 16,0
18:3 linolenic acid	Ph. Eur. [2.4.22]	%	max. 2,0
20:0 arachidic acid	Ph. Eur. [2.4.22]	%	max. 2,0
22:0 behenic acid	Ph. Eur. [2.4.22]	%	max. 2,0
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 CPMP/ICH/283/95 and CPMP/ICH/1940/00 corr. (residual solvents)

Created:	AS	Checked:	AW	Released:	MT
Date:	12.04.19	Date:	17.04.19	Date:	18.04.19

