



Algenöl 30% DHA, 15% EPA (Schizochytrium sp) (18850)
Algae oil 30% DHA, 15% EPA (Schizochytrium sp.) (18850)

PRODUCT INFORMATION

Description	DHA- and EPA-rich oil from the microalgae Schizochytrium sp.
Scientific name	Schizochytrium sp.
Carrier / Additives	High oleic sunflower lecithin, Rosemary extract (flavoring)
Antioxidants	Ascorbyl palmitate and tocopherols
Docosahexaenoic acid	
Chemical name	Docosahexa-4,7, 10, 13, 16, 19-enoic acid
Synonyms	DHA
CAS No	6217-54-5
Empirical formula	C22H32O2
Molecular mass	328.5 g/mol
Eicosapentaenoic acid	
Chemical name	Eicosapenta-5, 8, 11, 14, 17-enoic acid
Synonyms	EPA
CAS No	10417-94-4
Empirical formula	C20H30O2
Molecular mass	302.5 g/mol

COMPOSITION

DHA/EPA Algae Oil	~96.27%
High Oleic Sunflower Oil	~3.19%
Rosemary Extract	~0.30%
Mixed tocopherols (E 306) from soybeans	~0.21%
Ascorbyl Palmitate	~0.03%

ITEM	SPECIFICATION	METHOD
Color	Light yellow	
Aroma	Characteristic	
Total Omega-3 content (DHA+EPA+DPA), mg/g oil as FA	min. 550 mg/g	
Total Omega-3 content (DHA+EPA+DPA), mg/g oil as TG	min. 560 mg/g	
DHA content, mg/g oil as FA	min. 300 mg/g	Capillary gas chromatography
DHA content, mg/g oil as TG	min. 310 mg/g	Capillary gas chromatography
EPA content, mg/g oil as FA	min. 150 mg/g	Capillary gas chromatography
EPA content, mg/g oil as TG	min. 150 mg/g	Capillary gas chromatography
DHA + EPA content, mg/g oil as FA	min. 500 mg/g	Capillary gas chromatography
DHA + EPA content, mg/g oil as TG	min. 510 mg/g	Capillary gas chromatography
Peroxide value	max. 5.0 meq/kg	AOCS Cd 8-53 or AOCS Cd 8b-90
Anisidine value	max. 20	AOCS Cd 18-90
TOTOX	max. 26	
Free fatty acid	max. 0.25 %	AOCS Ca 5a-40
Acid acid	max. 0.5 mg KOH/g	AOCS Ca 5a-40
Moisture & volatiles	max. 0.02 %	AOCS Ca 5a-40 or AOCS 3d-63
Unsaponifiable matter	max. 4.5 %	AOCS Ca 6b-53
Trans fatty acids	max. 1 %	AOCS Cd 14-95



STATEMENTS

Food Quality and Safety	According to Reg. (EC) 178/2002
Hygiene of foodstuffs	In compliance with EU Regulation (EC) 852/2004
Contaminants	According to Reg. (EC) 2023/915 for food supplements
Residual Solvents	According to Dir. (EC) 2009/32 and amendments
Pesticides	According to Reg. (EC) 396/2005 and amendments
Microbiology	Tested on every batch
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Conform
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen labeling	Subject to labeling according to Reg. (EC) 1169/2011: Mixed tocopherols (E 306) extracted from soybeans
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments

STORAGE AND HANDLING

Storage and Shelf Life	The product may be stored for 24 months from the date of manufacture in the original, unopened package at frozen temperature (store below -15°C). The 'best use before' date is printed on the label. Alternatively, the oil may be stored in the original, unopened container for up 6 months in a refrigerator (2-8°C) or 1 month in at room temperature (25°C). For extended storage and for best sensory performance, frozen storage is recommended.
Stability	The product is a natural product and due to the nature of the oil, some variability in the clarity of the product has been observed. Upon prolonged storage at room temperature or refrigerated temperature conditions, some semi-solid material may appear in the oil. This is not expected to negatively impact the quality of the product, but the oil should be well mixed to re-suspend this material prior to use.
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