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## Product Information

### Product Data Sheet

### Description

is a nutritional oil derived from the marine alga, *Schizochytrium* sp., a rich source of Omega-3 docosahexaenoic acid (DHA) and eicosapentaenoic acid (EPA) with rosemary extract (flavoring). Ascorbyl palmitate and tocopherols, as antioxidants, are added to provide stability.

### Product Identification

Product code:

#### Docosahexaenoic acid

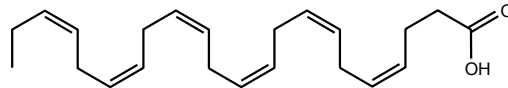
Chemical name: docosahexa-4,7,10,13,16,19-enoic acid

Synonyms: DHA

CAS No.: 6217-54-5

Empirical formula:  $C_{22}H_{32}O_2$

Molecular mass: 328.5 g/mol



#### Eicosapentaenoic acid

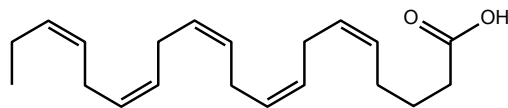
Chemical name: eicosapenta-5,8,11,14,17-enoic acid

Synonyms: EPA

CAS No.: 10417-94-4

Empirical formula:  $C_{20}H_{30}O_2$

Molecular mass: 302.5 g/mol



### Specifications

Color:	light yellow
Aroma:	characteristic
Total Omega-3 content, mg/g oil:	min. 550 mg/g
DHA content, mg/g oil:	min. 300 mg/g
DHA content, area percent:	min. 30%
EPA content, mg/g oil:	min. 150 mg/g
EPA content, area percent:	min. 15%
DHA + EPA content, mg/g oil:	min. 500 mg/g
Peroxide value:	max. 5.0 meq/kg

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Anisidine value:	max. 20
TOTOX:	max. 26
Free fatty acid:	max. 0.25 %
Moisture & volatiles:	max. 0.02%
Unsaponifiable matter:	max. 4.5 %
Trans fatty acids:	max. 1 %
Arsenic:	max. 0.1 ppm
Cadmium:	max. 0.1 ppm
Copper:	max. 0.05 ppm
Iron:	max. 0.2 ppm
Lead:	max. 0.1 ppm
Mercury:	max. 0.04 ppm

### Stability and Storage

is guaranteed to meet all product specifications when stored in the original, unopened container for up to 6 months at refrigerated temperature (4°C) and up to 24 months under frozen storage conditions (-20°C). For extended storage and for best sensory performance, frozen storage is recommended.

oil should be thawed completely and well mixed before use. Avoid oil temperatures exceeding 60°C / 140°F during the thawing process for best performance. As the material thaws some phase separation may occur. This will not negatively impact the quality of the product, but it is important that the container contents are well mixed prior to use. When possible, use the entire contents of the container at one time. Unused portions should be blanketed with nitrogen and stored frozen.

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 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.

### Uses

can be used in dietary supplements.

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#### **Safety**

This product is safe for the intended use.

For full safety information and necessary precautions, please refer to the respective Material Safety Data Sheet.

#### **Legal notice**

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.