

OMEX-60™

ENHANCED FORMULA

EPA/DHA



OMEGA OIL
FROM MARINE ALGAE

ND PHARMA & BIOTECH

OMEX-60™

EPA - DHA

Description

OMEX-60 is a nutritional oil derived from marine alga, more specific from the species *Schizochytrium sp.*, a rich source of Omega-3 Docosahexaenoic acid (DHA) and Eicosapentaenoic acid (EPA) with rosemary extract as flavoring agent and Ascorbyl palmitate and tocopherols as antioxidants, added to provide stability to the ready-to-use formula.

Product Identification

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

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

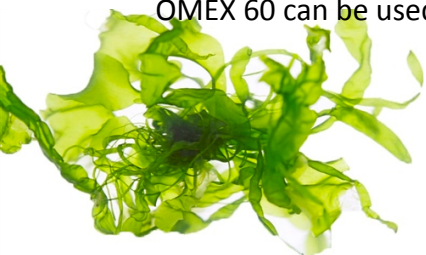
OMEX 60 is guaranteed to meet all product specifications when stored in the original, unopened container for up to 6 months at refrigerated temperature (4°C) and up to 24 months under frozen storage conditions (-20°C). For extended storage and for best sensory performance, frozen storage is recommended.

OMEX 60 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.

OMEX 60 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

OMEX 60 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 ND Pharma & Biotech Co. Material Safety Data Sheet. (MSDS)

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.

Allergen Declaration

Regulation (EU) 1169/2011 on the provision of food information to consumers requires manufacturers to declare all ingredients present in pre-packaged foods sold in the European Union with a few exceptions.

Annex II lists allergenic foods that must always be labeled when present in a product as well as those products thereof for which allergen labeling is exempted.

The below table shows the absence (No) / presence (Yes) of the allergenic compounds as listed in the aforementioned legislation. For complete transparency we also indicate in the table the presence of products for which allergen labeling is specifically exempted (marked with²):

Table on the next page (...).



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Product allergen labelling - European Union	Yes	No	Comments
Cereals containing gluten and products thereof		X	
Crustaceans and products thereof		X	
Eggs and products thereof		X	
Fish and products thereof		X	
Peanuts and products thereof		X	
Soybeans and products thereof	X		Mixed tocopherols (E 306) extracted from soybeans ²
Milk and dairy products (incl. lactose)		X	
Nuts and nut products		X	
Celery and products thereof		X	
Mustard and products thereof		X	
Sesame seeds and products thereof		X	
Sulphur dioxide and sulphites at concentrations of more than 10mg/kg or 10mg/liter expressed as SO ₂ in the product intended for the ultimate consumer		X	
Lupins and products thereof		X	
Molluscs (gastropods, bivalves, cephalopods) and products thereof		X	
Allergen labelling required		X	



ND Pharma & Biotech is active worldwide in Pharma, Nutrition, Agriculture, Industrial, Performance Materials and Chemicals. The company creates innovative products and services that help to improve life according with its motto of Making Life Better®. ND Pharma & Biotech products are used in a wide range of end markets and applications from human and animal nutrition, healthcare, life sciences, cosmetics, pharmaceuticals, automotive, transport, coatings, housing, electrics and electronics, crop protection, food preservation, disinfection and hygiene, etc. ND Pharma Food Specialties portfolio focuses on accelerating profitable and innovative growth of this Company Division Portfolio. Market-driven growth, innovation and increased presence in emerging economies are key drivers of our main strategy. We are within the global leaders in the field with a current portfolio of + 200.000 product references and + 800 own proprietary technologies and developments. Headquartered in England, UK, and proudly operating worldwide. More information can be found at www.ndpharmabiotech.com, and subsidiary websites as www.ndpharmabiotech.net and Corporate site www.ndpharmabiotech.org or writing us to info@ndpharmabiotech.com, stating clearly the motive of your communication, information needed, and contact data, both personal and institutional.





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