

Product Information

Product Data Sheet

life's™Omega 60 (O55-O100)

Product code: 5015295

Description

life's™Omega 60 (O55-O100) 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

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Docosahexaenoic acid

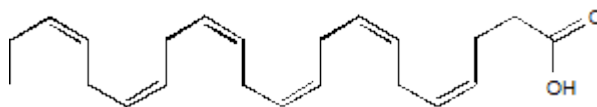
Chemical name: docosahexa-4,7,10,13,16,19-enoic acid

Synonyms: DHA

CAS No.: 6217-54-5

Empirical formula: C₂₂H₃₂O₂

Molecular mass: 328.5 g/mol



Eicosapentaenoic acid

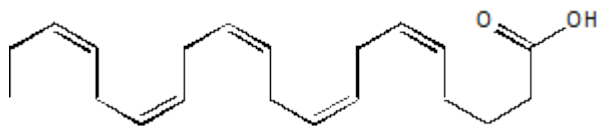
Chemical name: eicosapenta-5,8,11,14,17-enoic acid

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 %

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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
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

life's™Omega 60 (O55-O100) 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.

life's™Omega 60 (O55-O100) 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.

life's™Omega 60 (O55-O100) 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

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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

life's™Omega 60 (O55-O100) can be used in dietary supplements.

Safety

This product is safe for the intended use.

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

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life's™Omega 60 (O55-0100)

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Additional information

To find out more about our ingredients, please contact your nearest DSM Nutritional Products office.

DSM Nutritional Products Ltd Product Management Building 241 PO Box 2676 CH-4002 Basel Switzerland	Tel.: +41 (0) 61 815 8899 Internet www.dsmnutritionalproducts.com
DSM Nutritional Products LLC 45 Waterview Boulevard Parsippany, NJ 07054-1298	Tel.: +1 (800) 526 0189 (Human Nutrition, Personal Care) Tel.: +1 (800) 451-8325 (Animal Nutrition) Internet www.unlimitednutrition-na.dsm.com
DSM Nutritional Products Europe Ltd. PO Box 2676 CH-4002 Basel Switzerland	Tel.: +41 (0) 61 815 7777 Internet www.unlimitednutrition-eu.dsm.com
DSM Singapore Industrial Pte Ltd. trading as DSM Nutritional Products Asia Pacific 30 Pasir Panjang Road #13-31 Mapletree Business City Singapore 117440	Tel.: + (65) 66326500 Internet www.dsmnutritionalproducts.com
DSM Nutritional Products China No. 476, Li Bing Road Zhangjiang High-Tech Park Pudong Area, Shanghai 201203 P.R. of China	Tel.: + 86 (0)21 6141 8188 Internet www.dsmnutritionalproducts.cn
DSM Produtos Nutricionais Brasil S.A. Avenida Engenheiro Billings, nº 1729 - Prédio 31 Sala A CEP:05321-010 São Paulo - SP Brasil	Tel.: + 55 (11) 3760-6300 Internet www.dsmnutritionalproducts.com

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