

Product Specification

DHA-mega⁴⁰ Natural Triglyceride Algal Oil

Product Name	DHA-mega ⁴⁰ Algal Oil
Species	<i>Schizochytrium</i>
Description	Fully refined algal oil, made from natural triglyceride algal oil sourced by SeaDragon and processed in our refinery in Nelson, New Zealand. Standardised to a minimum 40% DHA profile when required.

Analytical:

Description	Specification
Appearance (at 20°C)	Opaque, semi-solid oil
Visual Colour	Gold/orange
Odour	Bland
Taste	Bland

Fatty Acid Profile (Expressed as percentage of methyl ester area)

DHA (Docosahexaenoic acid)	NLT. 40%
Total Omega-3	NLT. 40%

Physical and Chemical

Acid value (mgKOH/g)	<0.5
Peroxide value (mEq/kg)	<1.0
p-Anisidine value (A _{NV})	<6.0
Gardner colour	<6.0
Moisture (%)	<0.1
Impurities (%)	<0.1

NLT = Not less than, < = Less than

Process	Product is neutralised, bleached and deodorised. No solvents or concentrates are used. The refined algal oil is percolated through ~5-micron filters. To maintain a minimum 40% DHA profile, the algal oil may need to be standardised with sunflower oil to meet the fatty acid profile. Product is packed under nitrogen in a range of formats to suit the client.
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Manufacturing	Produced in facilities that are FSSC22000 certified and registered by the New Zealand Ministry for Primary Industries and operating under a Risk Management Programme (RMP) for human consumption.
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Eligibility	Certified Halal #046/MIS/2022-00 Certified Kosher 823471.
Packaging	There are 2 packing format options: - 2.3kg aluminium bottles. - 200kg food grade drums
Additives	The head space of all containers is flooded with N₂. Natural mixed tocopherols can be added as per customer requirements between 0.1 – 0.5%. There are two options: - Covi-ox T-70 EU mixed tocopherols (soybean derived) - Tocomix 70 R Non-GMO mixed tocopherols (rapeseed oil derived)
Ingredient composition	Without standardization: 99.5 – 99.9% refined natural triglyceride algal oil, 0.1 - 0.5% mixed tocopherols With standardization: ≤99.5% refined natural triglyceride algal oil, sunflower oil, 0.1 - 0.5% mixed tocopherols
Shelf life	Expiry 24 months from date of manufacture in original container.
Storage	Keep free from light and oxygen. Store below 25°C. Once opened, use promptly.
Allergen Statement	Manufactured in a facility which also processes fish oil.
GMO Statement	To the best of our knowledge contains no material from genetically modified organisms.
BSE Statement	To the best of our knowledge none of the components of this product have been processed in facilities that also handle BSE species.
Ionising Radiation Statement	To the best of our knowledge none of the components of this product have been treated with ionising radiation.

Specification Current as at 02/10/2024 V11 (DD)