

Product Information

Lonza DHA FNO

Product

DHA-rich oil from the microalgae *Ulkenia* sp. It contains at least 40% DHA of total fatty acids (TFA). It is treated and stabilized with an antioxidant (1000 mg/kg tocopherol-rich extract from soy)

Molecular weight: 806-1022

Synonyms

CAS: Glycerides, C14-22 and C16-22-unsatd.
CAS RN: 68424-59-9
EINECS: 270-310-0
Other names: Lonza DHA40
Lonza DHA functional nutrition oil

Applications

Lonza DHA FNO is a pure vegetarian source of DHA (Docosahexaenoic acid) an essential long-chain omega-3 fatty acid.

Lonza DHA FNO is developed for use in food products, especially enriched foods.

Specifications

Appearance: turbid oil
Odour and taste: characteristic

Docosahexaenoic Acid (GC): $\geq 40\%$ of TFA
Docosahexaenoic Acid: ≥ 350 mg/g

Chemical characteristics

Acid value: ≤ 0.5 mg KOH/g
Peroxide value: ≤ 5 meq./kg
Unsaponifiables: $\leq 2\%$
Moisture & Volatiles: $\leq 0.05\%$

Lead: ≤ 0.1 mg/kg

Typical Properties

Stability: min. 2 years ($< 5^\circ\text{C}$)
min. 1 year ($< 25^\circ\text{C}$)
Bulk density: 950 kg/m³
Solubility: not soluble in water
soluble in hexane/acetone

Handling

Packaging: steel drum 25 kg
steel drum 190 kg
Storage: Store under refrigeration ($< 5^\circ\text{C}$)
Becomes solid under refrigeration.
Incubate at 45°C for a short period of time to get a liquid oil.
Toxicity: LD50 oral (rat): >2000 mg/kg
Mutagenicity: Ames-test negative
Transport: not restricted
Inventories: EINECS (EU)

For further information consult Safety Data Sheet

The information contained herein is believed to be correct and corresponds to the latest state of scientific and technical knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results to be obtained from the use of such information. No statement is intended or should be construed as a recommendation to infringe any existing patent.