

Technical Data Sheet



PRODUCT NAME:	MAGOMEGA™4515
PRODUCT DESCRIPTION:	Eicosapentaenoic & Docosahexaenoic Acid Concentrate (Omega-3 monoglyceride and diglyceride fatty acids)
REFERENCE:	22303
OBSERVATIONS:	Product stabilized with Mixed Natural Tocopherols (Max. 4 mg/g)
SHELF LIFE/RETEST PERIOD:	12 months (stored in the original, unopened, sealed drum)

General Information

Odor:	Deodorized through our patented Cleantex® Technology for excellent organoleptic properties
Other:	Non-GMO IFOS Compliant

Determinations

Fatty Acid Profile

EPA mg/g (as TG)	Min. 450	Eur. Ph. 2.4.29
DHA mg/g (as TG)	Min. 150	Eur. Ph. 2.4.29
Monoglyceride content (%A)	Min. 25	Eur. Ph. 2.4.30
Monoglyceride + Diglyceride + Triglyceride content (%A)	Report	Eur. Ph. 2.2.30
Free Glycerin (%w/w)	Max. 1.5	USP Mono- and Di- glycerides

Analytical Data

Acid Value (mg KOH/g)	Max. 4	Eur. Ph. 2.5.1
Peroxide Index (meq O ₂ /kg)	Max. 5 (at time of release)	Eur. Ph. 2.5.5
Anisidine value	Max. 20 (at time of release)	Eur. Ph. 2.5.36
Totox value	Max. 26	(2 x PI) + AI
Color	Max. 8	Gardner

Contaminant Data

Arsenic (mg/kg)	Max. 0.1	AOAC 986.15
Cadmium (mg/kg)	Max. 0.1	AOCS Ca18d-01
Lead (mg/kg)	Max. 0.05	AOCS Ca18c-91
Mercury (mg/kg)	Max. 0.1	AOAC 971.21
Dioxins & Furans (pg WHO-TEQ/g)	Max. 1	HRMS/GC-MS/MS
Dioxin- Like PCBs (pg WHO-TEQ/g)	Max. 1.5	HRMS/GC-MS/MS
Sum Dioxin & Furans + Dioxin-like PCBs (pg WHO-TEQ/g)	Max. 2.5	HRMS/GC-MS/MS
PCBs (209 Congeners) (mg/kg)	Max. 0.045	EPA 8082

Molecular size

Monoglyceride-EPA(nm)	1.099
Monoglyceride-DHA(nm)	1.123

Molecular weight

Monoglyceride-EPA(Da, g/mol)	376.5
Diglyceride-EPA(Da, g/mol)	661.0
Triglyceride-EPA(Da, g/mol)	945.4

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TDS 22303

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Rev. 5

QA Manager:
Raquel Yeregui



PRODUCT NAME: **MAGOMEGA™ 4515**

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Storage

Store at temperatures < 30°C / 86°F. Preferable between 15°C/59°F and 25°C/77°F.

Shelf life can be guaranteed if the oil is stored in the original unopened sealed drum, protected from light and heat.

If the product needs to be manipulated over a period of time, it should be preserved each time in an inert atmosphere with the use of nitrogen or argon.

This product is contained in a pre-sealed drum under nitrogen gas. If the seal is broken upon inspection, please contact the manufacturer.

Standard Packaging Size: 190 Kg

Certifications / Compliance



EU Regulation 1881/2006 compliance as amended for metals, dioxins & PCBs, 3-MCPD, 3-MCPD fatty acid esters & glycidyl fatty acid esters & polycyclic aromatic hydrocarbons (PAHs).

Solutex is registered with the General Health Registry of Food Companies in compliance with Spanish regulations: 26.013729/Z, 16.03705/Z, 31.002476/Z

Aenor certification for Quality & Safety compliance: SA-0052/2010 UNE-EN-ISO 22000: 2018; ER-1375/2010 UNE-EN-ISO 9001: 2015

USFDA Registration #13660600156 including cGMP Compliance

Technology

Solutex's manufacturing operation includes patented technologies to gently extract and purify polyunsaturated fatty acids obtained from algae and fish oils. Solutex has a rigorous process for qualifying the best starting material in combination with patented purification methods which enables us to produce biolipids in higher concentrations.



Flutex combines innovative green chemistry technologies to extract, purify, separate and concentrate the individual fatty acids of omega-3 oil. This green chemistry method of fatty acid purification improves the quality of the oil compared to other chemical concentration procedures which create isomers and other contaminants.



Cleantex is an innovative, gentle purification process that utilizes nitrogen rather than steam, reducing the risk of oxidation. The combination of nitrogen and filtering sands under supercritical conditions allows us to purify and deodorize oil without exposing the Omega-3 Fatty Acids to harmful conditions.



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MaGOmega is a range of ingredients featuring Omega-3s in Monoglyceride(MAG) form for faster absorption and better bioavailability. MaGOmega uses lipase enzymes to disassemble the omega-3 fatty acids into nano units. This technology converts omega-3 fatty acids to undecomposable unit that can be directly absorbed by intestinal cell.

Patented in USA(US8198324, US9925165), Canada(CA2677670E), Europe(EP2136844), and Australia(AU2008229604). See more detail on TDS

Solutex Patent Rights

Solutex GC, SL is the licensee of two family patents, PCT/CA2008/000301 and PCT/CA2008/000530 from the Canadian company SFC Pharma, which are currently enforced in: USA, Canada, Spain, Germany, France, United Kingdom, Ireland, Belgium, Switzerland, Norway, and Australia, wherein Solutex GC has the following exclusive rights:

- Manufacture and sale of medical foods containing EPA monoglyceride (MAG), DHA MAG, and/or DPA-n-3 MAG regardless of the origin of the oil (fish oil, algae oil, etc.), for any application and health condition, in the medical food market.
- Manufacture and sale of dietary supplements containing, EPA MAG, DHA MAG, and/or DPA-n-3 MAG, provided that the origin of the oil is algae oil, and that the products may not be produced for the treatment, prevention or management of triglycerides and cholesterol in a subject.

