

OmegaPure™ Fish Oils



OmegaPure 780 EC™ is available in 120 softgels
OmegaPure 820™ is available in 120 softgels

- Source of omega-3 fatty acids, eicosapentaenoic acid/EPA, and/or docosahexaenoic acid/ DHA for the maintenance of good health.
- Helps maintain/support cardiovascular health.
- Helps support cognitive health and/or brain function.
- Helps support the development of the brain, eyes, and nerves in children up to 12 years of age.
- From 2 capsules a day: Helps to reduce serum triglycerides/ triacylglycerols.

Discussion

At the same time as the media increases consumer awareness of the importance of fish oils, manufacturers face the challenge of eliminating heavy metals and polychlorinated biphenyls (PCBs). The industry-leading technologies used in the preparation of Arctic Oils® surpass the standards for environmental pollutants, including dioxins, PCBs, pesticides, and heavy metals such as mercury.

OmegaPure™ oils are processed through special molecular distillation. Molecular distillation is commonly used to purify and concentrate fish oils. In this process, the fish oil is broken down into its basic molecular components and separated by molecular weight. Due to varying molecular weights, specific components can be removed from or concentrated in the oil. This ensures that contaminants can be reduced to levels far below industry standards. It also allows the manufacturer to increase the concentration of active ingredients.

Processing all three fish oil formulas begins with rigorous care and control of the starting raw materials (non-GMO sardines, mackerel, anchovies) to assure optimum oil quality. The oils are distilled in a controlled, pristine vacuum environment to minimize distillation temperatures. The exposure time, even to these lower distillation temperatures, is tightly controlled and uniform, resulting in levels of impurities well below the industry standards. The technology employed for the OmegaPure fish oil formulas meet special molecular distillation standards. As this oil is a concentrated source of omega-3 fatty acids, our manufacturer goes above and beyond the traditional purification methods to ensure its safety. This is accomplished by:

- » A triple-phase molecular distillation purification process to maximize purity while concentrating the EPA and DHA polyunsaturated fatty acids
- » Ensuring consistency in contaminant removal, and therefore purity levels, through uniform processing times
- » Reducing the evaporation stage to half the time of traditional systems to drive down the oxidative risk

The proprietary technologies used in the manufacture of OmegaPure oils are in accordance with pharmaceutical standards that assure safe, consistent fish oils. Furthermore, XYMOGEN requires regular third-party testing to verify that OmegaPure oils meet the stringent standards we use for freshness, quality, and purity.^[1]

Despite aggressive marketing claims to the contrary, a recent publication by Oelrich et al reported that, of the three formulations tested, there was no significant difference in the effect on triglycerides.^[2] The active therapy of the three fish oil supplementation arms was 4 g/day of combined EPA and DHA provided as: a) 90% triglyceride (TG) formulation (TG90), b) 60% TG formulation (TG60), or c) ethyl esters (EE) (i.e., 0% TG). Furthermore, omega-3 fish oils provided in an ethyl ester formulation tended to have a lower impact on increasing LDL-cholesterol levels compared to omega-3 fish oils delivered in the triglyceride formulation.*

Research and studies have shown that omega-3 fatty acids antagonize arachidonic acid-induced eicosanoid formation; help generate resolvins and protectins to aid the body's "cleanup" response to the arachidonic acid cascade; promote neurological health and mental functioning; and promote cardiovascular health, healthy glucose and insulin metabolism, and a balanced immune response.^[2-16] Research suggests that it takes 2 g/day of DHA supplementation over a period of a month to saturate the plasma and three to six months of supplementation to saturate the tissues.^[3] Concentrations of DHA increased in breast milk within less than a week of supplementation.*^[3]

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OmegaPure 780 EC™

Medicinal Ingredients (per softgel)

Fish Oil (Alaskan pollock, Pacific hake)	1.4 g
Providing	
EPA (eicosapentaenoic acid)	450 mg
DHA (docosahexaenoic acid)	330 mg

Non-Medicinal Ingredients

Softgel (tilapia fish gelatin, vegetable glycerin, and purified water), enteric coating (purified water, ethylcellulose, sodium alginate, purified water, ammonium hydroxide, medium-chain triglycerides, oleic acid, and vegetable stearic acid), and mixed natural tocopherols.

Contains: Fish (Alaska pollock, Pacific whiting [sources of fish oil], tilapia [source of fish gelatin]) from certified sustainable sources.

Recommended Dose

Adults: 1 - 3 softgels per day

Children 1 - 8 years: 1 softgel per day

Adolescents 9 - 18 years: 1 - 2 softgels per day

Does Not Contain: Wheat, gluten, corn, yeast, soy protein, dairy products, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.



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Third-Party Certificate of Analysis (COA) can be found by visiting:

<http://www.ifosprogram.com/consumer-reports.aspx>

OmegaPure 820™

Medicinal Ingredients (per softgel)

Fish Oil (Alaskan pollock, Pacific hake)	1.25 g
Providing	
EPA (eicosapentaenoic acid)	500 mg
DHA (docosahexaenoic acid)	320 mg

Non-Medicinal Ingredients

Softgel (tilapia fish gelatin, vegetable glycerin, and purified water) and mixed natural tocopherols.

Contains: Fish (Alaska pollock, Pacific whiting [sources of fish oil], tilapia [source of fish gelatin]) from certified sustainable sources.

Recommended Dose

Adults: 1 - 3 softgels per day

Children 6 - 8 years: 1 softgel per day

Adolescents 9 - 18 years: 1 - 2 softgels per day

Does Not Contain: Wheat, gluten, corn, yeast, soy protein, dairy products, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.



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Additional references available upon request

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