# Absolute Omega



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Clinical Applications

- · Affects the Production of Arachidonic Acid-Derived Eicosanoids\*
- Supports Cardiovascular Health\*
- Helps the Body Generate Specialized Pro-Resolving Lipid Mediators, Such as Resolvins and Protectins\*
- Supports Healthy Mental Functioning\*
- Supports Healthy Glucose and Insulin Metabolism\*

Absolute Omega is a concentrated fish oil that provides 600-900 mg of EPA and DHA and is delivered in a small, fish-gelatin-based softgel. Absolute Omega softgels are covered with a GRAS-certified enteric coating so that they are easy to swallow and the EPA/DHA content is optimally absorbed. EPA and DHA from fish oil promote wellness by supporting cardiovascular health, cytokine balance, joint health, and brain and nervous system function.

All Absolute Health Formulas Meet or Exceed cGMP Quality Standards

## Discussion

Source and Processing The omega-3 concentrate used in Absolute Health's Absolute Omega line of fish oils is exclusively sourced from US-caught fish, namely certified sustainable wild Alaskan walleye pollock and Pacific whiting obtained from the cold, clear waters off Alaska. Freshly caught fish are processed within hours to make quick-frozen fish fillets. The result is exceptionally fresh raw fish oil. To achieve the level of quality found in Absolute Omega fish oils, a series of critical steps are undertaken: (1) raw fish oil triglycerides are broken down into ethyl esters; (2) EPA and DHA are separated from other fats and concentrated through flash distillation: (3) cold extraction further concentrates the oil, resulting in up to 85% omega-3; (4) molecular distillation removes fishy odor and taste, resulting in extremely fresh oil; (5) PCBs, chlorinated organic pollutants, and toxic heavy metals are removed through filtration; and (6) high purity products are packaged in 190 kg drums or 900 kg totes under inert gas.

GRAS-Certified Enteric Coating Absolute Omega fish oils employ a fish-gelatin—not a bovine-gelatin softgel that is enteric-coated and GRAS-certified to further guarantee quality. The enteric coating helps ensure that the fish oils reach the small intestine before being metabolized, resulting in better delivery of actives to the intestines for absorption. This delivery may also reduce the occurrence of a fishy aftertaste.

Ethyl Ester Form Despite aggressive marketing claims to the contrary, a recent publication by Oelrich et al found that no significant difference in the effect on serum triglycerides was detected in patients taking triglyceride (TG) or ethyl ester forms of omega-3 supplements. In the study, three fish oil supplementation forms were examined. The active therapy was 4 g/day of combined EPA and DHA provided as: a 90% TG formulation, a 60% TG formulation, or ethyl esters (i.e., 0% TG). In addition to the main finding, researchers also noted that the omega-3 fish oils provided in the ethyl ester form tended to have less impact on increasing LDL-cholesterol levels compared to the omega-3 fish oils delivered in the triglyceride form.

Health Benefits of EPA/DHA 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, a balanced immune response, and healthy glucose and insulin metabolism.<sup>2-14</sup> 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. 15 Concentrations of DHA increased in breast milk within less than a week of supplementation. 15



#### Supplement Facts Serving Size: 2 Sofigels Servings Per Container: 30 Amount Per Serving %Dally Value Calories 20 Calories from Fat 20 Total Fat 2 g 3% Fish Oil Concentrate 2 g Total Omega-3 Fatty Acids 1.3 a EPA (eicosapentaenoic acid) 720 mg 480 mg DHA (docosahexaenoic acid) †Percent Daily Values are based on a 2,000-calorie diet Daily Value not established.

Other Ingredients: Softgel (tilapia fish gelatin, vegetable glycerin, and purified water), GRAS enteric coating (purified water, ethylcellulose, sodium alginate, 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.

#### **Directions**

Take one or two softgels one to three times daily, or as directed by your healthcare practitioner.

Consult your healthcare provider prior to use. Individuals taking blood thinners or other medication should discuss potential interactions with their healthcare provider. Do not use if tamper seal is damaged.

### **Does Not Contain**

Wheat, gluten, corn, yeast, soy protein, dairy products, shellfish, peanuts, tree nuts, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.



#### References

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\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.