Neurologic & Cognitive

# OmegaPure 900-TG™

### Alaskan IFOS Five-Star Certified Fish Oil in Triglyceride Form



Available in 120 fish gelatin softgels

#### Discussion

OmegaPure 900-TG offers you the best in omega-3 triglyceride-based supplementation. No other professional brand has this potency level: 900 mg EPA and DHA in a single softgel or capsule. In addition, OmegaPure 900-TG<sup>™</sup> is IFOS five-star certified, which assures the highest and purest quality oil.

#### **Processing for Purity and Quality**

The fish oil used in OmegaPure 900-TG is produced under state-of-the-art GMP guidelines approved by international regulatory authorities, including the FDA. To arrive at a high-quality, pure fish oil supplement, several aspects must be considered during the processing of the crude oil:

#### Contaminants

Heavy metals and persistent organic pollutants (POPs), such as dioxins, dichlorodiphenyltrichloroethane (DDT), polychlorinated biphenyls (PCBs), and brominated flame retardants (BFRs) accumulate in the marine food chain. Proprietary manufacturing procedures, including triple distillation or stripping of the starter oil, reduce these aforementioned contaminants and other POPs to extremely low levels. Every batch is controlled to be less than half of the limits set in the current guidelines (e.g., European Pharmacopoeia, Global Organization for EPA and DHA (GOED), United States Pharmacopeia), and actual POP levels typically show values close to or below detection limits.

#### Oxidation

Fish oil is highly susceptible to oxidation. If the oil becomes oxidized during processing, the oil's health benefits may be diminished. Closed production under nitrogen or low pressure from first refining to finished drumming ensures low oxidation, which is indicated by anisidine values that fall well below other oils on the market. Every batch is tested for oxidation products before release.

#### Potency

Crude fish oil contains approximately 30% of the active omega-3 fatty acids eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA). This means that 70% is made up of various fatty acids with different properties. By concentrating the amount of EPA and DHA to high levels, we assure optimal delivery of the fatty acids that are associated with clinical benefits.\*

## **Clinical Applications**

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

**OmegaPure 900-TG**<sup>™</sup> is International Fish Oil Standards (IFOS) fivestar certified, which assures the highest level of purity, stability, and potency in fish oils. Each fish gelatin softgel contains concentrated Alaskan fish oil that provides 900 mg of EPA and DHA omega-3 fatty acids in triglyceride form. To assure maximum purity and freshness, the oil is stabilized with mixed natural tocopherols. EPA and DHA from fish oil have been extensively researched for their health benefits. They promote wellness by supporting cardiovascular health, normal platelet aggregation, cytokine balance, joint health, and brain and nervous system function.\*

When these aspects are treated with exacting standards during processing, the product can be awarded third-party IFOS (International Fish Oil Standards) certification.

#### **IFOS Five-Star Certification**

OmegaPure 900-TG is sourced from Norwegian fish oil that is IFOS five-star certified. IFOS is the only third-party testing and certification program for omega-3 fish oil products; it sets the gold standard for analyzing products for comparison to the highest industry standards with regard to contaminants, heavy metals, stability, and potency. Furthermore, IFOS provides detailed results for all testing categories on each individual lot tested. These assays are displayed on the IFOS website.<sup>[1]</sup> IFOS is exclusively focused on omega-3 fish oil products, and it has long-standing experience with testing fish oil at all points along the supply chain. Five-star certification means:

- Product complies with all CRN<sup>†</sup>/GOED<sup>+†</sup>/WHO<sup>+++</sup> testing categories
- Quantity of active ingredients matches the label claim
- Oxidation level is below the CRN/GOED standard by at least 75%
- PCB levels are below the CRN/GOED standard by at least 50%
- Dioxin levels are below the WHO standard by at least 50%

#### **Triglyceride Form**

A triglyceride (or triacylglycerol) consists of three fatty acids bound to a glycerol backbone. Unrefined fish oils naturally contain triglycerides with varying amounts of DHA and EPA attached to glycerol. During the production of concentrated fish oils, the fatty acids are liberated into free ethyl ester (EE) form. The EE form can be maintained or the free fatty acids can be re-esterified to produce the triglyceride (TG) form. Both TG and EE forms, as found in *concentrated* fish oils, are classified as esters. OmegaPure 900-TG delivers 900 mg of EPA and DHA as a 70% TG formula.

#### Fish Gelatin Capsules-No Enteric Coating

By using 100% fish-derived gelatin softgels, OmegaPure 900-TG is appropriate for pescetarians. To allow for natural digestion of the TG molecule, no enteric coating is used to cover the fish-gelatin softgel. Furthermore, the oil is stabilized with natural vitamin E (as d-alpha tocopherol) to help ensure maximum purity and freshness.

#### Continued on next page

#### OmegaPure 900-TG<sup>™</sup> Supplement Facts

Serving Size: 1 Softgel

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	Amount Per Serving	%Daily Value
Calories	10	
Total Fat	1 g	1%†
Fish Oil Concentrate	1.286 g	**
Total Omega-3 Fatty Acids	964 mg	**
EPA (eicosapentaenoic acid)	634 mg	**
DHA (docosahexaenoic acid)	257 mg	**
<sup>†</sup> Percent Daily Value based on a 2 000 calorie diet		

\*\* Daily Value not established.

Other Ingredients: Softgel (tilapia fish gelatin, vegetable glycerin, and purified water) and mixed natural

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

**DIRECTIONS:** Take one softgel daily, or use as directed by your healthcare practitioner.

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

**STORAGE:** Keep closed in a cool, dry place out of reach of children.

**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.

Third-Party Certificate of Analysis (COA) for this specific lot can be found by scanning the QR code.



IFOS<sup>™</sup> Certification Mark is a registered trademark of Nutrasource Diagnostics Inc.

#### **Health Benefits of EPA/DHA**

Research and studies have shown that omega-3 fatty acids antagonize arachidonic acid-induced eicosanoid formation and help generate resolvins and protectins to aid the body's "cleanup" response to the arachidonic acid cascade.<sup>[2-6]</sup> EPA and DHA also support neurological health, a balanced immune response, and healthy glucose and insulin metabolism.<sup>[7-12]</sup> Supportive but not conclusive research shows that consumption of EPA and DHA omega-3 fatty acids may reduce the risk of coronary heart disease.<sup>[13-17]</sup> One serving of OmegaPure 900-TG provides 900 mg of EPA and DHA omega-3 fatty acids.\*

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. Concentrations of DHA increase in breast milk within less than a week of supplementation.\*<sup>[17]</sup>

<sup>†</sup> Council for Responsible Nutrition

<sup>++</sup> Global Organization for EPA and DHA Omega-3

<sup>+++</sup> World Health Organization

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Additional references available upon request



All XYMOGEN® Formulas Meet or Exceed cGMP Quality Standards.

\*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.

Cardiovascular Support

Essential Fatty Acids

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