

# Omega-3 Concentrates Market to Reach US\$5.11B by 2032, Driven by Heart Health, Cognitive Benefits & Plant-Based Demand

*North America leads with 34.65% share; plant-based algae omega-3s grow fastest amid sustainability and vegan consumer trends.*

AUSTIN, TX, UNITED STATES, October 24, 2025 /EINPresswire.com/ -- The global [omega-3 concentrates market](#) has reached a significant milestone, valued at approximately US\$3.02 billion in 2024, with projections estimating growth to US\$5.11 billion by 2032. This represents a robust

compound annual growth rate (CAGR) of 6.8% between 2025 and 2032, according to DataM Intelligence's comprehensive market report. This remarkable growth is fueled by increasing consumer awareness about the benefits of omega-3 fatty acids for heart health, cognitive function, and preventive nutrition. Rising demand for high-potency supplements,

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Rising health awareness, plant-based innovations, and advanced concentration technologies are reshaping omega-3 consumption linking heart, brain, and preventive nutrition globally.”

*DataM Intelligence*

pharmaceutical-grade formulations, and the expanding popularity of plant-based omega-3 sources such as algae also contribute substantially to market expansion. Innovations in concentration technologies, broader adoption across clinical nutrition, and the rise of e-commerce and digital health channels have further accelerated the market's global penetration.

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Among regional leaders, North America stands out as the largest revenue contributor, capturing a notable 34.65% market share in 2024. This leadership is attributed to the region's mature

pharmaceutical landscape, strong consumer health consciousness, advanced manufacturing and purification technologies, and sophisticated supply chains. The fish oil concentrate segment remains the dominant product type, favored for its established efficacy and widespread availability. However, the plant-based omega-3 segment, primarily sourced from algae, is emerging as the fastest-growing category due to its vegan appeal, sustainability advantages, and increasing clinical validation.

### Key Highlights from the Report

- North America leads the global omega-3 concentrates market with a 34.65% revenue share in 2024.
- Asia-Pacific is the fastest-growing regional market, driven by rising health awareness and disposable incomes.
- Fish oil concentrates dominate as the leading source segment in the market.
- The plant-based (algae) omega-3 segment is experiencing rapid growth due to sustainable and vegan consumer trends.
- Increasing consumer focus on cardiovascular and cognitive health is propelling demand.
- Innovations in molecular distillation and encapsulation technologies are improving product stability and bioavailability.

### Market Segmentation

The omega-3 concentrates market is segmented comprehensively to cater to diverse applications and preferences.

By source, the market includes marine sources such as fish oil, krill oil, and algal oil, alongside plant-based sources primarily derived from algae. Marine sources currently dominate the market owing to their historical acceptance and nutritional efficacy, while plant-based sources are gaining traction in response to veganism and sustainability concerns.

The market further segments by concentrate types, including EPA-dominant concentrates, DHA-dominant concentrates, and EPA/DHA combination concentrates, each targeting specific health benefits. Forms available in the market include triglycerides (TG), ethyl esters (EE), re-esterified triglycerides (rTG), and phospholipids, with each form offering unique absorption and stability properties.

Applications span across dietary supplements, food and beverage fortification, infant and maternal nutrition, pharmaceuticals/medical nutrition, clinical nutrition, and even pet food and animal feed. This wide range underlines omega-3 concentrates' versatile role in health and nutrition sectors.

In terms of dosage forms, the market accommodates consumer preferences with softgels/capsules, liquids, gummies and chewables, and powders, supporting varied delivery mechanisms for efficacy and convenience.

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## Regional Insights

North America remains the dominant regional market for omega-3 concentrates. The region benefits from high consumer awareness of cardiovascular and cognitive health, strong FDA and USP regulatory frameworks, and an established pharmaceutical and nutraceutical manufacturing base. Innovations in high-purity concentrates and targeted formulations for specific conditions further maintain North America's leadership.

The Asia-Pacific region is rapidly emerging as the fastest-growing market. Countries such as China, India, and Japan drive this growth with rising disposable incomes, urbanization, increasing prevalence of lifestyle diseases, and growing preventive healthcare awareness. Government initiatives promoting cardiovascular wellness, nutrition fortification programs, and advances in algal cultivation technology accelerate adoption here.

Europe exhibits steady, mature market growth. The market focuses heavily on sustainable and clinically validated omega-3 products, placing emphasis on traceability, clean-label ingredients, and eco-friendly sourcing. These attributes align with stringent consumer and regulatory expectations found throughout this region.

## Market Dynamics

### Market Drivers

Growing emphasis on preventive healthcare and rising incidences of cardiovascular, metabolic, and neurodegenerative diseases are key demand catalysts. The pharmaceutical and nutraceutical industries heavily promote high-potency EPA/DHA concentrates backed by robust clinical trials. Expansion in plant-based omega-3s aligns with consumer demand for sustainable, vegan-friendly products. Technological innovations in concentration processes, including molecular distillation, supercritical extraction, and encapsulation, ensure enhanced bioavailability and stability. Furthermore, expanded retail and digital channels worldwide facilitate accessibility, particularly in emerging markets.

### Market Restraints

Despite growth, price volatility of raw materials such as fish oils and algae-derived oils poses challenges. Sustainability concerns, including fish stock depletion and environmental impact, heighten regulatory scrutiny. Supply chain complexities related to purification, traceability, and cold chain logistics can increase costs and limit scalability. These factors may restrain market expansion unless addressed with advanced technologies and sustainable sourcing initiatives.

### Market Opportunities

Emerging markets in Asia-Pacific and Latin America offer robust potential for omega-3 product

adoption driven by rising health awareness and income growth. Personalized nutrition and condition-specific formulations represent new frontiers for product innovation. Enhanced clinical validation of algae-based omega-3s opens doors to expanding applications in infant nutrition, pharmaceuticals, cognitive support, and metabolic health. Strategic collaborations between ingredient manufacturers, pharmaceutical companies, and food producers can accelerate market penetration and expansion.

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### Reasons to Buy the Report

- Comprehensive market size and forecast data extending to 2032.
- Detailed insights into market segmentation, regional trends, and growth dynamics.
- Thorough competitive landscape analysis with key industry players and innovation highlights.
- Identification of key growth drivers, challenges, and untapped market opportunities.
- Access to expert analyst consultation and annual updates to maintain competitive advantage.

### Frequently Asked Questions (FAQs)

- How Big is the Omega-3 Concentrates Market?
- Who are the Key Players in the Global Omega-3 Concentrates Market?
- What is the Projected Growth Rate of the Omega-3 Concentrates Market?
- What is the Market Forecast for 2032?
- Which Region is Estimated to Dominate the Omega-3 Concentrates Market through the Forecast Period?

### Company Insights

- DSM-Firmenich
- BASF SE
- Croda International Plc
- Epax Norway AS
- Golden Omega
- KD Pharma Group
- Aker Bio Marine
- GC Rieber Oils
- Nordic Naturals Inc.
- Omega Protein Corporation

### Recent developments:

-In October 2025, DSM Nutritional Products USA launched high-purity omega-3 concentrates for

nutraceutical and functional food applications, supporting cardiovascular and cognitive health.

-In September 2025, Croda USA completed the acquisition of a specialty marine oil startup, expanding its omega-3 concentrate portfolio and accelerating innovation in sustainable nutritional oils.

## Conclusion

The omega-3 concentrates market is positioned for sustained growth driven by scientific validation, rising consumer health consciousness, and innovation in sustainable, high-potency formulations. North America currently leads in revenue, bolstered by advanced pharmaceutical integration and consumer acceptance, while the Asia-Pacific region offers the highest growth potential fueled by demographic and economic factors. The diversification into plant-based omega-3 concentrates reflects evolving consumer preferences for vegan and environmentally responsible products. Market participants focusing on technological advancement, regulatory compliance, and sustainable sourcing stand to gain competitive advantage in this dynamic and expanding global market. The future of omega-3 concentrates will be shaped by expanded clinical applications, personalized nutrition solutions, and a strong commitment to sustainability.

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