




A Camlin Fine Sciences Company

Delivering Innovation Through **Algal DHA** Solutions

Clean | Sustainable | Algae-Based Omega-3 Nutrition



Supplying high-purity
Algal DHA Oil and Algal Omega3 Oil
(DHA+EPA) in crude and refined forms
for human and animal nutrition.

 + 91 79046 00800 | www.algalr.com

About Us

Leading the Way In AlgalR Based Wellness Solutions

CFS-AlgalR is a trusted supplier of vegetarian DHA and EPA derived from microalgae for 11 Years. Our patented processes, FSSC 22000V6, and FSSAI certifications ensure the highest product integrity. From production to packaging, every batch we deliver supports global partners with clean-label omega-3 solutions driven by science and designed for results in every shipment.

Our operations are guided by six foundational values—Quality, Innovation, Teamwork, Integrity, Creativity, and Customer Focus—ensuring excellence at every step.

Our Core Values



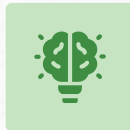
Quality



Integrity



Innovation



Creativity



Team Work



Customer Focus



PRODUCT OVERVIEW

Our Algal DHA is a vegan omega3 sourced from Schizochytrium sp. Every drop delivers clean, safe, and sustainable nutrition for modern wellness needs.

Available Forms

- **DHA Oil**
10–60% purity (Crude & Refined)
- **Algal Omega3 Oil (DHA+EPA)**
10–60% purity (Crude & Refined)
- Also available in **powder form** for versatile formulations.



Clean | Sustainable | Algae-Based Omega-3 Nutrition

Key Features

- Clean and pure formulation
- Non-marine, vegan DHA source
- Free from toxins and heavy metals
- Solvent-free extraction
- Neutral taste and aroma
- Easy to blend into formulations
- Ideal for nutraceuticals, food, and functional products
- Free from harmful additives and allergens
- Backed by scientific validation
- Tailored for global market applications

Discover the Powerful Benefits of Algal Omega3



Brain Health Support

Enhances cognitive function, memory retention, and mental clarity across all age groups.

Reference: Yurko-Mauro K. et al. "Beneficial effects of docosahexaenoic acid (DHA) on cognitive function in age-related cognitive decline." *Alzheimer's & Dementia*, 2010; 6(6): 456-464.



Eye Care Benefits

Rich in DHA — essential for maintaining retinal health and supporting clear vision.

Reference: SanGiovanni J.P. & Chew E.Y. "The role of omega-3 long-chain polyunsaturated fatty acids in retinal health." *Progress in Retinal and Eye Research*, 2005; 24(1): 87-138.



Heart Wellness

Promotes cardiovascular health by balancing blood lipids and reducing inflammation naturally.

Reference: Mozaffarian D. & Wu J.H.Y. "Omega-3 fatty acids and cardiovascular disease: effects on risk factors, molecular pathways, and clinical events." *Journal of the American College of Cardiology*, 2011; 58(20): 2047-2067.



Women's Health

Supports pregnancy and lactation — aids fetal brain and eye development, improves birth outcomes and infant cognition, assists postpartum recovery, and helps regulate hormones for long-term reproductive wellness.

Reference: Carlson S.E. & Colombo J. "Docosahexaenoic acid and arachidonic acid nutrition in early development." *Advances in Pediatrics*, 2016; 63(1): 453-471.



Sexual Wellness

Improves libido and sexual function by enhancing circulation, hormone balance, and mood. Supports vascular and reproductive health through reduced inflammation and oxidative stress.

Reference: Oliveira D.C.R. et al. "Omega-3 supplementation improves endothelial function and sexual function in women." *Journal of Sexual Medicine*, 2018; 15(5): 702-710.



Weight Management

Supports healthy body composition by regulating fat metabolism, improving insulin sensitivity, controlling appetite, and enhancing muscle recovery for sustainable weight management.

Reference: Buckley J.D. & Howe P.R.C. "Long-chain omega-3 polyunsaturated fatty acids may be beneficial for reducing obesity—a review." *Nutrients*, 2010; 2(12): 1212-1230.

Why Biosus Omega3 Oil is better than Fish Oil?

Fish Oil	Parameter	Biosus Omega3 Oil
Fish	Origin	Algae
Non-vegetarian	Diet Pattern	Vegetarian
Comes with accumulated toxins such as Dioxin and Polychlorinated biphenyls	Toxin	Algae cultivated in fermenters
Present	Heavy Metals	Below detectible limit
Yes, due to heavy metals	Rejection	No, because below detectible limit
Prone to oxidation	Oxidation	Omega3 oil protected with blends of natural antioxidants
Highly unstable Artificial stabilizers added	Stability	Stable for 24 months
Oxidized fish oil leads to strong fishy odour	Suitability	The characteristic algal odor attracts animals for improved feeding Best suited for all animal feed formulations
Oxidized fish oil has a negative impact	Health Impact	Stable Omega-3 oil enhances bioavailability and improves health
Possible contamination – not always known	Steroids, Pesticides & Antibiotics	Our algae is cultivated under stringent controlled conditions using food-grade glucose as a carbon source.
Not sustainable	Sustainability	Highly sustainable
No	Allergen-Free	Yes

ALGAL OMEGA3 OIL - HUMAN NUTRITION

(Food Category: 99-Substances added to food; Sub-Food Category: 99.7-Functional ingredients (under Schedule IV, VI, and VIII))

Product and Description	Certification		Pack size (Kg)	HS code	Form		Application		Organoleptic		Source	
	FSSC22000-V6	Halal			Liquid	Powder	Dietary Supplement	Pharmaceutical ingredient	Color	Odor	Algae	Vegetarian
Biosus DHA40 (DHA Oil-TG40N/C) Nutritional oil from microalgae containing min. 40 % DHA (400 mg DHA/g of Oil)	✓	✓	10,180,950	15156000	✓		✓		Pale yellow	N/C (Neutral/Characteristic)	✓	✓
Biosus DHA50 (DHA Oil-TG50N/C) Nutritional oil from microalgae containing min. 50 % DHA (500 mg DHA/g of Oil)	✓	✓	10,180,950	15156000	✓		✓		Pale yellow	N/C (Neutral/Characteristic)	✓	✓
Biosus DHA60 (DHA Oil-TG60N/C) Nutritional oil from microalgae containing min. 60 % DHA (600 mg DHA/g of Oil)	✓	✓	10,180,950	15156000	✓		✓		Pale yellow	N/C (Neutral/Characteristic)	✓	✓
Biosus DHA+EPA30 (Omega3 Oil-TG30N/C) Nutritional oil from microalgae containing min. 20 % DHA + 10 % EPA (300 mg total Omega3/g of Oil)	✓	✓	10,180,950	15156000	✓		✓		Pale yellow	N/C (Neutral/Characteristic)	✓	✓
Biosus DHA+EPA55 (Omega3 Oil-TG55N/C) Nutritional oil from microalgae containing min. 40 % DHA + 15 % EPA (550 mg total Omega3/g of Oil)	✓	✓	10,180,950	15156000	✓		✓		Pale yellow	N/C (Neutral/Characteristic)	✓	✓

TG, Triglycerides; EE, Ethyl ester; N, Neutral odor and taste; C, Characteristic marine odor and taste

FAQs & Contact

■ **What is Algal DHA?**

Algal DHA, derived from Schizochytrium sp., is a sustainable and vegetarian alternative to fish oil.

■ **Is Algal DHA safe for infants and pregnant women?**

Yes. Our Algal DHA meets strict global safety and purity standards, making it suitable for infant and maternal nutrition products.

■ **How pure is your Algal DHA Oil?**

Available in 10–60% purity, offered in both crude and refined grades, customized for diverse applications.

■ **Does Algal DHA contain allergens?**

No. It's 100% vegetarian, allergen-free, and free from marine contaminants.

■ **Can Algal DHA be used in vegan products?**

Absolutely. It's algae-based, ideal for vegan and vegetarian supplements and functional foods.

How is Algal DHA extracted?

■ We use patented, solvent-free physical extraction to ensure purity and nutrient integrity.

ABOUT PACKAGING AND TRANSPORT

Clean | Sustainable | Algae-Based Omega-3 Nutrition

Packing & Transport Standards (Biosus DHA Oil)

Packaging Type	Capacity	Material	Use Case
Aluminium Canister	10 kg	Food-grade aluminium	Small-scale supply / trials / premium packs
Composite Barrel	180 kg	Food-grade lined steel with inner plastic coated	Bulk distribution
IBC Container	950 kg	Intermediate Bulk Container (food-grade)	Large industrial supply

Mode of Transport	Condition	Application
By Sea	Reefer containers at +4°C	Standard bulk shipments
By Air	Minimum shipment < 100 kg (urgent need only)	Minimum shipment < 100 kg (urgent need only)

Key Compliance Points

- All packing meets **food-grade safety standards**.
- Products transported under **cold chain (+4°C)** to maintain DHA stability.
- Traceability ensured from packaging to delivery





Our Certifications & Compliance Standards



A Camlin Fine Sciences Company



Factory

S. No. 259/1Q1, 1Q2, 1R1, 1R2,
Palayapatti – North, Budalur Taluk,
Thanjavur – 613 402, Tamil Nadu, India



+91 79046 00800



+91 94898 47425 | +91 88701 64876



salesanpl@camlinfs.com



www.algalr.com

