



PRIMASTM

BIOSCIENCE

Precise ■ Perfect ■ Progress

**Explore our range of products and consult with
our experts to find the perfect fit for your
formulations**

Primas Bioscience: Bridging the Nutrition Gap

Founded by a team of innovators from IIT Madras, Primas Bioscience is a pioneering biotech start-up that has successfully transitioned cutting-edge technology from lab to market in the nutraceutical segment. Our focus lies in harnessing the potential of secondary metabolites from natural microbes to develop high-quality nutritional supplements that promote human health.

Our Mission

We specialize in manufacturing nutritional supplements and developing sustainable technologies for the nutraceutical and pharmaceutical industries. As a prototype, we've developed a sustainable process for producing omega-3 fatty acid (DHA), a crucial nutritional supplement essential for normal physical growth and neurologic development.



Dosage forms supported by our ingredients:

- Suspensions
- Drops
- Gummies
- Tablets
- Softgels
- Sachets
- Food fortification
- Health formulas

Natural Pigments – Customized to your needs

We produce **high-purity natural pigments** through a **sustainable fermentation process**, utilizing microbial sources isolated from the **Coromandel coastal area**. Our products are extracted using a solvent extraction process and are rich in antioxidants, making them suitable for the nutraceutical and feed industries. We offer a range of products with varying minimum order quantities (MOQs). Products that we offers

Purity Analysed by UV & HPLC

- **Astaxanthin**
 - 10 % & 5 % in oil
 - 1 % & 2 % in powder form
- **Lutein**
 - 10 % & 5 % in oil
 - 1 % & 2 % in powder form
- **Zeaxanthin**
 - 10 % & 5 % in oil
 - 1 % & 2 % in powder form
- **Beta carotene**
 - 10 % & 5 % in oil
 - 1 % & 2 % in powder form



Benefits of Natural pigments:

- Antioxidant and Anti- inflammatory
- Antiaging
- Eye health
- Heart health
- Neuroprotective



Corporate Office Address :

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Factory Address :

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SIPCOT Industrial growth centre,
Perundurai – 638052

Product Name	Product Specification	Product Description	Dosage Form
Prialg DHA (liquid form)	<ul style="list-style-type: none"> • DHA 10 % • DHA 40 % (TG) • DHA 70 % (EE, rTG) 	<p>Prialg DHA is a premium omega-3 oil produced through a sustainable technology that converts simple sugar into valuable DHA using microalgae.</p> <p><i>This product boasts:</i></p> <ul style="list-style-type: none"> • Heavy Metal-Free: Ensuring a safe and healthy supplement option. 	
Prialg DHA (Powder form)	<ul style="list-style-type: none"> • DHA 10 % w/w • DHA 17 % w/w • Thermo stable DHA powder for baking process 	<ul style="list-style-type: none"> • High Purity DHA: Delivering potent omega-3 benefits. • Enhanced Stability: Blended with a natural antioxidant consortium to maintain potency. • Vegan-Friendly: Suitable for plant-based diets, making it an excellent choice for vegan customers. • Fortification: easy to fortify in the food products 	
Carotenoids	<ul style="list-style-type: none"> • Astaxanthin 2% w/w powder form • Astaxanthin 10 % w/w oleoresin (waxy form) • Zeaxanthin (oleoresin & Powder form) • Leutin (Oleoresin & powder form) 	<p>Our carotenoids are produced using a cutting-edge, sustainable technology that leverages naturally sourced marine bacteria (non-GMO) to convert simple sugar into valuable xanthophyll pigments.</p> <p><i>Key benefits include:</i></p> <ul style="list-style-type: none"> • Heavy Metal-Free: Ensuring a safe and healthy product. • High Pigment Concentration: Delivering potent and effective carotenoid solutions. <p>This innovative approach provides a reliable source of high-quality carotenoids, perfect for various applications.</p>	





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Nourish Your Body...

Elevate Your Life...

Nourish Your Body, Elevate Your Life:

Discover the power of nutrition and wellness with our premium range of products, carefully crafted to support your overall health and vitality.

Our offerings include

1. Omega-3 Rich Supplements: Boost heart health, brain function, and joint mobility with our high-quality algal oil.
2. Nutrient-Dense Foods: Indulge in delicious and nutritious foods that fuel your body with essential vitamins, minerals, and antioxidants.

Our products are designed to help you

1. Enhance Cognitive Function: Support brain health and motor skills with our omega-3 rich supplements.
2. Promote Heart Health: Reduce inflammation and improve cardiovascular health with our nutrient-dense foods and supplements.
3. Boost Immune System: Fortify your body's defences with our wellness-promoting ingredients.



DHA Premix - Customized To Your Needs



Thermostable DHA Premix Powder

Withstand high processing temperature (> 180 deg)



Cookies



Bread



Cakes

DHA Premix Powder

No off smell and taste
Biodegradable coating material



Chocolates



Health Mix Powders



Cereal Bars

Liposomal DHA Premix

For milk shakes and milk drinks
Increased bio absorption



Milkshakes



Milk Drinks

Salad Dressing

- 5ml – per serve
- 50 mg of DHA
- 2 mg of Astaxanthin



Salads

Using Our DHA Products: A Guide for Customers

We're excited to share our DHA products with you! To get the most out of our products, follow these simple guidelines:

For Baking and Cooking:

Use our thermo-stable DHA premix powder to add DHA to your baked goods, such as bread, cakes, and pastries. Mix the premix powder with other dry ingredients, like flour and sugar, to achieve the desired DHA concentration. Then, proceed with your usual baking and cooking process.

For Adding DHA to Milkshakes:

Use our DHA premix solution to add DHA to your favourite milkshakes. Simply blend the solution with your milkshake ingredients at the time of consumption. You can achieve up to 100 mg of DHA per serve, depending on your needs.

For Salad Dressing:

Add 5 ml of our DHA-enriched salad dressing to your favourite salad. This will provide 50 mg of DHA and 2 mg of Astaxanthin per serve. You can use our salad dressing on its own or with other dressing products.

By following these guidelines, you can easily incorporate our DHA products into your daily routine and enjoy the benefits of DHA.

Product Name	Description	Flavour/ varieties	Base Oil	MOQ
Mindmax DHA millet cookies	<ul style="list-style-type: none"> • Thermo stable Prialg DHA • 0% Maida • No refined sugar • Contains finger and pearl millets • Minerals (Fe, Ca, Zn, Mg) • Different flavors 	<ul style="list-style-type: none"> • Chocolate • Pineapple • Butterscotch • Pista 	<ul style="list-style-type: none"> • Butter • Hydrogenated vegetable oil (Zero trans fat) 	<ul style="list-style-type: none"> • One cookie box contains 5 aluminium pouches • Each pouches contains 2 numbers of cookies • Per 100 g cookie contains 50 mg of DHA • Each box contains 5 servings • Minimum order quantity should be 5000 boxes
Mindmax DHA Chocolates	<ul style="list-style-type: none"> • Thermo stable Prialg DHA • Different cocoa concentration 	<ul style="list-style-type: none"> • Milk chocolate • Dark chocolate • Fruits & Nuts • Orange peel • Butterscotch • Roasted almond • Fruits & nuts • Roasted cashew • Dark almond • White almond 	Cocoa butter <ul style="list-style-type: none"> • 36 % • 58 % • 70 % • 80 % • 90 % 	<ul style="list-style-type: none"> • Bar size can be customized • Per 100 g of chocolates contains 100 mg of DHA • Minimum order quantity should be 50 Kg's per batch
DHAlicious Milkshake	<ul style="list-style-type: none"> • Contains Veg DHA • Different Flavors 	<ul style="list-style-type: none"> • Chocolate • Strawberry • Butterscotch • Pista 	-	<ul style="list-style-type: none"> • Serving can be customized • Maximum 100 mg DHA can be loaded per serving • Pre mix solution available to be blended with your milkshake products
Mindmax DHA Premix (Powder/Solution)				<ul style="list-style-type: none"> • 100 g of premix powder can be mixed with 1 Kg of dough mixing powder for cookies preparation • 100 g of premix powder can be blended with 1 Kg of dry ingredients of chocolate preparation • 50 ml of premix solution can be added with 1 L milkshake before pasteurization process to achieve a desire concentration



Prialg DHA Liposomal solution for ease of fortification in milk products





Prialg DHA Liposomal Solution

DHA liposomal solution contains:

Prialg DHA oil, Emulsifier (E322), Humectant (INS 422), Antioxidant (INS 307) and buffering agent (INS 340)

Physiochemical Properties:

Appearance : Milky white solution

Phase : liquid

pH : near to neutral (pH – 7.2)

Odor : Characteristic Odor

Miscibility : Uniformly miscible with milk based products



Usage Direction of Prialg DHA Liposomal Solution

Boost your favorite milkshakes and milk-based products with our DHA premix solution!

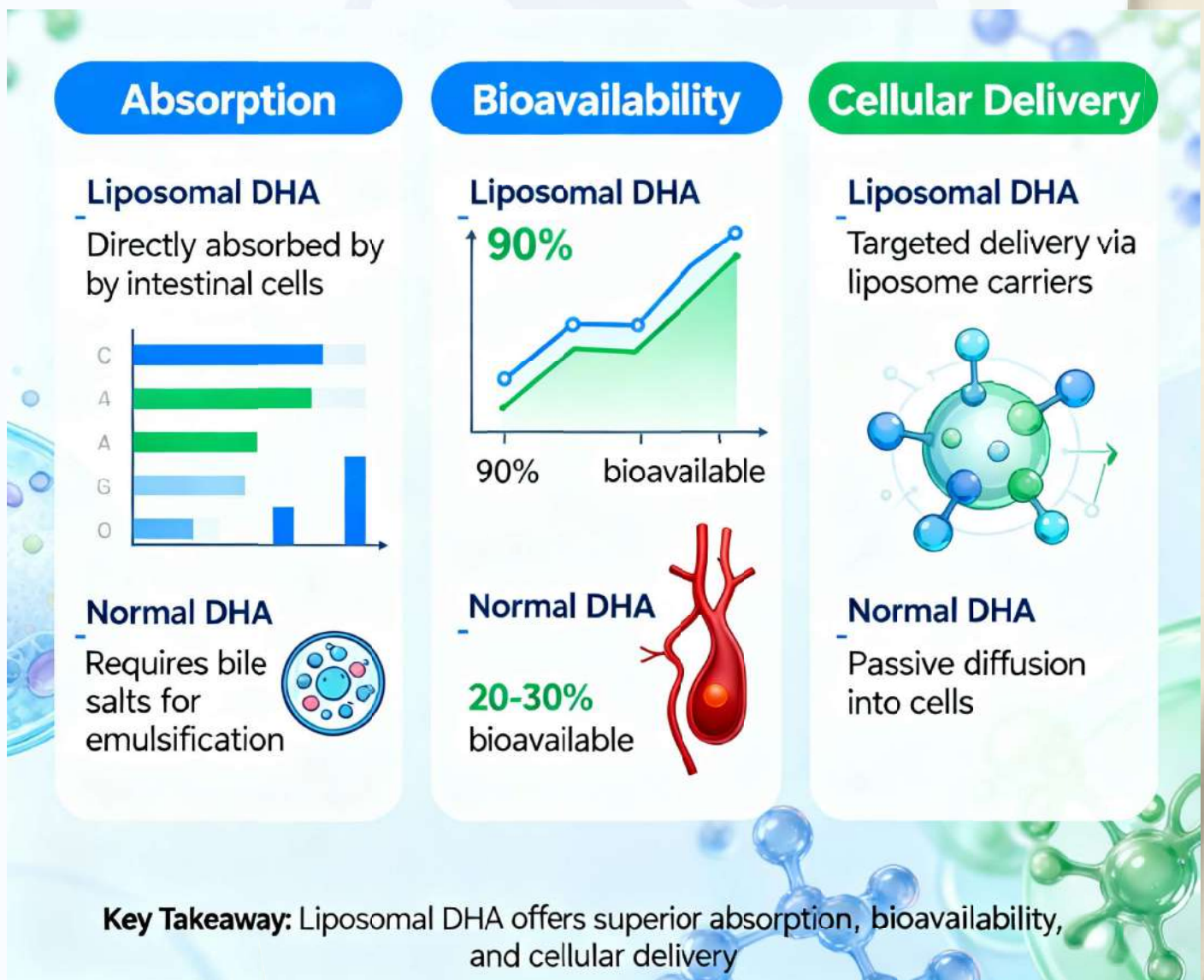
Simply cut open the 5 ml sachet and blend it with 200ml of milkshake for a nutritious treat.

Each serving (5 ml) provides:

- 30 mg of DHA (omega 3 fatty acid)
- 85 mg of Phosphatidylcholine

“Easy to use and packed with benefits, our DHA liposomal premix is the perfect addition to your daily routine!”

Advantages of Prialg DHA Liposomal Solution





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**Innovative Oral Formulations for
Neuronal Health**

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Innovative Oral formulations for Neurological Health

Our cutting-edge oral formulation combines DHA (docosahexaenoic acid) and other ingredients to support overall health, with benefits extending to :

- **Neurological Health:** Enhance cognitive function, support brain health, and promote neuronal integrity.
- **Cardiovascular Health:** Support heart health and reduce inflammation.
- **Elderly Care:** Address age-related health concerns, promoting overall wellness and quality of life.

These formulations are specifically designed to support neurological health in older adults, addressing the unique needs of the geriatric population.

Current Research and Development

We're actively engaged in formulating and developing cutting-edge:

- **Suspensions:** Incorporating omega-3 fatty acids for enhanced neurological support.
- **Liposomes:** Utilizing phosphatidylcholine to enhance bioavailability and efficacy.
- **Nanoemulsions:** Combining omega-3 fatty acids and carotenoids for targeted nutritional benefits.

Our innovative approach aims to provide effective solutions for neurological health, leveraging the potential of omega-3 fatty acids and other key ingredients.

Product Name	Product Specification	Product Description
DHA suspension	<ul style="list-style-type: none"> • 200 mg DHA/ 5 ml dosage • Low GI DHA suspension 	<p>Think well™ DHA suspension & capsule is a high-purity, omega-3 dietary supplement, derived sustainably from marine microalgae.</p> <p>Specially formulated for optimal absorption, this ready-to-use suspension delivers essential Docosahexaenoic Acid (DHA) in a convenient liquid format— ideal for persons of all ages infants, children, adults, and seniors who require or prefer non-animal omega-3 sources.</p>
DHA capsule	<ul style="list-style-type: none"> • DHA concentration (100 mg to 200 mg per capsule) 	<p>Low GI Suspension is formulated without high GI carriers for diabetic patients and pregnant women and individuals managing metabolic conditions</p> <p>Health Benefits:</p> <ul style="list-style-type: none"> • Supports brain and cognitive development • Promotes heart and eye health • Ideal for prenatal, postnatal, and pediatric nutrition
DHA suspension PC plus	<ul style="list-style-type: none"> • DHA concentration (100 mg to 200 mg) • Phosphatidylcholine concentration (20 mg to 50 mg) 	<p>Think well™ PC+ suspension & capsule is a scientifically formulated, high performance liquid supplement designed to deliver enhanced omega-3 absorption and cellular utilization.</p> <p>The suspension combines vegan DHA derived from marine microalgae with a bio-functional phospholipid that facilitates efficient cell membrane transport of DHA, ensuring faster absorption and greater utilization in target tissues</p>
DHA with PC capsule	<ul style="list-style-type: none"> • DHA concentration (100 mg to 200 mg per capsule) • Phosphatidylcholine concentration (20 mg to 50 mg per capsule) 	<p>Health Benefits:</p> <ul style="list-style-type: none"> • Supports brain and cognitive development • Promotes heart and eye health • Ideal for prenatal, postnatal, and pediatric nutrition • Enhanced Bioabsorption via PC-Phospholipid Pathway

DHA with PC

(Docosahexaenoic acid)

(Phosphatidylcholine)

Unlocking Brain Health with DHA and Phosphatidylcholine:

Combining DHA (docosahexaenoic acid) with phosphatidylcholine creates a powerful synergy that enhances the benefits of both for brain health.

Key advantages include:

1. Enhanced Bioavailability:

DHA-enriched phosphatidylcholine (DHA-PC) is more effectively absorbed and utilized by the brain.

2. Improved Cognitive Function:

Studies suggest DHA-PC may lead to better cognitive performance and emotional well-being.

3. Brain Health Support:

This combination provides essential building blocks for neuronal membranes and promotes healthy cell signalling.

4. Dementia Prevention Potential:

Higher levels of phosphatidylcholine-bound DHA have been linked to a reduced risk of dementia and Alzheimer's disease.

5. Synergistic Effects:

DHA and choline work together to support brain development and function. This potent combination may offer a valuable approach to supporting brain health and cognitive function.

This potent combination may offer a valuable approach to supporting brain health and cognitive function.