

Enclosure IV: RWNLF. Products with FSAAI license.

The brochure cover features a central diamond-shaped diagram with three interlocking gears: a blue gear labeled 'Idea Innovation', a green gear labeled 'Validation', and a yellow gear labeled 'Commercialization'. Arrows indicate a clockwise flow between the gears. The text 'Science For Society' is positioned above the gears. To the left of the diagram, the text reads 'Goal: Bring Back omega-3 Fatty acid into food chain'. To the right, it says 'Vision: Healthy Wealthy and Wise India'. Below the diagram, the text reads 'Mission: Omega-3 Nutritional Security in the country'. The top right corner contains the RWNLF logo, which consists of a stylized flame icon and the text 'rwnlf FOUNDATION PRODUCT BROCHURE'. The bottom right corner features a cluster of blue flowers. The background is a light beige color with a geometric pattern of brown and white triangles. Three images are integrated into the design: a wooden bowl of flaxseeds in the top left, a glass of flaxseed oil and a pile of flaxseeds in the bottom left, and a glass of flaxseed oil and a bowl of flaxseeds in the bottom right.

RWNLF is not for profit company formed to validate and market the innovative products developed by Center for Innovation in Nutrition Health Disease, Bharati Vidyapeeth (Deemed to be University) for commercial exploitation. For backward integration with farmers throughout India, BVDU has ICAR-Flaxseed Value Addition Center

Flaxseed Oil



Product Description

ALVEL, vegetarian, virgin, omega-3 oil, is cold press extracted (from high omega, PKV.NL. 260 variety) and sealed under nitrogen ensure very high purity, is free from pesticides and also from naturally present anti nutrients, in flax seed (antivitamin B₆, lignan, cyanogen glycoside etc.). Natural vitamin E, is added for its stability and better utilization in human body and contains no preservative. Flaxseed oil contains 55-57% primary essential omega-3 fatty acid, alpha linolenic acid (ALA).

तुळ्यात उच्चतरात

Brand Name: ALVEL
Quantity: 100 ml
Food Source: Vegetarian
FSSAI No: **11513035008126**

Product Code: FO101
Type: Dietary Supplement
Shelf life: 18 months

Unique features:

ALA is the only form of omega-3 fatty acid available from vegetarian source. ALA is the essential fatty acid that can't be made in, human body and from ALA, more physiologically potent forms Eicosapentaenoic acid (EPA) and Docosahexaenoic acid (DHA), can be made in human body. ALA has the unique power of lowering the inflammatory action of linoleic acid (LA) by competing with LA. Therefore, ALA is more likely to be more effective in balancing the present skewed omega 6: omega-3 ratio, responsible for rise in diabetes, heart and lung disease, cancer, by lowering the dominance of highly inflammatory pathway in man today.

Application:

ALVEL Omega 3 oil can be used for Salad Dressings, Chapattis, Dal, Rice, Mayonnaise, Sauce, Curds, and Milkshakes etc. Not to be used for cooking /frying purpose.

Nutritional Facts

ALVEL Flax seed oil has 55-57% omega-3 fatty acid almost double than of fish oil. Further, it has 3-4 times higher levels of omega-3 than omega-6 fatty acid and therefore endowed with better ability to balance skewed omega-6 -omega-3, to lower inflammation and prevent chronic degenerative diseases.

Flax Seed Oil Soft-gel



Product Description:



VELMEGA Softgel is easy to consume, easy to carry flax oil in soft gel form, and it has all the goodness of a vegetarian omega-3 oil. With vitamin E, it is protected from oxidation within the soft gel and also ensures better utility in human body. 2 capsules per day, provides over 1 g of alpha-linolenic acid (ALA).

Unique Features:



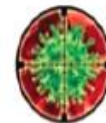
Fights Depression and Anxiety



Improves Eye Health



Supports Heart Health



Prevents Cancer



Improves Sleep

Fights Inflammation



Improves Bone and Joint Health



Promotes Brain Health during Pregnancy

Product Specifications:

Brand Name: VELMEGA

Quantity: 30 x 1000 mg

Food Source: Vegetarian

FSSAI No: **GA/505**

Product Code: FC101

Type: Dietary Supplement

Shelf life: 24 months

Application/Dosage Guidelines:

1 to 2 capsules per day.

Nutritional fact:

Modern human diet, is very deficient in the essential omega-3 fatty acid. The two capsules of VELMEGA soft gel is must for all vegetarians to remain in good health and reap the health benefits of omega-3 fatty acid

Omega-3 Rich Flaxseed Oil Emulsion



Product Description



ALVEL omega-3 rich flaxseed oil emulsion is a versatile, innovative, and proprietary, customized, **vegetarian omega-3 fortifier** that is fully miscible with water and can enrich any food product with omega-3 fatty acid (ALA). Available in Customized bulk pack for **B to B** to any food industry for omega-3 fortification and also **B to C** for enriching milk and other food products like ice-cream curd, yoghurt at home (available in different flavors).

Product Specifications:

Brand Name: ALVEL

Quantity: 100 ml

Food Source: Vegetarian

FSSAI No: **11516035000506**

Product Code: FO101

Type: Dietary Supplement

Shelf life: 12 months

Omega-3 Content: **150 mg/ml**

Unique features:

Well researched stabilized, tailor made, omega-3 fatty acid emulsion that can be used in fortification of other food products besides chocolates, sweets, jam, bakery products and dairy products like milk, curd, yoghurt, ice-cream etc. The product is ideal for fortifying milk with excellent palatability and still retaining vegetarian characteristic. The product can be customized to contain other essential and phyto-nutrients to meet specific health condition.

Unlike soft gel, wherein gelatin obtained from animal source is used for encapsulation, omega-3 in emulsion form is directly palatable and truly **VEGETARIAN**.

Nutritional Facts:

Omega-3 fatty acid, is resourced from special flax seed (high omega, pesticide free, and gluten free, PKV. NL. 260 variety). Flax oil used is cold press extracted under nitrogen and is stabilized in emulsion along with vitamin E. Emulsion can be customized to contain both water soluble and fat soluble vitamins, essential minerals and herbal medicines.

ALVEL Omega-3 Eggs



Product Description:

Layer chicks fed on **ALVEL omega-3 enriched feed mix (EFM)** lay eggs with over 250 mg of omega-3 (ALA+DHA) per egg, they retain all the goodness of regular egg, high amount of good protein and vitamins and are healthier because they have lower amounts cholesterol, triglycerides and omega-6 fatty acids along

with very high amount of omega-3 fatty acid.

Product Specifications:

Brand Name: ALVEL

Quantity: 6 eggs/tray

Food Source: Non-Vegetarian

FSSAI No: **11513035010364**

Product Code: OE101

Type: Dietary Supplement

Shelf life: 21 days

Health Benefits:

High amount of omega-3 in Omega-3 egg transforms fat in egg yolk into a healthy fat and vitamin E in the egg gets doubled. The cholesterol in the egg is significantly reduced. Most importantly high amount of omega-3 fatty acids in the yolk has the power of reducing both cholesterol and triglyceride. Omega-6: omega-3 ratio gets significantly reduced and high omega-3 fatty acid that lowers inflammatory pathway, is known to lower the risk of diabetes, heart disease, cancer, blood pressure, pregnancy complications, mental illness etc.

Unique features

Egg is not cheap but not costly either. With lowered cholesterol, triglycerides and saturated fat. Besides omega-3 worth the price of the egg, egg is not costly. With no eggy smell it tastes better.

Nutritional facts:

With over 250 mg omega-3 fatty acids and increased Vitamin E, with lowered saturated fat, triglycerides and cholesterol, egg is truly healthy

ALVEL Omega-3 Chocolates



Product Descriptions:

Alvel Omega-3 chocolate is enriched with vegetarian omega-3 fatty acids and is tasty delicious alternative to pills and joy for the children and adult alike for memory and brain health

Product Specifications:

Brand Name: ALVEL
Quantity: 21 chocolates/pack
Food Source: Vegetarian
FSSAI No: **11517035001239**

Product Code: OC101
Type: Dietary Supplement
Shelf life: 12 months

Omega-3 Health Benefits:

- Supports heart health;
- Regulates blood glucose;
- Maintains healthy triglyceride, cholesterol;
- Beneficial for bone and joint health;
- Improves immunity;
- Important for eye health and normal vision;
- Brain food which control s mood;
- A must for mother and child health; protects and maintains healthy skin

Nutritional Facts:

Each 10g bite provides 200 mg omega-3 fatty acid

ALVEL Flax Omega 3 Flour Pre mix



Product Description:

ALVEL Flax Omega 3 Pre mix has very low carbohydrate, very high both soluble and insoluble fibers, and good amount of good protein as well as omega-3 fatty acid. Hence 10% mixing of ALVEL Flax Omega 3 flour Pre mix with wheat flour / Atta will make it healthier. We have also observed that the food

products (such as roti, chapatti, and bread) made by fortified premix are equally tasty.

Product Specifications:

Brand Name: ALVEL

Quantity: 1000 gm

Food Source: Vegetarian

FSSAI No: **11513035010364**

Product Code: FS 501

Type: Dietary Supplement

Shelf life: 6 Months

Health Benefits of the flour after mixing

Increase in Fiber Content for better digestibility and lowered cholesterol absorption; Known to reduce the risk of developing heart disease, diabetes. Helps to prevent constipation; Substantial decrease in carbohydrate lowered calorie intake; Increase in good quality protein and good fat; Enrichment with Omega 3 fatty acid

Application:

By just 10% mixing of ALVEL Flax Omega 3 Pre mix with regular wheat flour (which is high in carbohydrate, very low in fiber and protein) can be transform into low carbohydrate, high fiber, high protein, Healthy ATTA along with very vital omega-3 fat.

ALVEL Enriched Feed Mix (EFM)



Product Description:

ALVEL EFM is for the production of Omega 3 enriched eggs. When layer birds' regular feed is supplemented with our proprietary ALVEL EFM, & dispensed as per our protocol then birds lay Omega 3 enriched eggs. 5part of EFM to be mixed with 95 parts of regular poultry feed and the mixture to be fed to layer birds. After 15days (approx.), the eggs so produced will have minimum 250 mg of Omega 3 fatty acids per egg. The proprietary ALVEL EFM is formulated using the Linseed and Linseed cake (after cold press extraction of Linseed oil) and other health supplements which helps to produce best quality Omega 3 enriched eggs.

Product Specifications:

Brand Name: ALVEL

Quantity: 40 kg

Food Source: Vegetarian

Product Code: EF 101

Type: Poultry Feed Mix

Shelf life: 3 Months

Unique features:

The technology is created to bring back Omega 3 fatty acids into food chain. The technology is a step towards Omega 3 nutritional security in the country. It can be an instrumental for poverty alleviation in rural setting. Omega3 eggs would boost consumer health. It will be instrumental to "Bring Back omega-3 Fatty acids" into food chain.

ALVEL EFM makes the egg healthier and heart friendly in addition it improves health of layer birds and reduces morbidity and mortality adding profit to poultry owner. Thus use of ALVEL EFM for production of omega 3 eggs , is a profitable and commercially viable proposition. Its' commercial viability, will boost poultry industry, and can generate lots of employment and revive Linseed agriculture.

Nutritional Facts:

The technology provides over 250 mg of omega 3 per egg (ALA+DHA). Omega 3 in these eggs is more bio-available and more affordable as it comes along with high bio-value protein, vitamins, and minerals.