



Natunola® Omega-3 Flax 50

Product Description

Natunola® Omega-3 Flax 50 is a cost effective ingredient that may allow manufacturers to make health claims such as 'source of omega-3'. This ingredient also contains a generous amount of soluble and insoluble fiber which may also lead to a claim such as 'source of fiber'.

Natunola® Omega-3 Flax 50 is made up of 50% flaxseed kernel. The remainder of this product is made up of flaxseed hull and whole seed. Using our patented shelling process to open the seed, the seed's natural oils are not disturbed, allowing the product to be shelf stable but also digestible within the body.

This ingredient is non-GMO, gluten free, and safe for most individuals with severe nut allergies. It can be used to increase both fiber and omega-3 content, two characteristics that are extremely desirable in today's health food industry.

Flaxseed Benefits

Flaxseed is a rich source of the essential fatty acid alpha-linolenic acid (ALA) which is found within the seed's inner meat, also known as the kernel. Flaxseed is also a rich source of fiber and lignans which are found within the seed's outer shell, also known as the hull. Overall, flaxseed use is well known for its positive health benefits and has been linked to: decreased risk of cardiovascular disease, decreased risk of developing hormone associated cancers, improved immune function, and protection against type II diabetes.



Product Application

Natunola® Omega-3 Flax 50 can be used in a number of applications and is a novel ingredient in prepared foods such as:

Muffins Breads Cookies Crackers Bars (snack, energy, etc) Cereals Snack Foods

Product Specifications

Appearance:	50% yellow kernel, 50% brown hull and seed
Texture:	Coarse seed
Oil Content:	Average 35%
Protein Content:	Average 20%
Moisture Content:	Maximum 10%
Usage Level:	5 – 100% (wt/wt)
Baking Stability:	Up to 350°C for up to 2 hours with minimal nutritional loss
Shelf Life:	1 Year
Pack Size:	25 kg bag (40 bags per pallet)
Storage:	Recommended storage temperature below 20°C To extend shelf life keep in a cool place away from sunlight.

Typical Nutritional Profile

Nutritional Analysis (g/100g)*	
Energy (Cal/100g)	600
Energy (kJ/100g)	2511
Fat (including Omega-3)	44.6
Omega-3	25.9
Omega-6	5.8
Carbohydrate (including fiber)	28.0
Protein	22.7
Ash	3.2
Moisture	1.5

*Batch analysis only – variances may occur within crops which may cause deviations from these values.

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