



Omega-3

Nutritional Supplement

NUTRIDAN POWDERS

FIRST TIME EVER,
NON-OXIDIZED
POWDERS

International Food Science Centre A/S

Nutridan Omega-3 Oil

Internally Stabilized

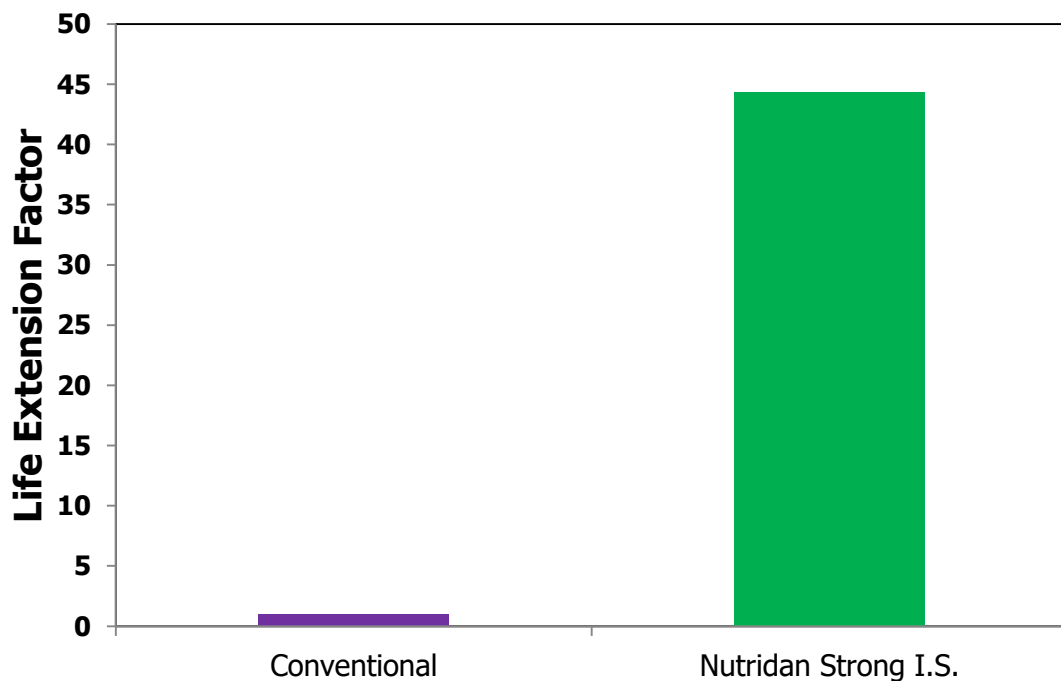
Nutridan Omega-3 is a vegetable oil with 40% omega-3 fatty acids, which are essential to our body, as they are the building blocks for cell membranes and nerves, as well as the raw material for anti-inflammatory prostaglandins (hormones).

It has been developed using our unique **Internally Stabilization (I.S.)** technology, which makes all vegetable oils and butters highly resistant to oxidation and general degradation.

This methodology stabilizes the oils and butters internally, using the natural antioxidant properties of rosemary.



Nutridan Omega-3 Oil Internally Stabilized



By using our unique Internal Stabilization (I.S.) technology, we can extend the lifespan of any oil. The Nutridan Strong Oil is Internally Stabilized and has an oxidative lifespan that is 44 times longer than the conventional non-stabilized oil

Nutridan Omega-3 Oil

Omega-3 fatty acids have well-documented preventive and curative effects on the health, such as:

- ✓ Lowers cholesterol
- ✓ Reduces and prevents arteriosclerosis
- ✓ Lowers blood pressure
- ✓ Protects against osteoporosis and arthritis
- ✓ Relieves dermatitis, eczema and rashes
- ✓ Protects against diabetes
- ✓ Relieves psychological disorders, such as depression, ADHD
- ✓ Increases concentration and decreases aggression

Nutridan Powders

Applications

Now, IFSC has produced powders from our Nutridan Strong oil that can be used in applications such as:

- ✓ Tablets and Capsules
- ✓ Energy Drinks
- ✓ Protein Drinks
- ✓ Juices
- ✓ Baby Food
- ✓ Dairy Products
- ✓ Bakery
- ✓ Snack Foods
- ✓ Pet Food



Nutridan Omega-3 Powders

The powder has a high content of omega-3 fatty acids and has the potential to introduce this in products where it was not possible before, as all other powders in the market are highly oxidized.

Utilizing our unique Internal Stabilization technology, we can extend the shelf life of any oil manifold. This, together with a special low temperature powder conversion technology, allows us to convert any oil into powder containing unaltered and non-oxidized oil.

**Avoid eating oxidized fats
like a rotten apple**



**Choose Nutridan Omega-3, which
is like an intact apple**



Nutridan Omega-3 Powders

Nutridan Omega-3 Powders can be consumed by everyone:

- ✓ Vegetable origins, acceptable to vegetarians and individuals allergic to fish
- ✓ Non GMO
- ✓ No cholesterol
- ✓ No fishy flavor

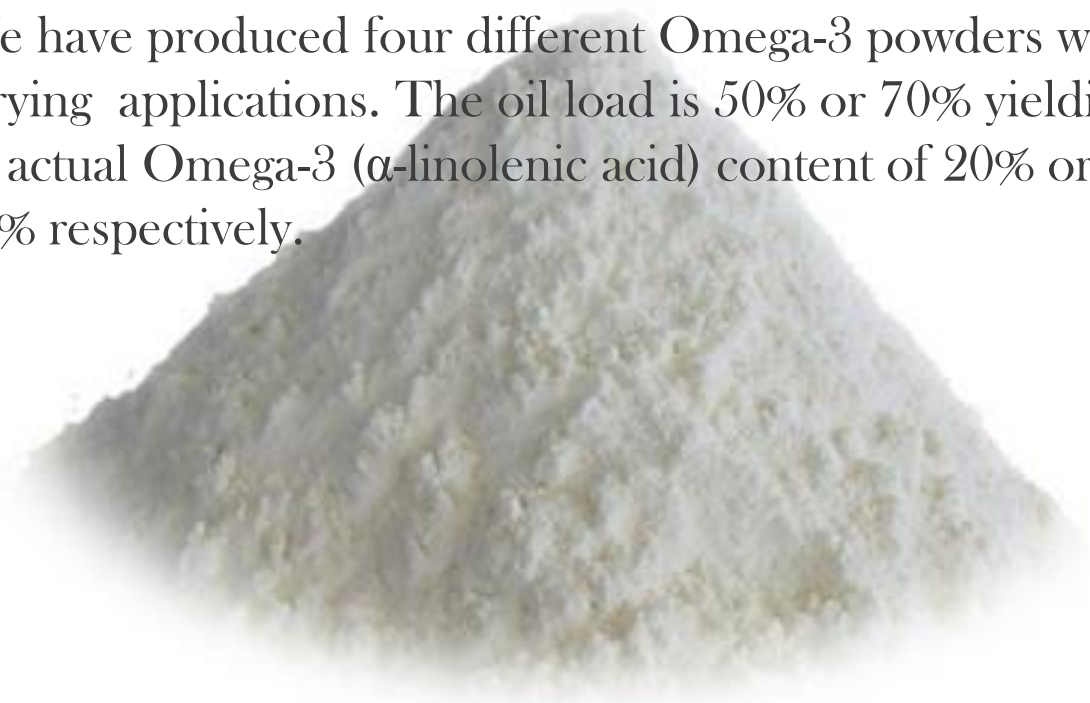


Nutridan Omega-3 Powders

The powders are produced using what is called a loading matrix (this matrix can be a carbohydrate, protein or other material).

The oil is loaded onto the matrix at the levels of 50% and 70% (e.g. if the end product contains 70% oil, we say that the load is 70% - the remaining 30% is the loading matrix).

We have produced four different Omega-3 powders with varying applications. The oil load is 50% or 70% yielding an actual Omega-3 (α -linolenic acid) content of 20% or 28% respectively.



Nutrigan Omega-3 Powders

- ✓ Nutrigan Omega-3 C50 Powder
50% load of the oil
- ✓ Nutrigan Omega-3 C70 Powder
70% load of the oil
- ✓ Nutrigan Omega-3 G70 Powder
70% load of the oil
- ✓ Nutrigan Omega-3 H70 Powder
70% load of the oil in a matrix of whey protein.

No GMO - No Cholesterol - No Fishy Flavor

Nutridan Omega-3 C50 Powder

- ✓ For tablet/capsule formulation and dairy products
- ✓ Contains approx. 40 % Omega-3 fatty acids oil
- ✓ The load (50% oil in powder) and high omega-3 content of oil (40%), provides a unique powder formulation with 20% Omega-3
- ✓ This, combined with our unique Internal Stabilization technology, ensures a product that will stay fresh for extended periods of time
- ✓ The vegetable origin makes Nutridan Omega-3 C50 Powder acceptable to vegetarians and individuals allergic to fish
- ✓ Reduced oil load for increased powder flowability
- ✓ Packaging: 25 kg bags or bigger
- ✓ Shelf Life: Min. 12 months, if stored in original package in a cool, dry and odor free area.

Nutridan Omega-3 C50 Powder

INCI Name:

Brassica Campetris
Linum Usitatissimum
Maltodextrin
Silicon

CAS No.:

8002-13-9
8001-26-1
9050-36-6
7440-21-3

Physical and Chemical Properties

Appearance:	Free flowing white/off white powder
Content of oil:	50%
Carrier content:	50%
Content of Omega-3	20% (α -linolenic acid)

Specifications of the Oil

% Free Fatty Acids	0.50 % max. ex works (as Oleic Acid)
Peroxide value (meq/kg):	1.0 max. ex works
Typical fatty acid composition (%):	
C16:0	5.2
C18:0	3.4
C18:1 omega-9	33.3
C18:2 omega-6	16.3
C18:3 omega-3	39.6
Omega-6/Omega-3:	0.42
Total monounsaturated fatty acids:	Min 30%
Total omega-3 fatty acids:	38-45%
Omega-6/Omega-3 fatty acids:	Max. 0.6
Trans fatty acids:	Max. 1%

Nutridan Omega-3 C70 Powder

- ✓ For tablet and capsule formulation and dairy products
- ✓ Contains approx. 40 % Omega-3 fatty acids oil
- ✓ The load (70% oil in powder) and high omega-3 content of oil (40%), provides a unique powder formulation with 28% Omega-3
- ✓ This, combined with our unique Internal Stabilization technology, ensures a product that will stay fresh for extended periods of time
- ✓ The vegetable origin makes Nutridan Omega-3 C70 Powder acceptable to vegetarians and individuals allergic to fish
- ✓ Dispersible in water
- ✓ Packaging: 25 kg bags or bigger
- ✓ Shelf Life: Min. 12 months, if stored in original package in a cool, dry and odor free area.

Nutridan Omega-3 C70 Powder

INCI Name:

Brassica Campetris
Linum Usitatissimum
Maltodextrin
Silicon

CAS No.:

8002-13-9
8001-26-1
9050-36-6
7440-21-3

Physical and Chemical Properties

Appearance: Free flowing white/off white powder
Content of oil: 70%
Content of Omega-3: 28% (α -linolenic acid)

Specifications of the oil

% Free Fatty Acids (as Oleic Acid): 0.50 % max. ex works
Peroxide value (meq/kg): 1.0 max. ex works
Typical fatty acid composition (%):
C16:0 5.2
C18:0 3.4
C18:1 omega-9 33.3
C18:2 omega-6 16.3
C18:3 omega-3 39.6
Omega-6/Omega-3: 0.42
Total monounsaturated fatty acids: Min 30%
Total omega-3 fatty acids: 38-45%
Omega-6/Omega-3 fatty acids: Max. 0.6
Trans fatty acids: Max. 1%

Nutridan Omega-3 G70 Powder

- ✓ For drinks applications
- ✓ Contains approx. 40 % Omega-3 fatty acid oil
- ✓ The load (70% oil in powder) and high omega-3 content of oil (40%), provides a unique powder formulation with 28% Omega-3
- ✓ This, combined with our unique Internal Stabilization technology, ensures a product that will stay fresh for extended periods of time
- ✓ The vegetable origin makes Nutridan Omega-3 G70 Powder acceptable to vegetarians and individuals allergic to fish
- ✓ Dispersible in water
- ✓ Packaging: 25 kg bags or bigger
- ✓ Shelf Life: Min. 12 months, if stored in original package in a cool, dry and odor free area.

Nutridan Omega-3 G70 Powder

INCI Name:

Brassica Campetris
Linum Usitatissimum
Maltodextrin
Silicon

CAS No.:

8002-13-9
8001-26-1
9050-36-6
7440-21-3

Physical and Chemical Properties

Appearance:	Free flowing white/off white powder
Content of oil:	70%
Carrier content:	30 %
Content of Omega-3:	28% (α -linolenic acid)

Specifications of the oil

% Free Fatty Acids (as Oleic Acid):	0.50 % max. ex works
Peroxide value (meq/kg):	1.0 max. ex works
Typical fatty acid composition (%):	
	C16:0 5.2
	C18:0 3.4
	C18:1 omega-9 33.3
	C18:2 omega-6 16.3
	C18:3 omega-3 39.6
Omega-6/Omega-3:	0.42
Total monounsaturated fatty acids:	Min 30%
Total omega-3 fatty acids:	38-45%
Omega-6/Omega-3 fatty acids:	Max. 0.6
Trans fatty acids:	Max. 1%

Nutridan Omega-3 H70 Powder

- ✓ For high fat, low carbohydrate drink applications
- ✓ Contains approx. 40 % Omega-3 fatty acid in a matrix of whey protein.
- ✓ The load (70% oil in powder) and high omega-3 content of oil (40%), provides a unique powder formulation with 28% Omega-3
- ✓ This, combined with our unique Internal Stabilization technology, ensures a product that will stay fresh for extended periods of time
- ✓ The vegetable origin makes Nutridan Omega-3 H70 Powder acceptable to vegetarians and individuals allergic to fish
- ✓ Dispersible in water
- ✓ Packaging: 25 kg bags or bigger
- ✓ Shelf Life: Min. 12 months, if stored in original package in a cool, dry and odor free area.

Nutridan Omega-3 H70 Powder

INCI Name:

Brassica Campetris
Linum Usitatissimum
Lactis Serum Proteinum

CAS No.:

8002-13-9
8001-26-1
91082-88-1

Physical and Chemical Properties

Appearance:	Free flowing white/off white powder
Content of oil:	70%
Carrier content:	30%
Content of Omega-3:	28% (α -linolenic acid)

Specifications of the oil

% Free Fatty Acids (as Oleic Acid):	0.50 % max. ex works
Peroxide value (meq/kg):	1.0 max. ex works
Typical fatty acid composition (%):	
	C16:0 5.2
	C18:0 3.4
	C18:1 omega-9 33.3
	C18:2 omega-6 16.3
	C18:3 omega-3 39.6
Omega-6/Omega-3:	0.42
Total monounsaturated fatty acids:	Min 30%
Total omega-3 fatty acids:	38-45%
Omega-6/Omega-3 fatty acids:	Max. 0.6
Trans fatty acids:	Max. 1%

