

Data Sheet

Nutridan Omega-3 H70 Powder

For high fat, low carbohydrate drinks applications

International Food Science Centre A/S

Cedervej 7 • DK-8462 Harlev J • Tel +45 86 22 99 86 • info@ifsc.dk • www.ifsc.dk • Vat. No. DK13001480

Product Description

Nutridan Omega-3 H70 Powder contains a vegetable oil with 40% omega-3 fatty acids in a matrix (carrier) of whey protein. Nutridan Omega-3 H70 Powder is particularly suitable for enriching **drink mixes** with Omega-3. The high load (70% oil in powder) and high omega-3 content of oil (40%) provides a unique **powder formulation with 28% Omega-3**. The use of a special oil-to-powder conversion process has allowed us to produce a powder containing intact oil. This combined with our unique **Internal Stabilization** technology ensures a product that will stay fresh for extended periods of time. Nutridan Omega-3 H70 is a white to off-white powder and is dispersible in aqueous solutions. The **vegetable origin** makes Nutridan Omega-3 H70 Powder acceptable to vegetarians and individuals allergic to fish.

Special features of Nutridan Omega-3 H70 Powder

- Vegetable omega-3
- No carbohydrates
- Dispersable in water
- Non-GMO
- No cholesterol
- No fishy flavor

Product Code, INCI Name and CAS No.

IFSC product code: 607003

INCI Name:	CAS no.:	EINICS no.:
Brassica Campetris Seed Oil	90889-79-0/8002-13-9	232-299-0/292-737-1
Linum Usitatissimum Seed Oil	8001-26-1	232-278-6
Lactis Serum Proteinum	91082-88-1	293-803-2

Recommended serving

The recommended serving is 0.5 g powder per 100 ml water.

Physical and chemical properties

Appearance:	Free flowing white/off white powder
Oil content:	70%
Carrier content:	30%
Content of Omega-3 (α -linolenic acid):	28%
Bulk density:	0.35 – 0.65 g/ml
Particle Size:	> 60% thru 20 mesh

OUR QUALITY - YOUR STRENGTH

To the best of our knowledge the information contained herein is correct. However, no responsibility or liability for any consequences arising from its use can be accepted, including possible patent infringement or other rights belonging to another party. Users should make their own tests for their purposes.

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Nutrition pr. 100g

Energy:	3098 kJ / 750 kcal
Protein:	24 g
Carbohydrate:	1.5 g
Fat:	72 g

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%	

Method of analysis

AOCS Ca 5a-40
AOCS Cd 8-53
IUPAC 2.301 and 2.302
IUPAC 2.301 and 2.302
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Packaging and shelf life

Packaging:	25 kg bags or bigger on customer's requirements.
Shelf life:	24 months if stored in original package in a cool, dry and odor free area.

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