

Product Bulletin

Marinol[®] D-40 is concentrated natural fish oil with a high content of the omega-3 fatty acids Docosahexaenoic Acid (DHA) in glyceride form. Concentration is done by means of a gentle enzymatic process and molecular distillation.



Applications

- ✓ Dietary supplements
- ✓ Dairy products, e.g. (flavored) milk, yogurt and yogurt drinks
- ✓ Meal replacement shakes
- ✓ Nutritional products
- ✓ Beverages, juices
- ✓ Fats and oils, dressings, spreads

Typical Properties

Appearance at 25 °C	Liquid	EPA (C20:5), %*	8
Free Fatty Acid (% as Oleic)	0.4	mg/g**	60
Peroxide Value, meq/kg	1.0	DHA (C22:6), %*	45
Anisidine Value	12	mg/g**	340
TOTOX value	14	Ratio DHA:EPA	6:1
Moisture, %	0.02	ARA (C20:4), %*	3
Lovibond color, yellow, 1" cell	25	mg/g**	20
Lovibond color, red, 1" cell	3	Total Omega-3, %*	55
		mg/g**	430

* Values given in % are relative peak area in chromatogram

** Values given in mg/g are absolute amount of free fatty acid per g of glyceride oil

Nutrition Information (per 100 grams)

Calories from Fat, kcal	891	DHA (C22:6), g	34
Total Fat, g	99	ARA, C20:4), g.....	2
Saturated Fat, g	19	Protein, g	0
Monounsaturated Fat, g	15	Total Carbohydrate, g	0
Polyunsaturated Fat, g	66	Cholesterol, g	1
EPA (C20:5), g	6		

Antioxidants

Mixed Natural Tocopherols, mg/g 3

Concentration of mixed natural tocopherols may decrease over time during storage, due to antioxidant activity.

Ingredients

Concentrated fish oil, Antioxidant (mixed natural tocopherols)





Packaging

Marinol D-40 is packaged under nitrogen and is available in steel drums of 190 kg net or 15.85 kg jug-in-box.

Statements

Marinol D-40 is

- ✓ Food Grade.
- ✓ Produced following the principles of Food Safety Standards.
- ✓ Fully traceable from finished products to raw materials and vice versa.
- ✓ Non-GMO (Genetically Modified Organism). Not based on genetically modified raw materials and does not need to be labeled under GM labeling rules.
- ✓ Allergens: Fish (refined fish oil concentrate)
- ✓ Free from any irradiated or ionized components and has not been ionized or irradiated.
- ✓ Not subjected to risk from Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).
- ✓ Not mentioned in the World Anti-Doping Agency (WADA) prohibited substances list and is free from prohibited substances mentioned in the WADA list as of the publication date of this document.

Storage & Handling

Marinol D-40 is stable if stored in the unopened original packaging (under nitrogen) for at least 6 months from date of production at a temperature below 7 °C (44 °F), and for at least 24 months from date of production at a temperature of -18 °C (-0.4 °F). The product should be stored away from strong odors and direct sunlight. Before use, it may be necessary to carefully warm product at temperatures not to exceed 30 °C (86 °F) under a controlled, inert atmosphere with careful mixing until clear (homogeneous).

Normal safety precautions should be employed when handling Marinol D-40.

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