

Balanced in EPA and DHA

## Product Bulletin

**Marinol<sup>®</sup> C-38** is concentrated natural fish oil with a high content of the omega-3 fatty acids Eicosapentaenoic Acid (EPA) and 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), %* .....	23.5
Free Fatty Acid (% as Oleic) .....	0.2	mg/g** .....	210
Peroxide Value, meq/kg .....	1.0	DHA (C22:6), %* .....	16.5
Anisidine Value .....	5	mg/g** .....	150
TOTOX value .....	7	EPA+DHA, %* .....	40
Moisture, % .....	0.02	mg/g** .....	360
Lovibond color, yellow, 1" cell .....	10	Total Omega-3, %* .....	52
Lovibond color, red, 1" cell .....	2	mg/g** .....	480

\* 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	EPA (C20:5), g .....	23.5
Total Fat, g .....	99	DHA (C22:6), g .....	16.5
Saturated Fat, g .....	19	Protein, g .....	0
Monounsaturated Fat, g .....	14	Total Carbohydrate, g .....	0
Polyunsaturated Fat, g .....	66	Cholesterol, g .....	1

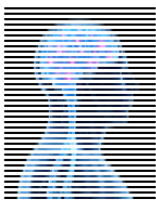
### Antioxidants

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 C-38 is packaged under nitrogen and is available in steel drums of 190 kg net or 15.85 kg jug-in-box.

## Statements

Marinol C-38 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 C-38 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 under a controlled, inert atmosphere with careful mixing until clear (homogeneous).

Normal safety precautions should be employed when handling Marinol C-38.

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