

## FANCOR<sup>®</sup> MEADOWFOAM SEED OIL

Non-animal Origin Skincare And Haircare Additive For Cosmetics And Toiletries

### GENERAL INFORMATION

**FANCOR MEADOWFOAM SEED OIL** is extracted from the seeds of the *Limnanthes Alba* (Meadowfoam) plant by a mechanic extrusion process and is refined afterward. It has a light yellow color and is practically odor free.

**FANCOR MEADOWFOAM SEED OIL** has a unique molecular structure not found in any other naturally occurring substance. **FANCOR MEADOWFOAM SEED OIL** contains approximately 95% fatty acids having chain lengths of 20-22 Carbon atoms. The typical fatty acid profile is as follows: C20:1(61%), C22:1(16%) and C22:2(18%). Most importantly, the unsaturated double bonds are located at the  $\Delta 5$  and  $\Delta 13$  position. Combination of lack of conjugated double bonds and carrying its natural antioxidant brings this oil extraordinary oxidative stability.

Furthermore, it is liquid at room temperature regardless its high molecular weight. It is effective against heat breakdown and is resistant to oxidation

### INCI NAME

Limnanthes Alba (Meadowfoam) Seed Oil

### CHEMICAL & PHYSICAL PROPERTIES

Appearance @ 25°C	Clear Yellow Liquid
Odor	None
Color (Gardner)	3 max.
Free Fatty Acid, % as oleic	0.05 max.
Cold Test, hours @ 7 °C	24 min.
Peroxide Value, meq/Kg	1.0 max.
Saponification Value	164-174
OSI, Hours @130 °C	Greater Than 10
Heavy Metals	10 ppm max.
Unsaponifiable Matter	1% max.
Specific Gravity @ 20 °C	0.90 - 0.92
Fatty Acid, C20:1 d5	58.0 – 64.0
Microbial Analysis	100 cfu/g max.

These are typical properties not to be used for specification purposes

### APPLICATIONS

- Lipstick and Makeup
- Shampoo
- Conditioner
- Hand Lotion
- Skin Cream
- Bath Products
- Styling Aids
- Ethnic Products

### KEY PROPERTIES

- Imparts good spreadability and richness
- Provides natural luster and emollient feeling to hair care products with substantivity
- Exhibits good pigment wetting
- Can be used as a binder in powder products
- Improves skin moisturization giving a cushion feeling to the skin

### INCORPORATION

**FANCOR MEADOWFOAM SEED OIL** can be added at any convenient stage in the manufacturing process.

Solubility	@ 25°C	@ 75°C
Castor Oil	Soluble (Clear Solution)	Soluble (Clear Solution)
Mineral Oil	Soluble (Clear Solution)	Soluble (Clear Solution)
Propylene Glycol	Insoluble	Insoluble
Glycerine	Slight	Slight
Ethyl Acetate	Soluble (Clear Solution)	Soluble (Clear Solution)
Ethyl Alcohol	Slight	Slight
Water	Insoluble	Insoluble
FANCORSIL <sup>®</sup> A	Slight	Soluble (Clear Solution)
Isopropyl Myristate	Soluble (Clear Solution)	Soluble (Clear Solution)

*continued...*

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## LEVELS OF USE

The level of use of the **FANCOR MEADOWFOAM SEED OIL** will depend on the formulation. Typical addition levels are 1-100%.

## HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

## STORAGE RECOMMENDATIONS

Keep container sealed and store at room temperature.

## SHELF LIFE

**FANCOR MEADOWFOAM SEED OIL** has a shelf life of 2 (two) years from date of manufacture.

## QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

## SUSTAINABILITY

**FANCOR MEADOWFOAM SEED OIL** is a raw material approved by Ecocert Greenlife in accordance with the ECOCERT standard for Natural and Organic Cosmetics.

**FANCOR MEADOWFOAM SEED OIL** is a raw material approved by Ecocert Greenlife in accordance with the COSMOS Standard.



**COSMOS  
APPROVED**

*NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.*

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