

Natunola® Flax ProExtract



In today's market consumers demand *The Best*, which entails effective products that are based in nature. **Natunola® Flax ProExtract** will allow you to provide nature's beauty to your customers. The many benefits of flaxseed are contained in **Natunola® Flax ProExtract**. This protein provides moisture binding properties that can compliment your formulas and address the demands of today's marketplace. **Natunola® Flax ProExtract** coats the skin epidermis or hair shaft, forming a barrier that protects against external pollutants and allergens while retaining natural oils and moisture. **Natunola® Flax ProExtract** with its moisturizing and conditioning properties is an excellent ingredient in cosmetic and hair care formulations.

Description:

Natunola® Flax ProExtract is produced from flaxseed using our proprietary processing technology. **Natunola® Flax ProExtract** is a new and superior vegetable based protein that provides the same attributes to cosmetic, skin, and hair care formulations as associated with other hydrolyzed proteins. **Natunola® Flax ProExtract** contains mainly the water soluble protein, is lighter in colour and has little to no odour, as compared to other hydrolyzed plant proteins such as hydrolyzed oat, soya and wheat proteins. The dermal hydration and moisturizing properties associated with this product results in its ubiquitous application in cosmetic formulations targeted for clearer complexions. **Natunola® Flax ProExtract** conditions while leaving a remarkable smooth, silky feel. Thus, it is a superior ingredient in cosmetic, skin care, hair care and personal care formulations.

Functionality:

Natunola® Flax ProExtract can be used as a skin conditioner, emollient, film former and viscosity controlling agent for aqueous systems.

Applications:

Natunola® Flax ProExtract promotes easy and unique opportunities for new formulations such as shampoo, conditioners, lotions, creams and gels, and includes liquid soap, conditioning shampoo, cleansers, baby creams, emollient creams, cold creams, conditioning creams and protective creams.

Proposed INCI Name: Water (and) Linum Usitatissimum (Linseed) Seed Extract

Specifications:

Appearance:	Light yellow liquid
Odour:	Very little to none
Bacteriological Data:	Total bacteria count (aerobic): <500 cfu/g (At the time of packaging) Yeast and mold: <500 cfu/g Gram negative bacilli: Negative Staphylococcus Aureus: Negative
Preservatives:	Dehydroacetic Acid and Benzyl Alcohol and Water, 0.6%
Compatibility:	Miscible in aqueous solutions
pH:	4.5 - 6.5
Non-Volatile Matter:	0.8% to 2.0%
Soluble Protein:	0.1% to 0.4%
Protein-Amino Nitrogen:	20% to 40%
Stability:	Stable at room temperature. Store in original container under 20°C. Do not freeze.
Recommended Usage Level:	Hair and body care: 1% to 15% (wt/wt) Skin care creams and lotions: 1% to 10% (wt/wt) Others: 1% to 99% (wt/wt)
Formulating pH:	The recommended pH range is 5.4 to 6.5.
Formulating Temperature:	The recommended working temperature range is 25°C to 75°C. The best working temperature is 50°C.

Specifications are based on information available at the time of printing. This information is provided in good faith and is subject to the following conditions: 1. Natunola makes no warranty of any kind concerning any product, formulation or procedure or other matter contained in the information including, without limitation, any warranty that the sale or use of any product, formulation or procedure will not infringe any patent or other third party right; 2. The user of the information will not provide it to third parties and will indemnify and hold Natunola harmless from any liability arising out of the recipient's use of the information. (March, 2010)



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