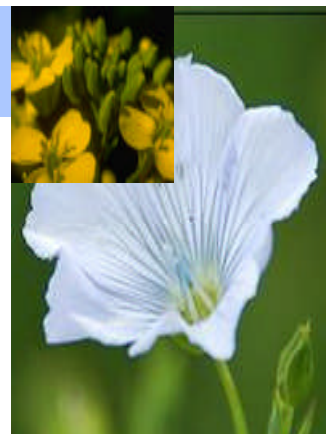


# Natunola® Omega-3 Oil Gel 310



The current trend in essential fatty acids (EFAs) has resulted in a rapid increase in products with “Omega-3 and Omega-6” labels entering the market place. This trend is here to stay as scientific research continues to document more and more health benefits associated with EFAs. For instance, deficiencies in EFAs are reported to result in changes in skin and hair natural barrier functions, loss of skin elasticity, increased dehydration, loss of hair shine and luster.

**Natunola® Omega-3 Oil Gel 310** offers cosmetic and hair care formulators the opportunity to tap into a trendy market using innovative ingredients with EFAs. **Natunola® Omega-3 Oil Gel 310** is an all natural botanical oil processed from non-transgenically modified flaxseed oil which contains the high Omega-3 fatty acid and Canola seed that is high in Omega-3 and Omega-6. This new **Natunola® Omega-3 Oil Gel 310** contains a natural plant antioxidant, rosemary extract, making it a stable product in its oil/gel form.

## **Description:**

**Natunola® Omega-3 Oil Gel 310**, is an excellent source of the essential fatty acid, Omega-3. Since research continues to report the benefits of EFAs for healthy skin and hair, **Natunola® Omega-3 Oil Gel 310** has become a popular source of this essential fatty acid. Derived from pure botanical sources **Natunola® Omega-3 Oil Gel 310** delivers the benefits of Omega-3 to hair and skin care formulations.

## **Functionality:**

**Natunola® Omega-3 Oil Gel 310** is an ideal ingredient in cosmetic formulations as it can be used as a skin conditioner, emollient, film former, viscosity controlling agent and a viscosity building agent for anhydrous systems.

## **Applications:**

**Natunola® Omega-3 Oil Gel 310** can be used in a wide array of applications such as, bath gel, hand soap, cleansers, anti-aging products, lip balm, lipstick, lip gloss, pomades, anhydrous liquid sunscreen gel, body and hand cream/lotion, moisturizing creams, conditioners and suntan products.

**Proposed INCI Name:** Linum Usitatissimum (Linseed) Seed Oil (and) Canola Oil (and) Silica (and) Rosemary Extract

## **Specifications:**

<b>Appearance:</b>	Clear, transparent, light yellow gel
<b>Odour:</b>	Light, characteristic flax oil odour
<b>Bacteriological Data:</b>	Total bacteria count (aerobic): <100 cfu/g (At the time of packaging)
<b>Solubility:</b>	Soluble in all vegetable oils, glycerol triisostearate, isostearyl isostearate, oleic acid, isostearic acid, coco-caprylate/caprate and mixed glycerides. Insoluble in water, absolute ethanol and 1,2-propanediol, dimethicone and cyclomethicone. Miscible in anhydrous solutions
<b>Omega-3 (ALA):</b>	9% to 12%
<b>pH (1:20 water emulsion):</b>	4.6 - 6.6
<b>Gardner Colour (1:10 in mixed glycerides):</b>	Maximum 3
<b>Stability:</b>	Stable at room temperature. Store in original container under 20°C.
<b>Recommended Usage Level:</b>	Skin care creams and lotions: 3 % to 10% (wt/wt) Others: 1% to 99% (wt/wt)
<b>Formulating pH:</b>	The recommended pH range is 3 to 8.
<b>Formulating Temperature:</b>	The recommended working temperature range is 25°C to 60°C. The best working temperature is 45°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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