



# Vegetatum® OMEGA-3 L

*Sustainable*

*Functional*

*Cost effective*

Vegetatum® vegetable gels are proven, functional alternatives to petrolatum in a variety of personal care formulations. They consist of a proprietary vegetable gel technology using natural ingredients.

Vegetatum® Omega-3 L leverages natural flax seed oil that is rich in Omega-3 fatty acids, a cutting-edge consumer trend that has been linked to many skin and hair benefits. This product is ideally suited to deliver Omega-3 flax oil in a low viscosity gel structure, which is proven to have enhanced stability when compared to flax seed oil alone (OSI 110°C of Vegetatum® Omega-3 L was tested at 9.9 hours, compared to OSI of Flax seed oil at 4.7 hours) .



<b>INCI Name</b>	Canola oil (and) Linum Usitatissimum (Linseed) Seed oil (and) Silica (and) Rosemary Extract
<b>Recommended Uses</b>	Mass market Haircare and Skincare products to deliver Omega-3 in a stable low viscosity gel format
<b>Recommended Usage Levels</b>	1 – 10%
<b>Pack Sizes Available</b>	21 kg pails or 195 kg drums

<b>Omega-3 content (ALA)</b>	7 – 12%
<b>Appearance</b>	Transparent, light yellow low viscosity gel (liquid)
<b>Odour</b>	Light, characteristic
<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, 1,2 propanediol, dimethicone
<b>Bacteriological Data</b>	Bacterial count (aerobic) <500 cfu/g
<b>pH (1:20 water emulsion)</b>	4.5 – 6.5
<b>Stability</b>	Store below 21°C in sealed containers. Shelf life is 1 year from ship date
<b>Formulating Recommendations</b>	Formulate at pH range of 3-8 and temperature range of 25°C - 60°C (45°C ideal)

Contact us for more information at:

Doreen VandenTillaart  
[flax@natunola.com](mailto:flax@natunola.com) ♦ 613-774-9998  
 Natunola Health Inc.  
 661 St. Lawrence Street, Winchester, ON K0C 2K0



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