



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) .



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

Omega-3 content (ALA)	7 – 12%
Appearance	Transparent, light yellow low viscosity liquid
Odour	Light, characteristic
Solubility	Soluble in all vegetable oils, glycerol triisostearate, isostearyl isostearate, oleic acid, isostearic acid, coco-caprylate/caprato and mixed glycerides. Insoluble in water, absolute ethanol, 1,2 propanediol, dimethicone
Bacteriological Data	Bacterial count (aerobic) <500 cfu/g
pH (1:20 water emulsion)	4.5 – 6.5
Stability	Store below 21°C in sealed containers. Mix well before using (may have trace of dark precipitate due to rosemary extract). Shelf life is 1 year from ship date
Formulating Recommendations	Formulate at pH range of 3-8 and temperature range of 25°C - 60°C



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