



Vegetatum® OMEGA-3

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 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 proprietary viscous gel structure, which is proven to have enhanced stability when compared to flax seed oil alone (OSI 110°C of Vegetatum® Omega-3 was tested at 15.4 hours, compared to OSI of Flax seed oil at 4.7 hours) .



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

Omega-3 content (ALA)	9 – 12%
Appearance	Transparent, light yellow viscous gel
Odour	Light, characteristic
Solubility	Soluble in all vegetable oils, glycerol triisostearate, isostearyl isostearate, oleic acid, isostearic acid, coco-caprylate/caprates and mixed glycerides. Insoluble in water, absolute ethanol, 1,2 propanediol, dimethicone
Bacteriological Data	Bacterial count (aerobic) <100 cfu/g
pH (1:20 water emulsion)	4.6 – 6.6
Stability	Store below 21°C in sealed containers. 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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