



Northstar Lipids

NEW

## Kiwi Fruit Seed Oil

(*Actinidia deliciosa*)

A Functional Fruit Lipid rich in  $\Omega 3$  Essential Fatty Acids

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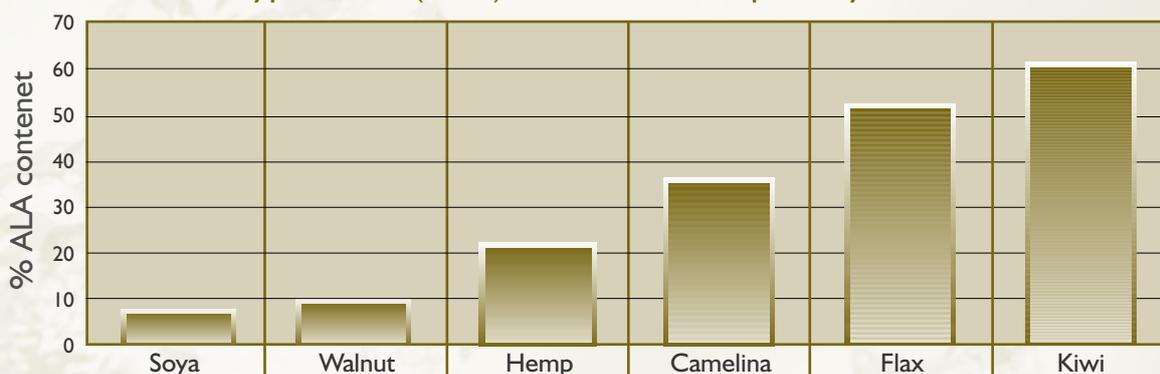
## Product Origin

Kiwi Fruit Seed oil is a fixed triglyceride oil extracted from the seed of the kiwi fruit by means of physical (cold) expression. The crude oil is often dark brown in colour and has a characteristic odour. In order to make the oil suitable for cosmetic and dietary applications, the oil is further refined to yield a lighter coloured, almost odourless product

## Nutritional Profile

The key feature of Kiwi oil is its high content of Alpha Linolenic Acid,(ALA), the main  $\Omega 3$  Essential Fatty Acid found in plant and fruit seed lipids. It typically contains around 61% ALA which is higher than many of the other conventional oils commercially available (e.g. flax, Camelina, Hemp, walnut)

Typical ALA ( $\Omega n-3$ ) of Commercial Speciality Oils



## Functionality & Applications

ALA has a number of functions in human metabolism and is understood to be a pre-cursor in the synthesis of PGE3 series Prostaglandins; these are important anti-inflammatory mediators and key in maintaining healthy skin, muscle and joint flexibility. **Kiwi seed oil is a rich dietary source of plant derived  $\Omega 3$  fatty acids** and is suitable for use in dietary supplements and Healthfood formulations. Furthermore, ALA rich oils have also been shown to have beneficial effects on the skin, particularly in reducing skin redness.

Because of its  $\Omega 3$  rich profile, **Kiwi oil is a very good skin conditioning lipid.**

In pure form it gives good emollience, relatively quick absorption and an excellent after feel.

We recommend Kiwi oil for use in light body oils, skin and scalp conditioning lotions and aftersun creams. We recommend an inclusion rate of >5%

Formulation suggestions are available upon request

