

Moringa Oil

Latin Name:	<i>Moringa oleifera</i>
Source:	Moringa kernals
Origin:	Uganda, Tanzania and Kenya
Production Location:	Athi River, Kenya
Extraction:	Mechanically cold-pressed



Background

Moringa oleifera – ‘The Miracle Tree’ has many names. From Ben Oil Tree in English to the Horseradish or Drumstick tree in India right through to Nebeday in Senegal – which is thought to mean “Never Die”, because the tree is extremely hearty and drought-resistant. It is native to both Africa and India but over the centuries the Moringa plant has been carried to all the tropical parts of the world, where it readily takes root. Moringa was first described around 2000 B.C. as a medicinal herb and is documented to have been used by many different ancient cultures including the Egyptians, Romans and Greeks.

Ancient Egyptians treasured Moringa oil as protection for their skin from the harsh desert weather and made a mixture from the seed which was used as a skin ointment. They also used Moringa oil to extract the fragrance from flowers such as jasmine – a process today known as enfleurage. The Greeks also found many beneficial uses for Moringa and introduced it to the Romans. It is commonly used for food, for medical purposes, as a wind-break in fields, and more recently has been researched and used in water purification in developing countries.

The oil is extracted from the seed of the tree Moringa oleifera – a deciduous tree which grows to around 10 metres in height. It produces pendulous pods which contain roughly 20 seed in each pod. The moringa flowers are fragrant white flowers found in sprays.

Earthoil is one of the world’s largest producers of Moringa oil and coordinates to collection of the seed from small-scale farmers in countries such as Uganda, Tanzania and Kenya. These farmers grow small amounts of cocoa and coffee and the Moringa trees on their land bring in valuable additional income. The seeds once collected from their remote locations are then road-freighted to Earthoil’s Nairobi factory – where they are then further cleaned and dried before being pressed and filtered.

Oil Composition

Colour:	Pale yellow/clear
Odour:	Mild characteristic nutty flavour
Viscosity:	Semi mobile at room temperature (20°C)
Principal Composition:	Palmitic, Stearic and Oleic acid



For more information please visit www.earthoil.com

Tel: +44 (0) 1284 702500 Fax: +44 (0) 1284 703809 Email sales@earthoil.com

Technical Data

INCI Name:	<i>Moringa oleifera</i>
CAS Number EU:	93165-54-9
EINECS Number:	296-941-1
Specific Gravity:	0.90 @ 25°C
Melting Point:	24°C
Flash Point:	290°C

Fatty Acid Profile – Typical

Fatty Acid	Common Name	Composition%
C16:0 Hexadecanoic	Palmitic acid	6.3
C16:1 Hexadecanoic	Palmitoleic acid	1.8
C18:0 Octadecanoic	Stearic acid	5.2
C18:1 Octadecenoic	Oleic acid (9c)	80.1
C18:2 Octadecadienoic	Linoleic acid (9c, 12c)	0.7
C20:0 Eicosanoic acid	Arachidic acid	2.2
C20:1 Eicosanoic acid	Gadoleic acid (11c)	1.5
C22:0 Docosanoic	Behenic acid	2.2

Potential Use

A remedy from around 1400BC to treat wrinkles consisted of gum of frankincense, fresh Moringa oil, grass and fermented plant juice.

Moringa in its raw form, and as an oil, is a rich source of vitamins, minerals and antioxidants. With a mild odour profile and a natural solvent capacity it has a good ability to carry other fragrances – and explains its historical use as a base for which aromatic plants were steeped. Moringa has very good emollient properties and contains a potent antioxidant in the non-glyceride fraction – properties making it ideal for use in skin and hair care products.

All information and statements contained herein are given in good faith. No warranty or guarantee is expressly stated or implied regarding the accuracy of the information and statements herein, or the results to be obtained from reliance thereon. Each user bears full responsibility for determining the suitability of the material for any and all uses, and assumes all risks associated therewith. Earthoil Plantations Limited accepts no liability for statements made by its employees or agents regarding the suitability of the material for a particular use.



For more information please visit www.earthoil.com

Tel: +44 (0) 1284 702500 Fax: +44 (0) 1284 703809 Email sales@earthoil.com