

MORINGA OIL

PRODUCT DATA SHEET



MORINGA OIL is the oil expressed from the seeds of *Moringa oleifera*, *Moringaceae*, native plant species of a native of the western and sub-Himalayan tracts, India, Pakistan, Asia Minor, Africa, and Arabia and distributed in The Philippines, Cambodia, Central America, North and South America, and the Caribbean Islands.

MORINGA flowers are white and fragrant, and it can grow well in the humid tropics or hot dry lands thrives best under the tropical insular climate, and is plentiful near the sandy beds of rivers and streams. In the Nile Valley, the name of the tree is “Shagara al Rauwaq”, which means “tree for purifying”.

MORINGA seeds are considered to be antipyretic, acrid, and bitter. They are reported to show antimicrobial activity and interest in the composition of *M. oleifera* seeds, and the extracted **MORINGA OIL**, also known as “Ben” or “Behen”, oil has existed over the years. A very low value of FFA as determined for **MORINGA OIL**, indicative of good quality, also exhibiting a very good oxidative state.

MORINGA OIL contains a high level of monounsaturated fatty acids, being oleic the predominant fatty acid, which accounted for 65-85% of the total. This fatty acid composition shows that it falls in the category of high-oleic oils and contains a high ratio of monounsaturated to saturated fatty acids. High-oleic oils, although genetically hard to reproduce, are growingly pursued because of their superior stability and nutritional benefits.

TECHNICAL DATA

Appearance: Clear yellow oily liquid

Parameter	Value
Acid value (mg KOH/g)	Max. 6
Peroxide value (meq/Kg)	Max. 10.0
Behenic acid	3.0 – 10.0%
Oleic acid	65-85%

MORINGA OIL



APPLICATION

MORINGA OIL may be directly applied on skin and hair. It may also be easily incorporated as an active ingredient or an excellent carrier in skin and hair care products. Its recommended dosage is between 3 to 10%.

MORINGA OIL contains behenic fatty acid, useful as a thickening agent and surfactant. Behenic acid, also called docosanoic acid, is a long-chain saturated fatty acid used in the cosmetic and hair care industry, manufacture soaps and other cosmetic and hair care products. Behenic acid has conditioning properties that help to keep skin and hair soft and smooth, being commonly added to facial moisturizers and hair conditioners to make skin look moist and feel smoother and hair easier to manage.

INCI Name: Moringa oleifera seed oil

CAS No.: [93165-54-9]

EINECS/ELINCS No.: 296-941-1

References:

Anwar, F. and Bhangar, M.I. 2003. Analytical Characterization of Moringa oleifera Seed Oil Grown in Temperate Regions of Pakistan. J. Agric. Food Chem. 2003, 51, 6558-6563.

Chuang PH¹, Lee CW, Chou JY, Murugan M, Shieh BJ, Chen HM. Anti-fungal activity of crude extracts and essential oil of Moringa oleifera Lam. Bioresour Technol. 2007 Jan; 98(1):232-6.
