



# Technical Data Sheet

## MACADAMIA NUT OIL

### Description:

This refined oil of the Macadamia Nut produces a very light oil with a neutral odor. It is rich in palmitoleic acid, which is bound to a natural triglyceride, therefore it is easily absorbed into the upper skin layers. It has excellent spreading properties. It has emollient, regenerative and skin conditioning properties.

### Label Ingredients Statement:

Macadamia Nut Oil

### Applications:

Body lotions, creams, sun tan lotions.

### Storage:

Keep out of direct sunlight; preferably below 75°F in tightly sealed containers.

### Specifications:

Flavor	Light nutty flavor
Color (Lovibond)	2.0 R (max.)
Free Fatty Acid (%)	1.5 (max)
Iodine Value (WIJS)	70 -82
Peroxide Value (meq/kg)	5.0 (max) <sup>1</sup>
Saponification Value	190 - 200
Density (at 20°C)	0.911-0.918

### Fatty Acid Composition (%):

Palmitic	16:0	7.0-10.0
Palmitoleic	16:1	14.0-24.0
Stearic	18:0	2.0 - 5.5
Oleic	18:1	53.0-67.0
Linoleic	18:2	1.0- 5.0
Linolenic	18:3	0.1- 3.0
Arachic Acid	20:0	1.5-3.0
Gadoleic Acid	20:1	1.5-3.0

<sup>1</sup>Maximum result at packaging. An oil's peroxide value can increase, but this does not imply that the oil is rancid.

This information representing typical values, is presented in the belief that it is accurate and reliable; however, no warranty either expressed or implied is made.

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