

EVOIL® MACADAMIA

PRODUCT DATA SHEET



EVOIL® MACADAMIA is a Natural Refined Vegetable Oil that improves the intrinsic properties of Macadamia Oil. It displays an optimal fatty acid composition profile that provides high antioxidant protection for cosmetic formulations.

MACADAMIA OIL is a unique vegetable oil due to its high content in Palmitoleic acid, a monounsaturated fatty acid that avoids oxidation and fits with the skin's fatty acid composition. Palmitoleic acid is found in human sebum among the young, but the level dramatically drops in mature skin.

EVOIL® MACADAMIA exhibits a long shelf life and good resistance to rancidity due to the low content of polyunsaturated fatty acids. It is an oil with minimal colour and virtually odourless.

TECHNICAL DATA

Appearance:	Clear pale yellow oily liquid
Acidity index:	≤ 1.0 mg KOH/g oil
Peroxide value:	≤ 10.0 meq O ₂ /Kg oil
Relative density (20°C):	0.909 - 0.915 g/ml

Fatty Acid	Composition
Palmitic acid	4.4 – 8.5 %
Palmitoleic acid	4 – 6.2 %
Oleic acid	23 – 80.5 %
Linoleic acid	2.6 – 56.6 %
Stearic acid	2.7 – 6.3 %

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APPLICATION



EVOIL® MACADAMIA may be directly applied to the skin and hair. It may also be easily incorporated as an active ingredient or an excellent carrier in skin and hair care products. The recommended dosage is between 3 to 10%.

EVOIL® MACADAMIA can also be used directly as massage oil. Should be kept in a cool place or refrigerated and tightly closed.

EVOIL® MACADAMIA applies easily and offers deep penetration and significant moisture retention together with high nourishing properties.

EVOIL® MACADAMIA restores dry, dehydrated, and mature skin.

EVOIL® MACADAMIA is suitable for all kinds of cosmetic products from rinse-off to leave-on. It is helpful in cases of sunburn and wound healing.

INCI Name: Macadamia Ternifolia Seed Oil and Olus (or) Vegetable Oil.

EVOIL MACADAMIA**CODE** 008328 **SPECIFICATION** **Nº** 00832802

PARAMETERS	SPECIFICATIONS	EDITION - 02/07/2007
Acid value	<1.0 mg KOH/g	
Peroxide value	<10 meq O2/Kg	
CHROMATOGRAPHY:		
Myristic	max. 0.5 %	
Palmitic	7.4 - 11.5 %	
Palmitoleic	6 - 12 %	
Stearic acid	2 - 6 %	
Oleic acid	40 - 80 %	
Linoleic acid	5 - 15 %	
Linolenic acid	max 1 %	
Arachidic acid	max 2 %	
Gadoleic acid	max. 2 %	
Behenic acid	max 1.0 %	

PACKING**REMARKS**KEEP FULL AND WELL CLOSED IN A DRY PLACE AND AWAY FROM LIGHT.
