

From The Fragrance Island (www.thefragranceisland.com)

Pure Emu Oil

2 oz Plastic Bottle of Pure Emu Oil

Code: E-TFI

Price: \$15.95

Emu oil is an oil made from the Emu. Emu oil is approximately 70% unsaturated fatty acids. The largest component is oleic acid – a mono-unsaturated fatty acid. Emu oil also contains about 20% linoleic (Omega 6) acid and 1-2% linolenic (Omega 3) acid. There is some evidence to suggest that the oil may have medicinal benefit. [1]

Emu oil is a complete neutral lipid, since emu oil lacks phospholipids.

Emu oil is used in some products as a skin softener.

– Chicago Tribune

“Albany, N.Y. – Dr. Jerome Chao wasn’t entirely convinced about the restorative properties of emu oil until he gave some to a dog-bite victim whose facial scarring looked like it would eventually require corrective surgery.

But, when the patient returned three months later and the long scar was barely noticeable, the Albany plastic surgeon began wondering if there wasn’t something to this product extracted from a big, flightless, unbelievably utilitarian bird....

...Chao’s interest in the oil started when a friend in the medical industry told him about it (emu oil).... So far, the (emu) oil has proven more effective than other scar-reducing lotions and creams, Chao said... The anti-inflammatory properties of the fatty-acid-rich (emu) oil seem to be key to reducing the appearance of scars if used within two to three weeks after surgery, he said.”

EMU OIL INSTITUTE - Emu Oil Research
(as published by the AEA)

Looking Into Emu Oil

By: Dr. R.N., University of Massachusetts (October, 2001)

Studies are currently underway. At the request of the AEA, we cannot publish the preliminary findings. They have asked us not to release this information prior to journal publication. We can tell you that data has been developed that will pass the test of scientific scrutiny. The studies include cholesterol lowering, anti-inflammatory and transdermal properties of emu oil. As soon as permission is granted to release this information at this site, we will be including it.

Experimental Study to Determine the Anti-Arthritic Activity of New Emu Oil Formulation (EMMP)(1993)

By: Dr. Peter Ghosh at Royal North Shore Hospital of Sydney, Australia and Dr. Michael Whitehouse at University of Adelaide, Australia.

Summary: A combination of emu oil with a suitable transdermal transporter is found to show anti-inflammatory (anti-rheumatic) activity in various rat models. Details :

Timing:

Experiments and observations occurred on subgroups of patients over a three-month period.

Research Experiment Purpose:

Dr. Whitehouse and Dr. Ghosh were trying to observe:

1. If Emu Oil is an anti-inflammatory agent for the painful swelling that takes place in joints and bones of those suffering from Arthritis; and,
2. Does Emu Oil eliminate the arthritis pain for arthritis sufferers in their bone cartilage and swollen joints.

Results/Conclusions:

1. In 14 days, Emu Oil had eliminated all inflammation caused by arthritis joint swelling and bone abrasion due to lack of cartilage.
2. None of the patients experienced arthritis pain in their joints and bones after 14 days of topical application. The pain caused by constant friction of bones rubbing together had disappeared.

Arthritis Pain Reduction:

Days of Emu Oil Treatment Rate of Reduction in Pain:

- 1 - 1%
- 4 - 30%
- 7 - 50%
- 11 - 82%
- 14 - 100%

Reduction of Arthritic Swelling :

Days of Emu Oil Treatment Swelling Reduction in Arthritic Joints

- 1 - 2%
- 6 - 22%
- 12 - 48%
- 17 - 100%

*Information obtained from the American Emu Association, 1995

Fatty Acid Analysis of Emu Oil

By: Dr. Paul Smith, Dr. Margaret Craig-Schmidt, Amanda Brown at Auburn University.

Summary: Analysis of fatty acids in emu oil reveals that it contains approximately 70% unsaturated fatty acids. The major fatty acid found in emu oil is oleic acid, which is mono-unsaturated and which comprises over 40% of the total fatty acid contents. Emu oil also contains both of the two essential fatty acids (EFA's) which are important to human health: 20% linoleic, and 1-2% alpha-linolenic acid.

Fatty Acid Composition: Comparative analysis of emu, ostrich and rhea oil.

By: Dr. Margaret Craig-Schmidt and K.R. William at Auburn University. (1996)

Summary: A comparison between oil rendered from the fat of the emu, the ostrich and the rhea reveals that the predominant fatty acid in ostrich and rhea oils is palmitic acid, and of emu oil is oleic acid.

International Emu Oil Guidelines

By: The AEA Oil Standards Team, Lee D. Smith (Team Leader) (1997)

Summary: (a) The text part of the Guidelines consists of the Executive Summary, the Introduction, and Background, and gives the requirements for the handling of emu fat to ensure optimum quality of the finished oil, from bird handling and processing to fat handling and cold storage.

(b) Actual oil testing criteria are summarized within the Emu Oil Guidelines. The testing criteria would be required by laboratories testing samples of emu oil to make sure the oil satisfies the guidelines for safety and consistency. All oil testing laboratories and oil rendering facilities should have a copy of the Emu Oil Guidelines.

Emu Oil: Comedogenicity Testing

By: Department of Dermatology, at University of Texas Medical School, Houston.(1993)

Summary: Testing using the rabbit ear histological assay, with emu oil in concentrations of 25%, 75% and 100% shows that emu oil in concentrations of up to 100% is non-comedogenic, i.e. it does not clog the pores of the skin.

Moisturizing and Cosmetic Properties of Emu Oil: A Double Blind Study

By: Dr. Alexander Zemtsov, Indiana University School of Medicine; Dr. Monica Gaddis, Ball Memorial Hospital; and Dr. Victor Montalvo-Lugo, Ball Memorial Hospital. (1994)

Summary: Eleven human subjects took part in a double-blind clinical study which compared emu oil with mineral oil in texture, skin permeability and moisturizing properties, as well as comedogenicity and irritability to the skin. No irritation to the skin was observed with either oil. However, comedogenicity of emu oil was significantly lower than that of mineral oil, and all subjects stated a unanimous preference for emu oil.

Composition of Emu Oil: The Micro View

By: Dr. Leigh Hopkins, AEA Oil Standards Team (Research Leader) (1997)

Summary: When compared with human skin oil, the fatty acid composition of emu oil is found to be quite similar. In both types of oil, mono-unsaturated oleic acid is the most prevalent fatty acid, followed by palmitic acid, then linoleic acid, which is an EFA. This similarity may be one of the factors enabling emu oil to have such a positive action on human skin.

Emu Cream Assists Lidocaine: Local Anesthetic Absorption through Human Skin

By: Dr. William Code. (Presented at the 88th American Oil Chemists Society annual meeting, May 1997)

Summary: In his initial work with an emu oil based cream combined with spearmint oil and lidocaine, Dr. Code has found that this mixture appears to produce a reduced sensation in the skin as compared with another mixture of local anesthetics without emu oil. The goal is to reduce sensitivity to the skin in a safe, fast and effective way for procedures such as suturing or giving injections.

Emu Oil: A Source of Non-Toxic Transdermal Anti-Inflammatory Agents in Aboriginal Medicine (1997)

By: Dr. Michael Whitehouse and Athol Turner, Dept. Of Medicine, University of Queensland, Australia (Source: Inflammapharmacology, San Francisco, March 1997 conference proceedings).

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