



IntegriLIPID Cranberry Seed Oil Refined

INCI Name: : *Vaccinium macrocarpon (Cranberry) Seed Oil*

Introduction

Cranberries have long been associated with healthy living by drinking the juice or eating them whole. Traditionally processed for the juice, some of the healthier parts of the cranberry have been discarded.

The cranberry seeds hold powerful nutrients important to human health and the produced oil is one of the most healthiest on the market. It supplies the skin with critical essential nutrients and it contains a blend of omega 3, 6 and 9 essential fatty acids that are crucial to skin, heart, brain and total cellular health. Uniquely balanced 3, 6, and 9, phytosterols, phospholipids and other powerful antioxidants reside in this highly stable oil.

Cranberry seed oil is the only oil with a naturally balanced 1:1 omega 3 and omega 6 profile and it contains natural antioxidants that keep it fresh for two years.

The essential fatty acids are not produced by our bodies but are critical for normal skin functions. The oil contains a high concentration of tocotrienol antioxidants, which protected the skin from environmental pollutions. Omega 3 EFA's are vital to proper cell membrane functions and influence nearly every bodily function and component. They have consistently been associated with heart health and are also thought to lower the risk of certain cancers, reduce inflammatory and provide healthy joints, skin and hair.

People suffering from Fibromyalgia, Eczema and Psoriasis are advised to take Cranberry seed oil or supplements containing Cranberry seed oil.

Because of the unique cold pressing these important phytonutrients are protected by naturally occurring antioxidants, including all eight isomers of vitamin E carotenoids (beta-carotene). A university of Massachusetts at Amherst study by professor Wassef Nawar shows Cranberry oil is the richest known source of tocotrienols (vitamin E). Cranberry seeds also contain a complete protein profile (all essential and branch chain amino acids).

Cranberry Seed Oil usage in Hair Care

Your curly or wavy hair needs moisture to stay in shape, so make sure to hydrate your hair with natural shampoos that contain natural Cranberry seed oil.

According to the USDA, Cranberry seed oil contains the highest concentration of Antioxidants.

Cranberry seed oil will deliver the benefits of Antioxidants, Omega 3 & 6 fatty acids and will help with hair damage recovery by **restoring, hydrating** and **lubricating hair** exposed to damaging summer conditions.

Cranberry seed oil is a highly unsaturated botanical, giving it superior moisturizing properties. Working together with nutrient rich Omega 3 & 6 and Antioxidant properties, this botanical oil promotes hydrated, healthy hair with minimal build up.

Why 100% pure Cranberry Seed Oil?

This botanical oil, cold pressed from the Cranberry seed, contains high concentrations of both Omega 3 & 6 fatty acids. These compounds are crucial to cellular health. Deficiencies can result in dry brittle hair, eczema and atopic dermatitis.

Hair and skin not only benefit from the Omega 3 & 6 in Cranberry oil but from the oil's naturally occurring Vitamin E – a powerful Antioxidant which helps locate and repair damaged cells, called free radicals. This damage occurs from daily exposure to environmental pollutants.

Cranberry oil is one of the most unsaturated botanical oils available, making it a superior emollient.

With its Omega 3 & 6, Vitamin E and exceptional moisturizing properties, Cranberry oil is truly a wonder of nature.

Fatty Acid Profile

			Range %
Fatty Acid Profile (Major Acids)	Palmitic	C16:0	3—6
	Palmitoleic	C16:1	<0.5
	Stearic	C18:0	0.5—2.0
	Oleic	C18:1	22—26
	Linoleic	C18:2	30—38
	Linolenic	C18:3	20—38
	Icosenoic	C20:1	<1.0
	Tetracosenoic	C24:1	<1.0

Clinical Studies

The first scientific findings on cranberry were related to urinary tract health. Scientific research is revealing how healthful cranberries can be. Since 1984 many studies have confirmed that cranberries have numerous health benefits, the foremost being its anti-adhesion effect on bacteria.

International conference and Exhibit on Nutri-Functional Foods (Sept 2000)

Cranberry seeds are found to contain a higher level of tocotrienols, powerful antioxidants, than in any other plant.

Journal of Medicinal Foods (Oct 2000)

Researchers at the University of Wisconsin discover that compounds found in cranberry oil dilate blood vessels, thereby reducing blood pressure. The researchers conclude that the flavonoids and acanthocyanins may provide benefits to the heart.

University of Illinois (1996)

Studies demonstrated the potential anti carcinogenic properties of cranberries. Later research demonstrated that human breast cancer cells showed significantly lower incidence of tumor development when the experimental group's diet was supplemented with cranberries.

Personal Care

EFA's have a clear effect on the skin and act as "anti-aging" agents by enhancing the barrier function of the epidermis, reducing the trans-epidermal water loss and improving the elasticity of the skin.

Because of its excellent properties cranberry seed oil is particularly useful in products for eczema and psoriasis. Also suitable for topical skin care, hair and cosmetic application, cranberry oil delivers excellent emollient, moisturizing and derma-protective properties.

Summary

Cranberry oil is relatively new to the skin care industry but has received a lot of recognition for its **unique natural balance of omega-3, omega-6 & omega-9 fatty acids, which are not found in any other oil** and its high content of natural antioxidants. This exceptional oil aids the absorption and utilization of essential fatty acids in the skin and is said to be a **superb moisturizer**.

The oil is rich in tocopherols (vitamin E), is light and non-greasy on the skin and **easily penetrates the skin**. Cranberry seed oil can be used in moisturizing lip balms, balms, creams, lotions, face and eye creams etc.

This oil may aid in the **relief of itchy, scaly, irritated skin conditions such as eczema and psoriasis**.

“Cranberries are especially rich in seeds, out of 20 metric tons of berries only 20 liters of cranberry seed oil are won. It is therefore one of the most precious plant oils.”

Shelf Life: 2 years.

Benefits:

Improved elasticity

Anti aging

Helps treat psoriasis and eczema

Skin softening

Emollient

Stable shelf life against oxidation due to high content of tocopherols

Uses:

Massage creams

Hair Care

Creams

Lotions

Balms

Suggested Use Levels:

Lotions and Creams 1—9 %

Balms 2—10%

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