

PREMIER SPECIALTIES

Premier Specialties, Inc. 201 Egel Avenue, Middlesex, New Jersey 08846-2502



LINGONBERRY SEED OIL

PRODUCT NAME

PREMIER
LINGONBERRY SEED
OIL

APPLICATION(S)

Skin care
Anti-aging
Sun care
Moisturizers
Skin lighteners

COMPOSITION (INCI)

Vaccinium Vitis
Idaea Seed Oil

ORIGIN

Plant

CAS NUMBER

90131-85-4

EINECSNUMBER

290-400-3

USE LEVEL

0.1 -20.0%

SOLUBILITY

Oil

PRODUCT CODE

Premier #315900

PREMIER LINGONBERRY SEED OIL

The Lingonberry plant, *Vaccinium vitis idaea* is a low-lying, evergreen, shrub-like plant native to arctic regions throughout the northern hemisphere. Its fruit, sometimes referred to as the mountain cranberry, has been used for centuries as both a source of food and as a natural remedy for pain and inflammation, as well as an astringent and antiseptic.

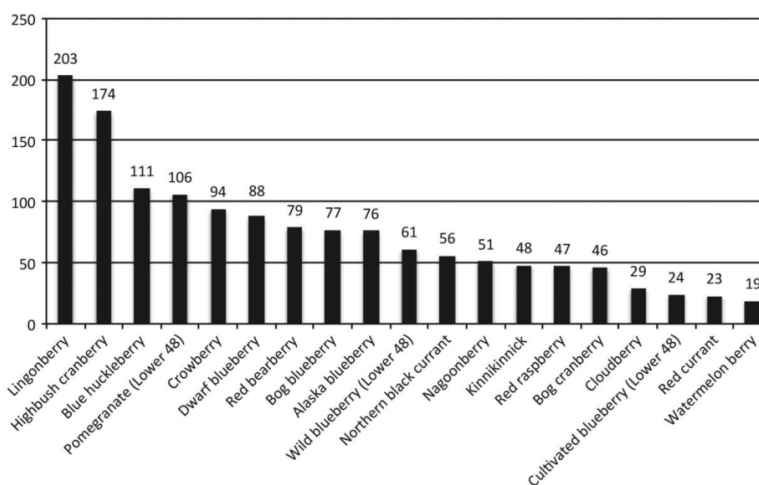
WHY LINGONBERRY SEED OIL?

Lingonberry Seed Oil is rich in Essential Fatty Acids (EFA's), plant sterols (phytosterols) and antioxidants. Nearly 80% of the oil extracted from lingonberry seeds possess the optimal EFA proportion of alpha-linolenic (omega-3) and linoleic (omega-6) acids for healthy skin; 1 to 2 n-6: 1 n-3. In addition, Lingonberry Seed Oil is among the richest sources of tocotrienols (predominantly γ -tocotrienol). Tocotrienols have been shown to possess superior antioxidant properties to those exhibited by tocopherols, as they are effective in the inhibition of factor-kappa B.

ACTIVITY OF LINGONBERRY SEED OIL

- Anti-inflammatory
- Rich in Essential Fatty Acids (Linolenic and Linoleic Acids) –
 - Potent antioxidant/free radical scavenging
 - Promotes normal cell renewal and healthier looking skin
 - Protects and strengthens skin firmness
 - Moisturizing

ORAC Score for Berries



In addition, in the peroxy radical scavenging assay, corresponding to lipophilic oxygen radical absorbance (lipophilic ORAC), there was a positive correlation between the oil's total tocopherols and tocotrienols and the ORAC value.



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TYPICAL PROPERTIES

Appearance	Liquid
Color	Pale Yellow - Yellow
Odor	To Match Std.
Iodine Value	145.0 - 180.0
Free Fatty Acid (Oleic)	2.0% Maximum
Peroxide Value	5.0 Maximum
Saponification Value	185.0 - 200.0
Fatty Acid Profile (Typical)	
Palmitic, C16:0	2.0 - 8.0
Stearic, C18:0	1.0 - 5.0
Oleic, C18:1	10.0 - 25.0
Linoleic, C18:2	30.0 - 47.0
Linolenic, C18:3	25.0 - 55.0

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