FSS Cloudberry Seed Oil

Rich in vitamins

Exotic

Ideal for extreme environments
Fruit-bearing perennial plant related to the raspberry

Common to the northern hemisphere
- Considered a delicacy in Norway

Fruit tastes like baked apples and is often called “beakapple” or “baked apple berry”
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- Thrives in extreme conditions where few other plants survive
- Capable of withstanding temperatures as low as -40°C
- Due to its cold temperature tolerance, it’s said to be a “Botanical vestige of the Ice Ages”
- Rich in numerous vitamins and minerals
  - Vitamin C: three times higher concentration than in oranges
  - Vitamin E
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Fatty Acid Composition

- 14:0 Myristic Acid 0.1%
- 16:0 Palmitic Acid 2.6%
- 16:1 Palmitoleic Acid 0.2%
- 18:0 Stearic Acid 1.4%
- 18:1 Oleic Acid 16.3%
- 18:2 Linoleic Acid 43.1%
- 18:3 Linolenic Acid 33.7%
- 20:0 Arachidic Acid 0.9%
- 20:1 Gadoleic Acid 0.9%
- 20:2 Eicosadienoic acid 0.4%
- 22:0 Behemic Acid 0.3%
- 24:0 Lignoceric Acid 0.1%
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**Tocopherol Content**

- Oil soluble
- Excellent antioxidant
  - Protects cells from oxidation and neutralizes unstable free radicals
  - It has a chromanol ring, with a hydroxyl group that can donate a hydrogen atom to reduce free radicals
- Provides preservation benefits by protecting from oxidation also reducing rancidity
- Excellent moisturizer and soother
- UV exposure depletes the skin from tocopherol leaving it dry and unprotected
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- Cold pressed
- Yellow to red oily liquid
- Light in texture

- Peroxide value: 10 Maximum
- Acid value: 100 Maximum

- Standardized for Tocopherol content (0.05 – 0.15% ) and Essential Oil content (0.15 – 0.50% )

- Marketing Appeal
  - Exotic origin
  - Extreme environment

- Cosmetic applications:
  - Protectant
  - Conditioner
  - Moisturizer
  - Antioxidant
  - Soother
FSS Cloudberry Seed Oil

Technical Information

**Code Number:** FSS15010

**INCI Name:** Rubus Chamaemorus Seed Oil

**Status:** Conforms

**Suggested Use Levels:** 1.0 – 10.0%

**Suggested Applications:** Antioxidant, protectant, conditioner, moisturizer & soother