



NATURAL SOURCING

Specialists in Cosmeceutical Ingredients



ORGANIC ROSEMARY OIL EXTRACT

Available With 14% Diterpene Phenol or 25% Diterpene Phenol Concentration

INCI: Rosmarinus officinalis (Rosemary) Leaf Oil, Helianthus annuus (Sunflower) Seed Oil and Tocopherols

Extraction Method: CO₂ (Supercritical Fluid Extraction)

Shelf Life: > 5 Years With Proper Storage

Country of Origin: Germany

Background:

Botanical Origins provides the most superior Organic Rosemary Oil Extract (ROE) available. Rosemary is a fragrant herb native to the Mediterranean with leaves that resemble needles. Rosemary Oil Extract acts as a natural anti-oxidant suitable for use in nutraceutical and cooking applications. Our Rosemary Oil Extract is carefully extracted from high-grade organic rosemary leaves. Rosemary leaves that possess a high concentration of diterpene phenols are selected. The leaves are then extracted using supercritical fluid extraction via CO₂ and a trace amount of alcohol. This extraction method results in a superior quality, natural oil that maintains the most beneficial properties of rosemary including a high DTP concentration. This method is also ideal for maintaining the natural integrity of our oil because other extraction methods commonly use synthetic chemicals that can remain within the final product. A small amount of organic sunflower oil (<4%) is added to increase solubility when blended with oils/fats. A trace amount of natural GMO-free tocopherols are added to enhance the natural anti-oxidant properties of the oil. Our rosemary oil extract is then packaged to maintain its purity, freshness and beneficial compounds.

Applications:

CO₂ extracted organic rosemary oil is especially suited to protect against oxidation in food products that contain fats and oils. Suggested uses are within meat products, sauces, marinades, sauces, condiments, and salad dressings.

Rosemary Seed Extract Properties:

- Natural Anti-oxidant
- Oil soluble
- Low flavor permits them to be successfully used in all food applications
- Unregulated and can be used in both diet and health foods/ supplements at any desired dosage.
- Please see our Rosemary Oil Extract Specification Sheets for further details.

14% vs. 25% Diterpene Phenol (DTP) Content

Botanical Origins offers both standardized 14% and 25% Diterpene Phenol (DTP) varieties of Organic Rosemary Oil Extract. The higher the DTP content contained with Rosemary Oil Extract, the stronger the anti-oxidation property that the oil possesses.

Dosage Recommendations

A minimum 200ppm of Rosemary Oil Extract 14% DTP is recommended for products containing a low percentage of oils/fats. Raise the ratio to increase protection against oxidation. If your formulation includes a high concentration of unsaturated fatty acids, a minimum of 2000ppm Rosemary Oil Extract 25% DTP is suggested.

Liquefy the oil extract by heating to 40-50°C (104-122°F) and then add to the oil/fat phase.

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