



## Organic Rosemary Antioxidant CO2 Extract, 14% DTP

INCI: Helianthus Annuus (Sunflower) Seed Oil (and)  
Rosmarinus Officinalis (Rosemary) Leaf Extract  
Product ID: ORGCO2ROE14DE52

### Specifications

#### Analytical Details

**Appearance:**

**Odor:**

**Total Volatile Flavor Compounds:**

**Methyl Eugenol:**

**Residual Content of Ethanol:**

**Content of Water:**

#### Methods

Visual

Organoleptic

21.135.02, GCMS, Quantitative

GCMS

21.025.05, GCFID

21.220.01, Karl Fischer Method

#### Specifications

Dark Brown Viscous Liquid

Weak Odor

< 2%

< 0.0025%

< 0.5%

< 1%

#### Polyphenolic Profile

**Carnosic Acid:**

21.028.06, HPLC

> 6%

**Reference AO Compounds Carnosol +  
Carnosic Acid (as Carnosic Acid):**

21.028.06, HPLC

7 - 10%

#### Persistent Organic Pollutants

**Benzo(a)pyrene:**

21.177.02, GCMS

< 2 ppb

**Sum of Benzo(a)pyrene,**

21.177.02, GCMS

< 10 ppb

**Benz(a)anthracene,**

**Benzo(b)flouranthene and Chrysene:**

**Shelf Life:**

5 Years

**Note: According to Rancimat testing (in lard at 120 °C and 15 L/hr air flow), 200 ppm of Rosemary Antioxidant has the equivalent anti-oxidative activity as 500 ppm Tocopherol and 500 ppm Rosemary Antioxidant has 1.3 times as much anti-oxidative activity as 500 ppm Tocopherol.**

**Date:** 07/12/2024

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