



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:
Total Content of Borneol, Bornyl Acetate, Camphor, 1,8-Cineole, Verbenone:
Residual Content of Ethanol:
Content of Water:

Methods

Visual
 Organoleptic
 21.135.02, GCMS, Quantitative
 21.135.02, GCMS, Quantitative
 21.025.05, GCFID
 21.220.01, Karl Fischer Method

Specifications

Dark Brown Viscous Liquid
 Weak Odor
 < 2%
 Not Specified
 < 0.5%
 < 1%

Polyphenolic Profile

Rosmanol: 21.028.06, HPLC Not Specified
7-methyl-Rosmanol: 21.028.06, HPLC Not Specified
Carnosol: 21.028.06, HPLC Not Specified
Carnosic Acid: 21.028.06, HPLC > 6%
12-o-methyl-Carnosic Acid: 21.028.06, HPLC Not Specified
Sum of Phenolic Diterpenes (as Carnosic Acid): 21.028.06, HPLC Not Specified
Reference AO Compounds Carnosol + Carnosic Acid (as Carnosic Acid): 21.028.06, HPLC 7 - 10%
Betulinic Acid: 21.028.06, HPLC Not Specified
Ursolic Acid: 21.028.06, HPLC Not Specified
Oleanolic Acid: 21.028.06, HPLC Not Specified

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: 11/15/2019

Disclaimer: All information, appearing herein on our products is based upon data that are believed to be reliable. However, it is the user's responsibility to determine the suitability of the product before use. Since the actual use of the product is beyond our control, no guarantee, express or implied, is made by Natural Sourcing of the product nor does Natural Sourcing assume any liability arising out of use, by others, of the product referred to herein.