



Organic Seabuckthorn Berry Total CO2 Extract  
 INCI: Hippophae Rhamnoides (Seabuckthorn) Fruit Extract (and)  
 Rosmarinus Officinalis (Rosemary) Leaf Extract  
 Product ID: ORGCO2SBKBERRYTODE52

### Specifications

**Analytical Details**

**Appearance:**  
**Odor:**  
**Total Fat:**  
**Saturated Fatty Acids:**  
**Monounsaturated Fatty Acids:**  
**Polyunsaturated Fatty Acids:**  
**Acid Value:**  
**Peroxide Value:**  
**Aw - Value (22.9 °C):**  
**Relative Density (20 °C):**  
**Refractive Index (20 °C):**  
**Saponification Value:**  
**Unsaponifiable Matter:**  
**Ester Value:**  
**Moisture:**  
**Sum of Carotenoids  
 (Calc. as β-Carotene):**  
**Sum of Sterols  
 (Calc. as Sitosterol):**  
**Sum of Tocopherols  
 (Calc. as α-Tocopherol):**  
**Persistent Organic Pollutants**  
**Benzo(a)pyrene:**  
**Sum of Benzo(a)Pyrene,  
 Benz(a)Anthracene,  
 Benzo(b)Fluoranthene, and  
 Chrysene:**

**Methods**

Visual  
 Organoleptic  
 DGF Method, C - VI 10b  
 DGF Method, C - VI 10b  
 DGF Method, C - VI 10b  
 DGF Method, C - VI 10b  
 21.016.03, DGF  
 21.015.03, DGF, Wheeler  
 Lab Swift Aw - Value Measurement  
 21.024.03, Pycnometer  
 21.080.03, Abbe-Refractometer  
 21.017.02, DGF  
 21.020.03, DGF  
 Equals SV - AV  
 21.220.01, Karl Fischer Method  
 21.008.05, Spectrometer  
 21.132.03, GCFID  
 21.113.03, HPLC  
 21.177.02, GCMS  
 21.177.02, GCMS

**Specifications**

Orange-Red Oil  
 Characteristic  
 Not Specified  
 Not Specified  
 Not Specified  
 Not Specified  
 < 18 mg KOH/g  
 < 15 meq O<sub>2</sub>/kg  
 < 0.7  
 0.910 - 0.925 g/cm<sup>3</sup>  
 1.460 - 1.480  
 Not Specified  
 Not Specified  
 Not Specified  
 Not Specified  
 0.05 - 0.20%  
 > 0.80%  
 Not Specified  
 < 0.002 ppm  
 < 0.010 ppm

**Fatty Acid Profile**

<b>C16:0 Palmitic:</b>	21.156.03, GCFID	20 - 30%
<b>C16:1 <math>\omega</math>7 Palmitoleic:</b>	21.156.03, GCFID	28 - 38%
<b>C18:0 Stearic:</b>	21.156.03, GCFID	Not Specified
<b>C18:1 <math>\omega</math>9 Oleic:</b>	21.156.03, GCFID	10 - 20%
<b>C18:1 <math>\omega</math>7 Vaccenic:</b>	21.156.03, GCFID	> 6%
<b>C18:2 <math>\omega</math>6 Linoleic:</b>	21.156.03, GCFID	Not Specified
<b>C18:3 <math>\omega</math>3 <math>\alpha</math>-Linolenic:</b>	21.156.03, GCFID	Not Specified
<b>C20:0 Arachidic:</b>	21.156.03, GCFID	Not Specified

**Shelf Life:** 2 Years

**Date:** 07/16/2020

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