



Organic Sea Buckthorn Berry CO2 Total 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 O₂/kg

< 0.7

0.910 - 0.925 g/cm³

1.460 - 1.480

Not Specified

Not Specified

Not Specified

Not Specified

0.03 - 0.13%

> 0.80%

Not Specified

< 0.002 ppm

< 0.010 ppm

**Fatty Acid Profile**

C16:0 Palmitic:	21.156.03, GCFID	20 - 30%
C16:1 ω7 Palmitoleic:	21.156.03, GCFID	28 - 38%
C18:0 Stearic:	21.156.03, GCFID	Not Specified
C18:1 ω9 Oleic:	21.156.03, GCFID	10 - 20%
C18:1 ω7 Vaccenic:	21.156.03, GCFID	> 6%
C18:2 ω6 Linoleic:	21.156.03, GCFID	Not Specified
C18:3 ω3 α-Linolenic:	21.156.03, GCFID	Not Specified
C20:0 Arachidic:	21.156.03, GCFID	Not Specified

Shelf Life: 2 Years

Date: 6/10/2026

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