



Organic Rose Hip Seed Total CO2 Extract

INCI: Rosa Canina (Rose Hip) Seed Extract (and)

Rosmarinus Officinalis (Rosemary) Leaf Extract

Product ID: ORGCO2ROSEHIPSDTODE52

Specifications

Analytical Details

Appearance:

Peroxide Value:

Acid Value:

Saponification Value:

Ester Value:

Unsaponifiabiles:

Moisture:

Aw-Value (25.6 °C):

Sum of Sterols (Calc. as Sitosterol):

Sum of Tocopherols (Calc. as α-Tocopherol):

Refractive Index (20°C):

Specific Gravity (20°C):

Sum of Carotenoids (Calc. as β-Carotene):

Benzo(a)pyrene:

Sum of Benzo(a)pyrene,

Benz(a)anthracene,

Benzo(b)fluoranthene, & Chrysene:

Fatty Acid Profile

C16:0 Palmitic:

C16:1ω7 Palmitoleic:

C18:0 Stearic:

C18:1ω9 Oleic:

C18:1ω7 Vaccenic:

C18:2ω6 Linoleic:

C18:3ω3 α-Linolenic:

C20:0 Arachidic:

Methods

21.015.03, DGF, Wheeler

21.016.03, DGF

21.017.02, DGF

Equals SV - AV

21.020.03, DGF

21.220.01, Karl Fischer Method

LabSwift Aw-Value Measurement

21.132.03, GCFID

21.113.03, HPLC

21.080.03, Abbe-Refractometer

21.024.03, Pycnometer

21.008.05, Spectrometer

21.177.02, GCMS

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21.156.03, GCFID

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Specifications

Orange to Light Reddish,
Clear Oil

< 12 meq O₂/kg

1 - 15 mg KOH/g

180 - 210 mg KOH/g

170 - 200 mg KOH/g

< 3 %

Not Specified

< 0.7

Not Specified

Not Specified

1.470 - 1.485

0.910 - 0.930 g/cm³

0.01 - 0.02 %

< 0.002 ppm

< 0.010 ppm

2 - 6 %

Not Specified

< 5 %

12 - 22 %

Not Specified

41 - 59 %

20 - 35 %

Not Specified

Shelf Life:

2 Years

Storage:

Store in cool and dry place, under inert gas.

Date: 07/29/2019

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