Seabuckthorn Berry Total CO2 Extract  
INCI: Hippophae Rhamnoides (Seabuckthorn) Fruit Extract  
Product ID: CO2SBKBERTOCN421

Specifications

**Analytical Details**

**Typical**

**Appearance:** Brownish red oil, concretion at low temperature  
**Odor and Taste:** Characteristic of seabuckthorn fruit  
**Acid Value:** ≤ 20.0 mg KOH/g  
**Peroxide Value:** ≤ 10.0 meq/kg  
**Iodine Value:** 30 - 100 g/100g  
**Saponification Value:** 130 - 200 mg KOH/g  
**Unsaponifiable Matter:** ≥ 1.0%  
**Moisture & Volatiles:** ≤ 0.3%  
**Residual Solvent:** Negative  
**Total Plate Count:** < 10 cfu/g

**Fatty Acid Composition**

**Typical %**

<table>
<thead>
<tr>
<th>Fatty Acid</th>
<th>Typical %</th>
</tr>
</thead>
<tbody>
<tr>
<td>C16:0 Palmitic</td>
<td>27.83</td>
</tr>
<tr>
<td>C16:1 Palmitoleic</td>
<td>34.02</td>
</tr>
<tr>
<td>C18:0 Stearic</td>
<td>1.00</td>
</tr>
<tr>
<td>C18:1 Oleic</td>
<td>28.10</td>
</tr>
<tr>
<td>C18:2 Linoleic</td>
<td>4.80</td>
</tr>
<tr>
<td>C18:3 Linolenic</td>
<td>2.98</td>
</tr>
</tbody>
</table>

**Heavy Metals**

- **As (Arsenic):** ≤ 0.5 ppm  
- **Pb (Lead):** ≤ 0.2 ppm  
- **Hg (Mercury):** Not specified

**Shelf Life:** 2 Years

Date: 05/01/2018

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