

Chemical Analysis of Solberry Seabuckthorn Dried Leaves

| Test | Result |
|-------------------------------------|-----------------|
| Moisture, Forced Draft | 8.69% |
| Protein | 18.39% |
| Crude Fat | 3.94% |
| Crude Fiber | 12.50% |
| Ash | 3.67% |
| Carbohydrates, Calculated | 65.31% |
| β-carotene | 27,100 IU/100 g |
| Folic Acid, Total | 0.372 mg/100 g |
| Niacin | 5.96 mg/100 g |
| Vitamin B1 - Thiamine Hydrochloride | 0.0623 mg/100 g |
| Vitamin B2 (riboflavin) | 0.285 mg/100 g |
| Pantothenic acid | 4.86 mg/100 g |
| Alpha-Tocopherol | 64.3 mg/100 g |
| Beta-Tocopherol | <1.00 mg/100 g |
| Gamma Tocopherol | 5.07 mg/100 g |
| Delta-Tocopherol | <1.00 mg/100 g |
| Total Vitamin E (Tocopherols) | 69.4 mg/100 g |
| Epigallocatechin | 0.292 % (w/w) |
| Catechin | 0.362 % (w/w) |
| Epicatechin | 0.233 % (w/w) |
| Epigallocatechin-3-gallate | < 0.001 % (w/w) |
| Gallocatechin gallate | < 0.001 % (w/w) |
| Epicatechin-3-gallate | 0.243 % (w/w) |
| Catechin gallate | 0.0308 % (w/w) |
| Total Catechins | 1.16 % (w/w) |
| Catechin gallate | 0.0308 % (w/w) |
| Campesterol | 0.00206 % (w/w) |
| Stigmasterol | 0.0404 % (w/w) |
| Beta-sitosterol | 0.177 % (w/w) |
| Total Phytosterols | 0.219 % (w/w) |
| Calcium | 0.64% |
| Copper | 7ppm |
| Iron | 0.01% |

| | |
|-------------------------|----------------------|
| Magnesium | 0.19% |
| Manganese | 42 ppm |
| Phosphorus | 0.21% |
| Potassium | 0.87% |
| Sorbic acid (E200) | < 0.2 mg/kg |
| Benzoic acid (E210) | < 0.2 mg/kg |
| Ellagic acid | 0.0912 % (w/w) |
| Fructose | <0.30 % |
| Glucose | 1.68% |
| Boron (B) | 3,460 µg/100 g |
| Tannins, as Tannic acid | 10.40% |
| Total Flavanoids | 7500 mg/100g |
| Total Polyphenols | 9360 mg/100 g |
| ORAC Assay | 80325 µmol TE / 100g |
| Total Phenolics Assay | 9638 mg GAE / 100g |
| Total Carotenoids | 449 mcg/g |

mcg - Microgram

TE - Trolox Equivalents

GAE - Gallic Acid Equivalents