



ARTEMIS
INTERNATIONAL, INC.
From Field To Function™

PRODUCT BULLETIN

Standardized Elderberry Liquid, 3.2%

Product Code: 70120046 (previously 73280000)

Date: January 2005 (supersedes November 2002)

Product Information: Pure elderberry, *Sambucus nigra*, concentrated without solvents by physical process only, and standardized to a minimum of 3.2 g/100 g anthocyanin.

Chemical Values of Concentrate:

Color Units (<i>abs. x dil., 510 nm, pH = 1.0</i>)	2,400 – 2,600	
Soluble solids <i>by refractometer (20°C)</i>	28 – 36	°Brix
Total anthocyanin (<i>expr as cyanidin-3-glucoside, by HPLC</i>)	> 3.2	g/100 g
Total phenolics (<i>expr. as catechin, by Folin-Ciocalteu</i>)	4.2 – 8.1	g CE/100 g
Total acidity <i>as citric acid (anhydr.) pH=8.1</i>	30 – 50	g/kg
pH value	2.9 – 3.5	
Sucrose	0 – 3	g/kg
Glucose	16 – 28	g/kg
Fructose	14 – 26	g/kg
Potassium	2000 – 4800	mg/kg

Microbiological Values:

Yeast and Molds	< 10	CFU/g
Total Plate Count	< 100	CFU/g

Packaging: Aseptically packed in 20 kg pails

Storage: Store below 5 degrees C. If package is opened, use immediately or store at –18 to –25 degrees C.

Best Used By: 8 months after the production date

The information contained herein is, to the best of our knowledge, correct. The data outlined and the statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information, it is suggested that you evaluate the product on a laboratory scale prior to use in a finished product.