



ARTEMIS
INTERNATIONAL, INC.
From Field To Function™

PRODUCT BULLETIN

Standardized Elderberry Powder, 25%

Product code: **70120035** (previously 74120001)
Date: **January 2005** (supercedes February 9, 2001)

Product Information: This product is produced by spray drying elderberry extract. Standardized to a minimum of 25 g/100 g anthocyanin.

Physical Values:

Color	Intensive dark red-brown
Appearance	Powder, uniform particles, hygroscopic
Taste	Nearly neutral, acidic
Excipient	maltodextrin
Mesh size	< 210 micro (>70 mesh) – min 98%
Solubility	Soluble in water and water/alcohol mixtures
Moisture	≤ 8%

Chemical Values:

Anthocyanin, expr. as cyanidin-3-glucoside (<i>HPLC</i>)	≥ 25	g/100 g
Anthocyanin, expr. as cyanidin-3-glucoside (<i>pH-Diff.</i>)	≥ 26	g/100 g
Color Units (<i>abs x dil. 510 nm, pH 1.0</i>)	18,000 - 21,000	
Polyphenols, expr. as catechin (<i>Folin-Ciocalteu</i>)	43 - 59	g CE/100 g

Microbiological Values:

Yeast	≤ 100	CFU/g
Mold	≤ 100	CFU/g
Total Plate Count	≤ 10,000	CFU/g
<i>E. coli</i>	Negative	CFU/g

Packaging: Packed in PE bags inside of PE pails.

Storage: Keep the product well sealed and store in a cool, dry area. Moisture absorption may cause changes in chemical values.

Best Used By: 36 months after production.

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 this information, it is suggest that you evaluate the product on a laboratory scale prior to use in a finished product.