



ARTEMIS
INTERNATIONAL, INC.
From Field To Function™

PRODUCT BULLETIN

BerryDefense™ Immune Support Blend

Product code: 70380219

Date: November 2004

Product Information: The powder is obtained by spray-drying a proprietary blend of chokeberry, elderberry and bilberry concentrates, formulated for its immune stimulating properties.

Physical Values:

Color	Intensely dark red
Appearance	Powder, uniform particles, hygroscopic
Taste	Nearly neutral, acidic
Excipient	Maltodextrin
Mesh size	< 210 micron (> 70 mesh) – min. 98%
Solubility	Soluble in water and water/alcohol mixtures

Chemical Values:

Anthocyanin, expr. as cyanidin-3-glucoside (<i>HPLC</i>)	≥ 10.0	g/100 g
Anthocyanin, expr. as cyanidin-3-glucoside (<i>pH-Diff.</i>)	≥ 11.0	g/100 g
Color Units (<i>abs x dil. 510 nm, pH 1.0</i>)	≥ 8,000	
Moisture	≤ 8	g/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 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.