



**Product Specifications**  
**BerryDefense® Immune Support Blend**  
*(Sambucus nigra, Aronia melanocarpa, Ribes nigrum)*

**Product Code:** 94123101

**Product Description:** High anthocyanin blend of elderberry (*Sambucus nigra*), aroniaberry (*Aronia melanocarpa*), and black currant (*Ribes nigrum*) fruit juice powders and standardized extracts

**Product Properties**

Color	Dark red-purple
Appearance	Powder, uniform particles, hygroscopic
Taste	Characteristic of fruit; astringent
Odor	Characteristic of fruit
Excipient	Maltodextrin (corn-based)
Solubility	Soluble in water and water/alcohol mixtures
Plant part used	Berries (fruit)

**Analytical Values**

**Spec.**

Anthocyanins ( <i>Expr. as cyanidin-3-glucoside; pH-Diff.</i> )	≥ 8	g/100 g
Polyphenols ( <i>Expr. as gallic acid; Folin-Ciocalteu</i> )	≥ 20	g/100 g
Moisture ( <i>Loss on drying; 105° C; 30 sec.</i> )	2.0 – 8.0	%

**Heavy Metals and Pesticides**

**Spec.**

Lead ( <i>ICP-MS</i> )	As reported	ppm
Arsenic ( <i>ICP-MS</i> )	As reported	ppm
Cadmium ( <i>ICP-MS</i> )	As reported	ppm
Mercury ( <i>ICP-MS</i> )	As reported	ppm

**Microbiological Values**

**Spec.**

Yeast and Mold ( <i>AOAC 997.02</i> )	< 500	CFU/g
Total plate count ( <i>AOAC 966.23</i> )	< 10,000	CFU/g
<i>E. coli</i> ( <i>USP &lt;2022&gt;</i> )	Absent	/10 g
<i>Salmonella</i> ( <i>USP &lt;2022&gt;</i> )	Absent	/25 g

**Country of Origin:** United States (manufacturing), Austria, Poland, New Zealand (raw materials)

**Packaging:** Packed in a corrugated box, 5 kg net

**Storage:** The product must be stored in a dark, cool, and dry area. Keep the package well-sealed since the product is hygroscopic. Color may change at the end of shelf life.

**Best Used By:** 36 months after production date under proper storage conditions

*Melanie Bush*

Quality Control

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.