



**Product Specifications**  
**ElderCraft® 14%**  
 Standardized Elderberry Powder 14%  
 (*Sambucus nigra*)

**Product Code: B0120034**

**Product Description:** Pure European black elderberry (*Sambucus nigra*) extract; processed without organic solvent via physical membrane separation and spray-dried with maltodextrin as an excipient; standardized to a minimum anthocyanin content of 14%

**Product Properties**

Color	Intensely dark red-brown
Appearance	Powder, uniform particles, hygroscopic
Taste	Characteristic of elderberry; astringent
Odor	Characteristic of elderberry
Mesh size	> 98% through 60 mesh (< 250 µm)
Excipient	Maltodextrin (organic, corn-based)
Solubility	Soluble in water and water/alcohol mixtures
Extract ratio	64:1
Identity	HPLC anthocyanin profile unique to elderberry
Plant part used	Berries (fruit)

**Analytical Values**

**Spec.**

Anthocyanins ( <i>Expr. as cyanidin-3-glucoside; pH-Diff.</i> )	14.00 – 18.00	g/100 g
Anthocyanins ( <i>Expr. as cyanidin-3-glucoside; HPLC</i> )	12.50 – 17.50	g/100 g
Polyphenols ( <i>Expr. as catechin; Folin-Ciocalteu</i> )	18.00 – 35.00	g/100 g
Polyphenols ( <i>Expr. as gallic acid equivalent; Folin-Ciocalteu</i> )	16.60 – 33.20	g/100 g
Moisture ( <i>Loss on drying; 105° C; 30 sec.</i> )	2.0 – 8.0	%
Total acidity ( <i>Expr. as citric acid; anhydr.; pH 8.1</i> )	9.00 – 19.00	g/100 g

**Heavy Metals and Pesticides**

**Spec.**

Lead ( <i>ICP-MS</i> )	< 0.6	ppm
Arsenic ( <i>ICP-MS</i> )	< 0.5	ppm
Cadmium ( <i>ICP-MS</i> )	< 1	ppm
Mercury ( <i>ICP-MS</i> )	< 0.1	ppm
Pesticides	The processed fruit conforms to the pesticide standards defined in the FDA and EPA regulations.	

**Microbiological Values**

**Spec.**

Yeast ( <i>Sabouraud Agar, 28°C, 5 d</i> )	< 20	CFU/g
Molds ( <i>Sabouraud Agar, 28°C, 5 d</i> )	< 20	CFU/g
Total plate count ( <i>ISO 4833</i> )	< 10,000	CFU/g
<i>E. coli</i> ( <i>COLI ID Agar, 37°C, 24 h</i> )	0	CFU/g
<i>Salmonella</i> ( <i>ISO 6579</i> )	Absent	/25 g

**Country of Origin:** Italy (manufacturing), Austria (raw materials)

**Packaging:** Packed in an aluminum bag in a corrugated box or plastic pail, 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

**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.