

ElderCraft® 14%
Standardized Elderberry Powder 14%
(Sambucus nigra)



**Product Code:** B0120034

## **Product Specification**

**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 (Expr. as cyanidin-3-glucoside; pH-Diff.)	14.00 - 18.00 g/100 g
Anthocyanins (Expr. as cyanidin-3-glucoside; HPLC)	12.50 - 17.50 $g/100 g$
Polyphenols (Expr. as catechin; Folin-Ciocalteu)	18.00 - 35.00 g/100 g
Color units (E 100%; 510 nm; pH 1.0)	10,000 – 12,000
Moisture (Loss on drying; 105° C; 30 sec.)	2.0 - 8.0 %
Total acidity (Expr. as citric acid; anhydr.; pH 8.1)	9.00 - 19.00 $g/100 g$

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

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

Artemis International Inc. 3711 Vanguard Dr Suite A Fort Wayne, IN 46809-3301 Tel: (260)-436-6899 Fax: (260)-478-6900 https://www.artemis-nutraceuticals.com/ Page 1 of 6 Issue Date: 2/5/21 Version Number: 08



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## **Composition Statement**

We hereby certify that, for the above named product, the composition is as follows:

Genus and species: Sambucus nigra

**Plant part used:** Berries

Composition: Elderberry extract and organic maltodextrin Country of origin: Italy (manufacturing), Austria (berries)

Final form: Powder

#### **GMO Statement**

The above named product and any excipients used in the manufacturing process are not genetically engineered.

#### Gluten-Free Statement

The above named product is entirely of fruit/vegetable origin. It is not produced from and does not contain any gluten or gluten byproducts; therefore, it is considered gluten-free.

## **Vegan Statement**

The above named product is entirely of fruit/vegetable origin and is not produced from any animal products or byproducts; therefore it is considered vegan-friendly.

### **BSE/TSE Statement**

The above named product is risk free for BSE/TSE because it is not processed with any meat products or by-products. Furthermore, no meat products or by-products are manufactured or processed on the premises.

### **Irradiation and Sterilization Statement**

The above named product has not been irradiated during the manufacturing process, nor has any chemical sterilization method been used. We also confirm that it has not been exposed to ethylene oxide (EtO) and is considered an EtO-free product. The product has been flash-pasteurized.



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### **Nutritional Profile**

Mean values per 100 g

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Calories (kcal)	343	kcal
Calories (kJ)	1,453	kJ
Fat	0.2	g
Saturated Fat	< 0.2	g
Carbohydrates	76.4	g
Sugars	23.8	g
Protein	6.6	g
Salt	0.050	g

As with any natural material, there may be some variation in the nutritional composition. The following values are being supplied to you to aid in your development work, but should not be used solely to determine your nutrient labeling. You may need to analyze for those nutrients as they occur in your final product as required by the Code of Federal Regulations Title 21; section 101.9.

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# **Allergen Statement**

Description of Allergen	Present in the Product	Source	Present in Other Products Mfg. on the Same Line	Present in the Same Mfg. Plant
Artificial colors/preservatives	No		No	No
Autolyzed yeast	No		No	No
Celery	No		No	No
Cereal proteins (include HVP)	No		No	No
Corn or corn products	Yes		Yes	Yes
Cottonseed flour	No		No	No
Egg or egg products	No		No	No
Fish or fish products	No		No	No
Gluten	No		No	No
Milk or milk-derived products	No		No	No
Mustard or mustard products	No		No	No
Peanuts or peanut products	No		No	No
Seeds or seed products	No		No	No
Sesame or sesame products	No		No	No
Shellfish, crustaceans	No		No	No
Soybeans or soybean products	No		No	No
Sulfites	No		Yes	Yes
Tree nuts (almond, brazil nut, cashew, chestnut,	No		No	No
hazelnut, pine nuts, pistachio, pecan, macadamia,				
walnut)				
Wheat or wheat products	No		No	No
Yeast or yeast products	No		No	No

Effective procedures are in place to avoid cross-contamination of the product with the allergens not present in the product but noted in columns III and IV.

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# **Safety Data Sheet**

Section I	Product and Company Identification		
Product:	ElderCraft® 14%	Product code:	B0120034
Supplier:	Artemis International, Inc.	Phone:	260-436-6899
	3711 Vanguard Dr. – Suite A	Fax:	260-478-6900
	Fort Wayne, IN 46809-3301 USA		
Section II	Hazard Identification		
Food, not a hazardous su	bstance or mixture.		
Physical hazards:	Not classified as a physical hazard		
Health hazards:	Not classified as a health hazard		
Environmental	Not classified as an environmental hazard		
hazards:			
Specific hazards:	Dusts may irritate the respiratory tract, skin, and e	yes.	
Main symptoms:	Upper respiratory tract irritation, coughing, irritati		ranes
Section III	Composition/Ingredients	•	
Ingredients:	Elderberry extract, maltodextrin excipient		
Section IV	First Aid Measures		
Eye contact:	Dusting of powder may cause eye irritation. Flush	eyes with water for 15 minute	es. Get medical attention
•	if symptoms develop and persist.	•	
Skin contact:	Product is not irritating to skin; however, flush wi	th water or soap and water for	15 minutes or until all
	traces have been removed. Seek medical attention		
Inhalation:	Product may cause irritation of the nose and throat		
	needed, seek medical attention.	-	
Ingestion:	Product is not known to result in significant adver	se health effects. If swallowed	l, rinse mouth and throat
	with water. Drink water.		
Section V	Fire Fighting Measures		
Flammability:	Product is not combustible.		
Extinguishing media:	Product is not flammable. Use water, carbon dioxi	de, dry powder extinguisher,	or other media
	appropriate for materials actually involved in fire.		
Special fire fighting	Follow the general fire precautions indicated in the	e workplace.	
procedures:			
Unusual fire and	None		
explosion hazards:			
Section VI	Accidental Release Measures		
Leak and spill	Prevent further spill of material, contain material a		
procedures:	Flush spill area with water spray. CAUTION! Mat		
Personal precautions:	Avoid inhalation of dust and contact with skin and	l eyes. Wear appropriate prote	ective equipment and
	clothing during clean-up.		
Methods for cleaning	Avoid dust formation. Remove small spills with v	acuum cleaner.	
up:			
Environmental	Prevent further leakage or spillage.		
precautions:			
Section VII	Handling and Storage		
Handling procedures:	No special equipment required. Avoid inhalation of		
Hygiene practices:	Follow food GMPs. Avoid contact with skin, eyes		
Storage:	Store in a cool, dry location. Keep container close	d. Normal room ventilation sa	tisfactory.



Section VIII

#### **Technical Data Sheet**

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Section viii	Exposure Controls and Fersonal Frotection
Engineering controls:	Eyewash fountains and safety showers should be easily accessible.

Respiratory protection: Provide adequate ventilation. Respirator not normally required. In case of inadequate ventilation or risk

of inhalation of dust, use suitable respiratory equipment with particle filter.

Protective gloves: Avoid skin contact. Wear gloves for extended or repeat skin contact with powder.

Eye protection: Avoid eye contact. Wear safety glasses while handling powder.

Exposure Controls and Dansonal Drotection

Standard work clothing; wash regularly. Clothing:

Section IX **Physical and Chemical Characteristics** 

> Intensely dark red-brown Boiling point: Appearance: N/A

Odor: Characteristic of elderberry Freezing point: N/A Physical state: Solid Melting point: Not known рН: Not known Vapor pressure: Not known

Solubility in water: Soluble Vapor density: Not known

Density: Not known

Section X Stability and Reactivity

Chemical stability: Stable, no decomposition

Conditions to avoid: None known Materials to avoid: None known None known

Hazardous

decomposition or byproducts:

Hazardous Does not occur

polymerization:

Section XI **Toxicological Information** No known toxic effects from acute or chronic exposure

**Ecological Information Section XII** 

No known environmental impact. Product is biodegradable.

**Section XIII Disposal Information** 

Incinerate or landfill in accordance with local, state, or federal regulations. Waste disposal

method:

**Section XIV Transportation Information** 

Shipping information: Non-hazardous

> **Regulatory Information** Section XV

None

**Section XVI Other Information** 

Prepared: 6.18.19 Last Revision 6.18.19

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the producer's control, and therefore the users are responsible to verify this data under their own particular conditions, applications, and regulations to determine whether the product is suitable for their particular purposes, and they assume all risks of their use, handling, disposal, reliance upon, publication, or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures, or processes.

Quality Control

Melanie Bush

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