



## Product Specifications

### Aroniberry (Chokeberry) Juice Powder (*Aronia melanocarpa*)

**Product Code:** B0190006

**Product Description:** Pure aroniberry (*Aronia melanocarpa*) juice concentrate; spray-dried with maltodextrin as an excipient

#### Product Properties

Color	Pink-red
Appearance	Powder, uniform particles, hygroscopic
Taste	Characteristic of aroniberry
Odor	Characteristic of aroniberry
Mesh size	> 98% through 60 mesh (< 250 µm)
Excipient	Maltodextrin (organic, corn-based)
Solubility	Soluble in water and water/alcohol mixtures
Fruit equivalence	4:1
Identity	HPLC anthocyanin profile unique to aroniberry
Plant part used	Berries (fruit)

#### Analytical Values

		Spec.
Anthocyanins ( <i>Expr. as cyanidin-3-glucoside; pH-Diff.</i> )	0.20 – 0.40	g/100 g
Anthocyanins ( <i>Expr. as cyanidin-3-glucoside; HPLC</i> )	0.16 – 0.38	g/100 g
Color units ( <i>E 100%; 510 nm; pH 1.0</i> )	140 – 240	
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> )	1.60 – 3.00	g/100 g

#### Heavy Metals and Pesticides

		Spec.
Lead ( <i>ICP-MS</i> )	< 1.0	ppm
Arsenic ( <i>ICP-MS</i> )	< 0.5	ppm
Cadmium ( <i>ICP-MS</i> )	< 0.3	ppm
Mercury ( <i>ICP-MS</i> )	< 0.05	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> )	< 3,000	CFU/g
<i>E. coli</i> ( <i>COLI ID Agar, 37°C, 24 h</i> )	0	CFU/g
<i>Salmonella spp.</i> ( <i>ISO 6579</i> )	Absent	/25 g

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

**Packaging:** Packed in an aluminum bag in a plastic pail or corrugated box, 10 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 Assurance

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.

## Customer Approval

*I acknowledge and agree to the above specifications. Any parameters outside of these would not fall within the scope of the product specifications. Please return this specification sheet signed for approval otherwise we consider it accepted.*

Name (print):

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Signature:

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Title:

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Date:

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