



**Product Specifications**  
**Lingonberry Juice Powder**  
*(Vaccinium vitis-idaea)*  
 Country of Origin: Italy



**ARTEMIS**  
 INTERNATIONAL, INC.  
 From Field To Function™

**Product Code:** 70260011  
**Date:** January 2014

**Product Description:** Pure lingonberry (*Vaccinium vitis-idaea*) juice concentrate; spray-dried with maltodextrin as an excipient

**Product Properties**

Color	Pale pink
Appearance	Powder, uniform particles, hygroscopic
Taste	Characteristic of lingonberry
Odor	Characteristic of lingonberry
Mesh size	> 98% through 60 mesh (< 250 µm)
Excipient	Maltodextrin (GMO-free, corn-based)
Solubility	Soluble in water and alcohol/water mixtures
Fruit equivalence	5.2:1
Identity	HPLC anthocyanin profile unique to lingonberry
Plant part used	Berries (juice)

**Analytical Values**

**Spec.**

Color ( <i>E</i> 100%; 520 nm; pH 1.0)	60 – 140	
Moisture ( <i>Loss on drying</i> ; 105° C; 30 sec.)	2.0 – 8.0	%
Total acidity ( <i>Expr. as citric acid</i> ; anhydr.; pH 8.1)	5.20 – 8.80	g/100 g

**Heavy Metals and Pesticides**

**Spec.**

Lead ( <i>ICP-MS</i> )	≤ 0.3	ppm
Arsenic ( <i>ICP-MS</i> )	< 0.5	ppm
Cadmium ( <i>ICP-MS</i> )	< 0.1	ppm
Mercury ( <i>ICP-MS</i> )	< 0.05	ppm
Pesticides	Pesticide standards defined in the EC Regulations n. 396/2005, n. 149/2008, and n. 839/2008	

**Microbiological Values:**

**Spec.**

Yeast	< 10	CFU/g
Molds	< 20	CFU/g
Total plate count	< 10,000	CFU/g
<i>E. coli</i>	Negative	CFU/g
<i>Salmonella</i>	Negative	CFU/25 g

**Packaging:** Packed in pails of 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

*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.