



## PhytoClean™ Blackcurrant

<b>Ingredient</b>	Blackcurrant Extract
<b>Scientific Name</b>	<i>Ribes nigrum</i>
<b>Plant Part Used</b>	Whole fruit, pomace
<b>Plant Origin</b>	British Columbia, Canada
<b>Extraction Solvent</b>	Low Polarity Water
<b>Carrier Used</b>	None
<b>Preservative Used</b>	None
<b>Extraction Location</b>	British Columbia, Canada

### Sensory Quality

	Specification	Method
Aspect	Free flowing powder	Visual
Color	Dark Blue	Visual
Flavor	Characteristic	Gustatory
Odor	Characteristic	Olfactory

### Analytical Quality

	Specification	Method
Anthocyanins	2 to 8 %	AOAC 2005.02
Moisture	≤ 8%	AACCI 44-40.01
Residual Organic Solvents	0%	USP-NF <467>
Particle Size Through 40 Mesh	100 %	USP





### Microbiological Counts

	Specification	Method
Total Plate Count	≤1,000 CFU/g	USP 37 <2021>
Yeast and Molds	≤100 CFU/g	USP 37 <2021>
<i>Salmonella</i>	Negative	USP 37 <2022>
<i>Escherichia coli</i>	Negative	USP 37 <2022>
<i>Staphylococcus aureus</i>	Negative	USP 37 <2022>

### Heavy Metals

	Specification	Method
Arsenic	≤ 1.0 ppm	ICP-MS
Cadmium	≤ 1.0 ppm	ICP-MS
Mercury	≤ 0.10 ppm	ICP-MS
Lead	≤ 2.0 ppm	ICP-MS

**Storage Conditions** Store in a tightly sealed container, in a cool room (< 25°C), sheltered from light, moisture, and oxygen.

**Recommended Handling conditions** This product is hygroscopic and will absorb moisture if left exposed to the atmosphere. Handling at less than 40% relative humidity is recommended.

- Quality Statements**
- No organic solvents were used in the production of this ingredient.
  - This ingredient does not contain any Genetically Modified Organisms.
  - This ingredient is not treated with ETO or gamma irradiation.
  - This ingredient qualifies for vegan status. During processing and in the final make-up, no ingredient(s) is (are) added or derived from any animal sources.

Last Update: 05/02/2017  
Version: 2.0

