



**Product Specifications**  
 Standardized Black Currant Powder,  
 20% (pH-Diff)  
 (*Ribes nigrum*)



**Product Code:** 24140100

**Product Description:** Pure black currant (*Ribes nigrum*) extract; processed with ethanol as an extract solvent and spray-dried; standardized to a minimum anthocyanin content of 20% (by pH-Differential method)

**Product Properties**

Color	Dark purple
Appearance	Powder, uniform particles, hygroscopic
Taste	Characteristic of black currant; astringent
Odor	Characteristic of black currant; astringent
Mesh Size	≥ 95% through 80 mesh (≤ 180 μm)
Excipient	None
Extract Ratio	90:1
Identity	HPLC anthocyanin profile unique to black currant
Plant part used	Berries (whole fruit)

**Analytical Values**

**Spec.**

Anthocyanins ( <i>Expr. as cyanidin-3-glucoside; pH-Diff</i> )	≥ 20.0	%
Polyphenols ( <i>Expr. as gallic acid; Folin-Ciocalteu</i> )	≥ 30.0	%
Moisture	≤ 5	%
Ethanol residue	≤ 500	ppm

**Heavy Metals and Pesticides**

**Spec.**

Lead	< 0.3	ppm
Cadmium	< 2	ppm
Mercury	< 0.2	ppm
Arsenic	< 1	ppm

**Microbiological Values**

**Spec.**

Yeast and Mold	≤ 100	CFU/g
Total plate count	≤ 1,000	CFU/g
<i>E. coli</i>	Absent	/10 g
<i>Salmonella</i>	Absent	/10 g

**Country of Origin:** New Zealand (raw material); China (finished product)

**Packaging:** Packed in aluminum bag in corrugated box of 5 or 20 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.