



PhytoClean™

# PRODUCT SPECIFICATIONS

+1 (604) 337-1578

## PhytoClean™ Merlot

<b>Ingredient</b>	Merlot Extract
<b>Scientific Name</b>	<i>Vitis vinifera var Merlot</i>
<b>Plant Part Used</b>	Whole Fruit
<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

DESCRIPTION	SPECIFICATION	METHOD
Aspect	Free flowing powder	Visual
Color	Maroon	Visual
Flavor	Characteristic	Gustatory
Odor	Characteristic	Olfactory

### Analytical Quality

DESCRIPTION	SPECIFICATION	METHOD
Proanthocyanidins (PACs)	≥10%	BL-DMAC
Total Polyphenols	≥16%	FC/Spec
Moisture	≤8%	AACCI 44-40-40.01
Residual Organic Solvents	0%	USP-NF<467>
Particle Size Through 40 Mesh	100%	USP





## Microbiological Counts

DESCRIPTION	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

DESCRIPTION	SPECIFICATION	METHOD
Totals	≤ 5.0 ppm	ICP-MS
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, sheltered from light, moisture, and oxygen.

- Quality Statements**
- This ingredient does not contain any Genetically Modified Organisms.
  - This ingredient is not treated with ETO or gamma irradiation.
  - No organic solvents were used in the production of this ingredient.
  - 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.

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