



PRODUCT SPECIFICATION					
Cultivated Blackberry Juice Concentrate					
Code: ETBBJC01	Version: 02	Last 05/2017	Revision:	Written Certifications responsible.	by: Approved by: Quality Manager

### Product Description


100% Cultivated blackberry juice concentrate, made of sound and mature blackberries (*Rubus fruticosus*), which have been pressed, depectinized, filtered, concentrated and packed.

The product development process is carried out under strict hygiene standards, complying with Good Manufacturing Practices, HACCP, and BRC systems.

### Raw Material Varieties

Navajo, Boysen and other varieties.

### Physical and Chemical Parameters



Brix	:	65 ± 1.0	°Brix
Acidity	:	3.0 - 9.0	% w/w Citric Acid
pH	:	2.8 - 3.8	AD
Color	:	> 10	Abs @ 520 nm at 10 °Brix
Ratio color	:	> 1.6	Abs@520 / Abs@430
Turbidity	:	< 80	N.T.U. at 10 °Brix
Specific Gravity	:	1.31	at 20°C
Pectin	:	Negative	% (Acidified Alcohol Test)
Insoluble Solids	:	Negative	% (Centrifugation)

### Microbiological Parameters

Total Plate Count	:	< 100	cfu /gr (TPC Agar)
Yeasts and Molds	:	< 10	cfu /gr (PDA Agar)
Coliforms	:	Negative	cfu /10 gr (VRB Agar)
A.C.B.	:	Negative	cfu /10 gr (BAT Agar)

### Sensory Properties

Flavor	:	Aromatic, typical blackberry
Color (visually)	:	Typical blackberry
Taste	:	Sweet and slightly acid. No cooked or caramelized

### Packing

Open head steel drums	:	60	US gal
		299.5	Kg

### Shelf life

Shelf life	:	24	months
If stored at	:	-18 / 0	°C / °F

### Lettering:

Each unit is labeled with the following information: Name of manufacturer, product name, batch number, Production date, product code, net weight, gross weight.



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**GMO:**

This product contains no material derived from genetically modified organisms.

**Allergens:**

100% natural contains no allergens ingredients.

**Heavy metals and Pesticides:**

This product fulfills the Mrl and tolerances according to regulation of destination markets.

**Health Benefits**

Blackberries have a high content of tannins, which tighten tissue, lesson minor bleeding, and may help to alleviate diarrhea, intestinal inflammation, and hemorrhoids. Blackberries abound in anthocyanin pigments, may impart health benefits because of their antioxidant properties. Additional antioxidants in blackberries are vitamins C and E, and ellagic acid, all may provide protection against cancer and chronic disease. As source of phytochemicals such as ellagic acid and lycopene, helps to prevent the cell damage that may lead to cancer.

Blackberries with their high fiber content reduce the risk of developing diabetes and intestinal diseases such as diverticulosis, as well as fight against the obesity.

**Revision history**

05/2015: Format change, version and responsables.