	Title:	211804 PURPLE ELDERBERRY JUICE CONCENTRATE	Scope	Global
			Origination	Operations
			Issued	7/3/17
	By	Alex Velte	Supersedes	4/26/16

Customer Product Specification

Elderberry Juice Concentrate is processed from quality elderberries to retain the characteristic flavor and color of the whole fruit. All shipments will meet the following specifications.

Brix 65° +/- 1° Brix

pH 3.2 – 4.2

Titrateable Acidity

0.53 - 1.06% wt/vol as citric at 11°

3.0 - 6.0% wt/wt as citric at 65°

Color 1.8 – 2.8 absorbance at 520nm at 11°
1.3 minimum Color Ratio (520nm/430nm)

Flavor Typical of Elderberry

Foreign Materials None

Microbiological

TPC 2000 cfu/ml, maximum

Yeast 1000 cfu/ml, maximum

Mold 50 cfu/ml, maximum

Ingredients Elderberry Juice Concentrate

Packaging 52 gallon open top metal drums, or as specified

Additives None

Storage Recommend 0° F maximum for storage and shipping

Regulation

Kosher
Chicago Rabbinical Council



Reconstitution 1 part concentrate + 6.46 parts water to 11°

Revised by	Courtney Doolin-Lusk	Page 1 of 3	G	211804
<p><i>Property of Northwest Naturals LLC</i></p> <p><i>This document is confidential. Unauthorized duplication or distribution without written permission is prohibited. All paper copies are uncontrolled.</i></p>				

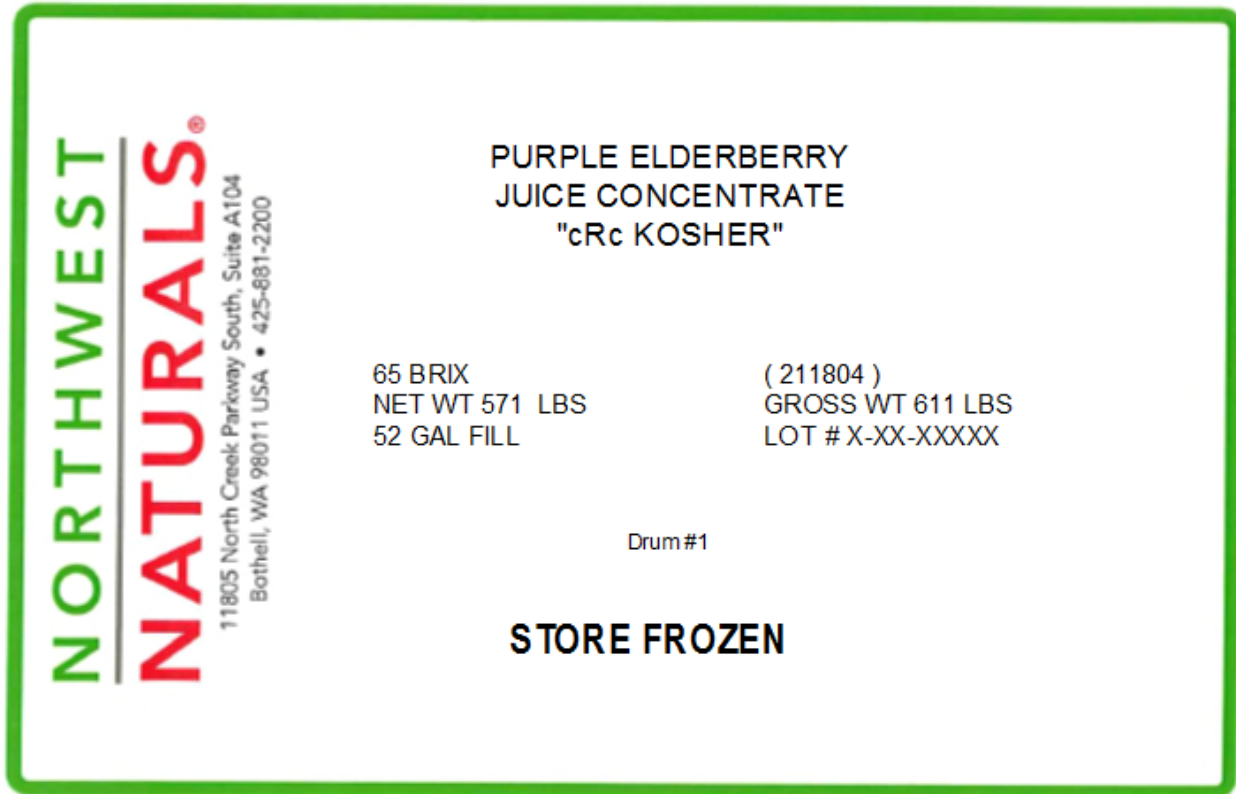
NORTHWEST NATURALS®	Title:	211804 PURPLE ELDERBERRY JUICE CONCENTRATE	Scope	Global
			Origination	Operations
			Issued	7/3/17
	By	Alex Velte	Supersedes	4/26/16

Nutrition

	Amount/100g
Calories	220
Fat	0.1 g
Carbohydrate	39 g
Dietary Fiber	0.6 g
Protein	11 g
Calcium	190 mg
Sugar	39 g
Sodium	12 mg


*values not listed are zero

Label Example



"The product shall be prepared, processed, packaged, and delivered in accordance with current good manufacturing practices and under strict sanitary conditions. Standards of identity and label statements for consumer products are the sole responsibility of the customer."

Revised by	Courtney Doolin-Lusk	Page 2 of 3	G	211804
<p><i>Property of Northwest Naturals LLC</i></p> <p><i>This document is confidential. Unauthorized duplication or distribution without written permission is prohibited. All paper copies are uncontrolled.</i></p>				

	Title:	211804 PURPLE ELDERBERRY JUICE CONCENTRATE	Scope	Global	
	By		Alex Velte	Origination	Operations
				Issued	7/3/17
			Supersedes	4/26/16	

Approvals/Modifications

<u>Date</u>	<u>Person(s)</u>	<u>Changes made</u>
4/26/16	Alex Velte	Created
7/3/17	Courtney Doolin-Lusk	Updated the nutritional panel

Revised by	Courtney Doolin-Lusk	Page 3 of 3	G	211804
<p><i>Property of Northwest Naturals LLC</i></p> <p><i>This document is confidential. Unauthorized duplication or distribution without written permission is prohibited. All paper copies are uncontrolled.</i></p>				