

<b>NORTHWEST NATURALS</b>	Title:	<b>210105 APPLE JUICE CONCENTRATE</b>	Scope	Global
			Origination	Operations
			Issued	1/15/17
	By	Alex Velte	Supersedes	1/3/17

## Customer Product Specification

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

**Brix** 70° +/- 1 Brix

**pH** 3.2 - 4.2

### Titrateable Acidity

0.26 - 0.39 % wt/vol as malic at 11.5°

1.5 - 2.3% wt/wt as malic at 70°

**Clarity** 90% T minimum at 625nm at 11.5°

**Color** 0.6 abs maximum @ 430 nm at 11.5°

**Flavor** Typical of apple

**Foreign Materials** None

### Microbiological

#### Frozen

TPC 2000 cfu/ml, maximum

Yeast 1000 cfu/ml, maximum

Mold 50 cfu/ml, maximum

Patulin 50 ppb, maximum at 11.5°

#### Aseptic

TPC 200 cfu/ml, maximum

Yeast 100 cfu/ml, maximum

Mold 20 cfu/ml, maximum

Patulin 50 ppb, maximum at 11.5°

**Ingredients** Apple Juice Concentrate

**Packaging** 52 gallon open top metal drums or as specified

**Storage** Frozen: 0° F maximum for shipping & storage  
Aseptic: 32° F maximum for shipping & storage

**Shelf Life** 1 year if unopened and stored at recommended temperatures

### Regulation

Kosher  
Chicago Rabbinical Council



**Reconstitution** 1 part concentrate + 6.86 parts water to 11.5°

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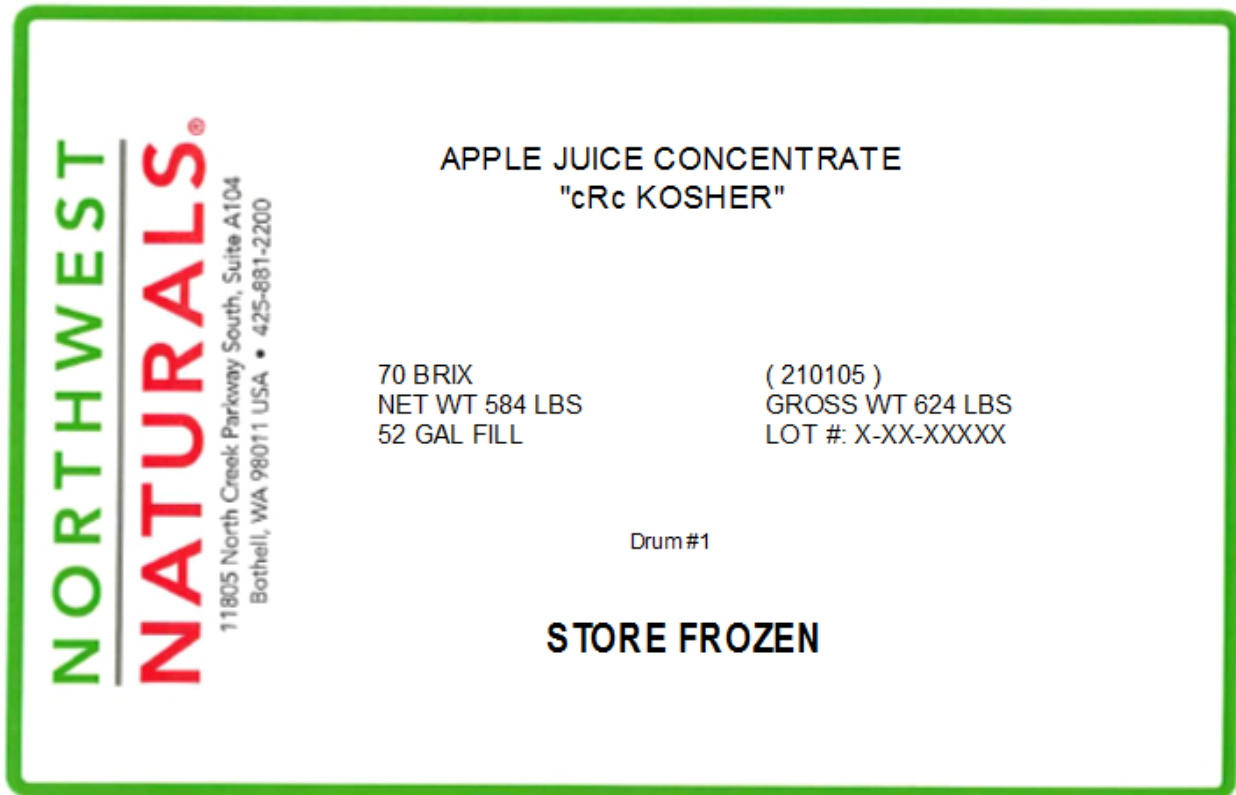
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**Nutrition**

	<b>Amount/100g</b>
<b>Calories</b>	<b>269</b>
<b>Fat</b>	<b>0.1 g</b>
<b>Carbohydrate</b>	<b>68 g</b>
<b>Protein</b>	<b>0.2 g</b>
<b>Calcium</b>	<b>23 mg</b>
<b>Sugar</b>	<b>66 g</b>
<b>Sodium</b>	<b>24 mg</b>
<b>Vitamin C</b>	<b>0.8 mg</b>
<b>Potassium</b>	<b>658 mg</b>
<b>Vitamin A</b>	<b>50 IU</b>
<b>Iron</b>	<b>0.7 mg</b>
<b>Moisture</b>	<b>29.7 g</b>
<b>Ash</b>	<b>1.5g</b>

\*values not listed are zero

**Label Example**



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"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."

### Approvals/Modifications

Date	Person(s)	Changes made
4/25/16	Alex Velte	Created
1/3/17	Courtney Doolin-Lusk	Updated nutritional panel
1/15/17	Courtney Doolin-Lusk	Corrected typo in storage section

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