	Title:	<b>303401 CLARIFIED ORANGE JUICE CONCENTRATE</b>	Scope	Global	
	By		Alex Velte	Origination	Operations
				Issued	5/8/17
			Supersedes	4/26/16	

## Customer Product Specification

**Clarified Orange Juice Concentrate** is processed and clarified from quality oranges to retain the characteristic flavor of the whole fruit. All shipments will meet the following specifications.

**Brix** 58° +/- 1° Brix (Acid Corrected)

**pH** 3.4 - 4.4

### Titrateable Acidity

0.49 - 0.98 % wt/vol as citric at 11.8°

2.3 - 4.6 % wt/wt as citric at 58°

**Brix/Acid Ratio** 12-25

**Clarity** 90% minimum T 625nm at 11.8°

**Color** 0.60 maximum absorbance at 430nm at 11.8°.

**Flavor** Typical of orange

**Additives** None

### Microbiological

TPC 2000 cfu/ml, maximum

Yeast 1000 cfu/ml, maximum

Mold 50 cfu/ml, maximum

**Ingredients** Clarified Orange Juice Concentrate

**Shelf Life** 1 year, if stored and shipped at 0° F maximum

**Storage** 0° F maximum for storage and shipping.

### Regulation

Kosher  
Chicago Rabbinical Council



**Reconstitution for 100% Juice** 1 part concentrate + 5.0 parts water to 11.8°

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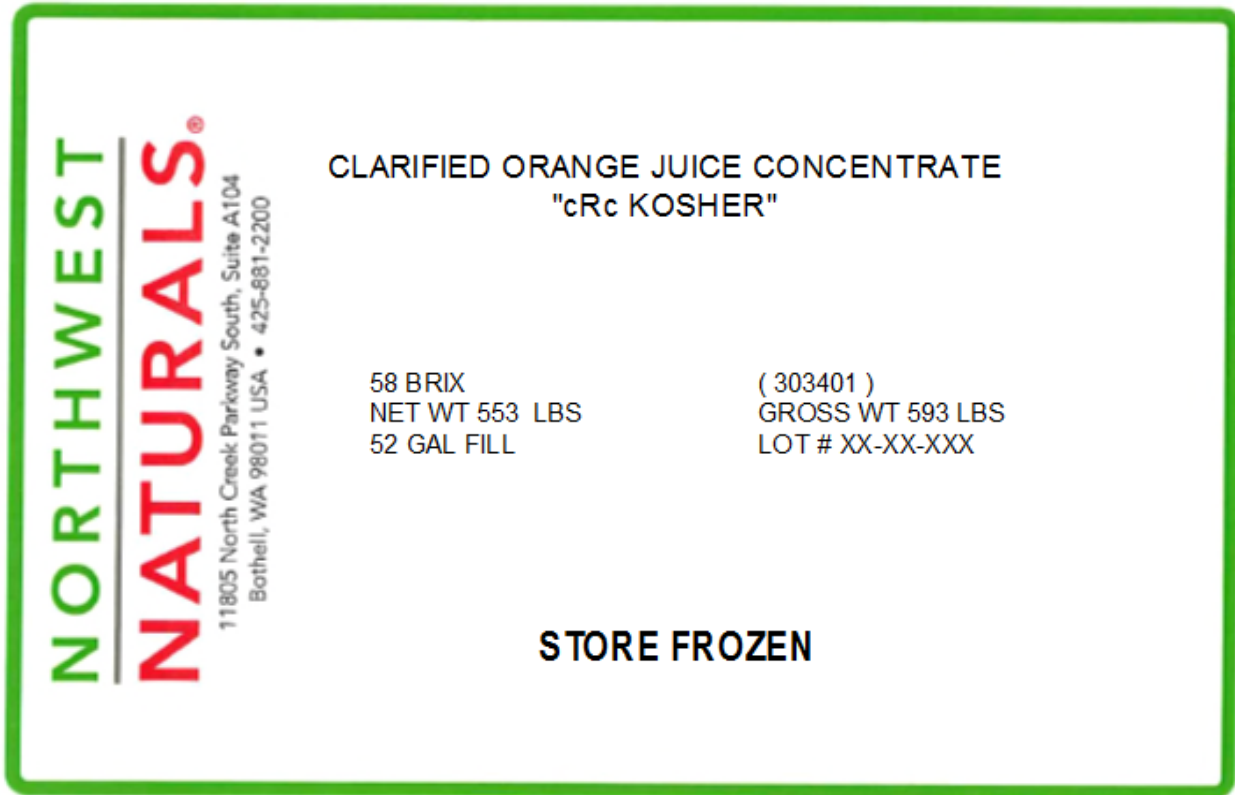
<b>NORTHWEST NATURALS®</b>	Title:	<b>303401 CLARIFIED ORANGE JUICE CONCENTRATE</b>	Scope	Global
			Origination	Operations
			Issued	5/8/17
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**Nutrition**

	<b>Amount/100g</b>
<b>Calories</b>	<b>232</b>
<b>Fat</b>	<b>0 g</b>
<b>Carbohydrate</b>	<b>61 g</b>
<b>Protein</b>	<b>0 g</b>
<b>Calcium</b>	<b>51 mg</b>
<b>Sugar</b>	<b>60 g</b>
<b>Sodium</b>	<b>5 mg</b>
<b>Vitamin C</b>	<b>220 mg</b>
<b>Vitamin A</b>	<b>604 IU</b>
<b>Potassium</b>	<b>1073 mg</b>
<b>Iron</b>	<b>0.6 mg</b>


\*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."

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**Approvals/Modifications**

<u>Date</u>	<u>Person(s)</u>	<u>Changes made</u>
4/26/16	Alex Velte	Created
5/8/17	Courtney Doolin-Lusk	Updated nutritional panel

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