	Title:	<b>303806</b> <b>CLARIFIED PINEAPPLE JUICE CONCENTRATE</b> <b>ESSENCE RETURNED</b>	Scope	Global	
	By		Alex Velte	Origination	Operations
				Issued	11/27/17
			Supersedes	4/26/16	

**Customer Product Specification**

**Clarified Pineapple Juice Concentrate** is obtained by mechanical process from the trimmings of sound, ripe pineapple. This extracted juice is clarified and evaporated to 70° Brix, and essence has been returned. The product will meet the following specifications.

**Brix** 70° +/- 1° Brix

**pH** 3.2 - 4.2

**Titrateable Acidity**

0.41 - 0.80% wt/vol as citric at 12.8°

2.1 – 4.2% wt/wt as citric at 70°

**Brix/Acid Ratio** 16 - 34

**Clarity** 80% minimum T at 625nm at 12.8°

**Color** 0.50 abs maximum at 430 nm at 12.8°

**Flavor** Typical of pineapple

**Foreign Materials** None

**Microbiological**

TPC 2000 cfu/ml, maximum

Yeast 1000 cfu/ml, maximum

Mold 50 cfu/ml, maximum

**Ingredients** Clarified Pineapple Juice Concentrate

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

**Additives** None

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

**Shelf Life** 1 year, if unopened and kept frozen

**Regulation**

Kosher  
Chicago Rabbinical Council



**Reconstitution** 1 part concentrate + 6.02 parts water to 12.8°

Revised by	Courtney Doolin-Lusk	Page 1 of 3	G	303806
<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>				

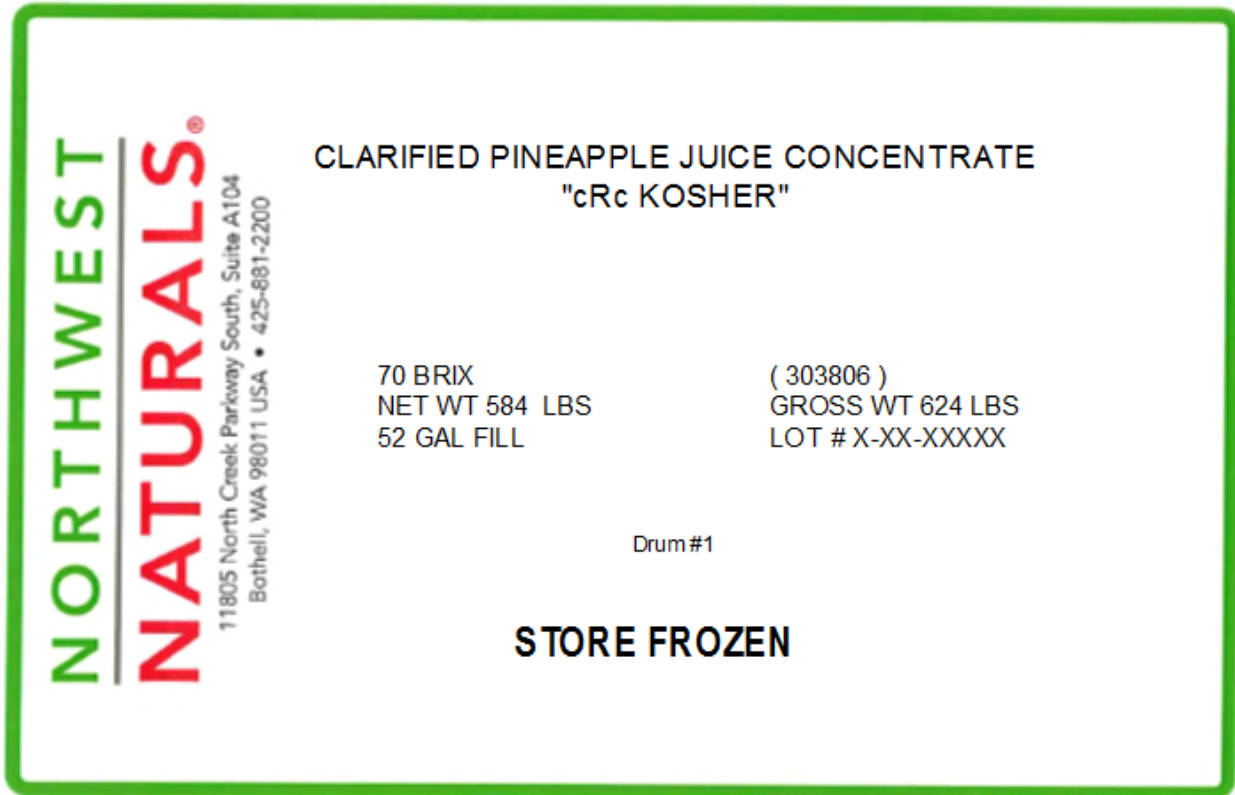
<b>NORTHWEST NATURALS®</b>	Title:	<b>303806 CLARIFIED PINEAPPLE JUICE CONCENTRATE ESSENCE RETURNED</b>	Scope	Global
	By	Alex Velte	Origination	Operations
			Issued	11/27/17
			Supersedes	4/26/16

**Nutrition**

<b>Amount/100g</b>	
<b>Calories</b>	<b>266</b>
<b>Fat</b>	<b>0 g</b>
<b>Carbohydrate</b>	<b>65 g</b>
<b>Dietary Fiber</b>	<b>1.3 g</b>
<b>Sugar</b>	<b>57 g</b>
<b>Protein</b>	<b>1.6 g</b>
<b>Sodium</b>	<b>30 mg</b>
<b>Calcium</b>	<b>81 mg</b>
<b>Iron</b>	<b>1.6 mg</b>
<b>Potassium</b>	<b>718 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."

Revised by	Courtney Doolin-Lusk	Page 2 of 3	G	303806
<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:	<b>303806</b> <b>CLARIFIED PINEAPPLE JUICE CONCENTRATE</b> <b>ESSENCE RETURNED</b>	Scope	Global
			Origination	Operations
			Issued	11/27/17
	By	Alex Velte	Supersedes	4/26/16

**Approvals/Modifications**

Date	Person(s)	Changes made
4/26/16	Alex Velte	Created
11/27/17	Jennifer Elling	Added E/R to title, description.
11/27/17	Courtney Doolin-Lusk	Updated color, acid, micros, packaging Updated nutritional panel and released

Revised by	Courtney Doolin-Lusk	Page 3 of 3	G	303806
<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>				