

# TECHNICAL DATA SHEET

## TEXAS ORANGE CONCENTRATE FOR MANUFACTURING



### DESCRIPTION

Our Texas Orange Juice Concentrate is produced from 100% fresh, Texas oranges (Citrus sinensis), using advanced concentration methods to preserve the bright flavor, natural sweetness, and rich color of the fruit. Manufactured under strict quality controls, this product is intended for further manufacturing use only and is not ready-to-eat (RTE).

**Country of Origin:** United States of America, 100% Texas



### Technical Data

ORGANOLEPTIC			
Aroma	Typical of orange juice. No fermented or caramelized odors.		
Color	(19-20 points) Typical of Orange.		
Defects	Practically Free (18-20 points)		
Flavor	(54-60 points) Typical, mature oranges with no off notes or caramelized flavors.		
PHYSICAL			
	Target	Min	Max
Brix (corrected for acidity)	63.00	62.25	64.50
Titratable Acidity (% Citric Acid)	2.15	1.25	3.75
Brix/Acid Ratio	29	17	50
pH Value	3.5	4.5	
Free and Suspended Pulp	12%	8%	14%
Recoverable Oil (Scott Method)	0.002%	0.020%	
Color (Hunter CR Value)	37	32.5	42
Howard Mold Count		10%	
MICROBIOLOGY			
Standard Plate Count (SPC or TPC)	5000 cfu/g		
Yeast and Mold	500 cfu/g		
Coliforms	Negative		
Heat Resistant Molds (HRM)	Negative		
TAB	<1 cfu/mL for guaiacol positive bacillus		
HEAVY METALS & PESTICIDES			
Lead	0.01	PPM	
Arsenic	0.1	PPM	

Pesticides comply with both USA and EU regulations, ensuring they meet safety limits set by both jurisdictions. Analysis Available upon request.

### Compliance

- ✓ FDA Compliance
- ✓ HACCP System
- ✓ GFSI accredited by BRCGS.
- ✓ Codex Standard 45-1981
- ✓ AIJN Standard 6.1
- ✓ Kosher Certified
- ✓ Fully Traceable Product
- ✓ 100 % Natural
- ✓ Gluten Free
- ✓ Allergen Free

### Nutritional

#### Nutrition Facts

Serving Size 100g		
Amount Per Serving		
<b>Calories</b>	<b>205</b>	
100 g	% Daily Value *	
Total Fat	0 g	0 %
Saturated Fat	0 g	0 %
Trans Fat	0 g	
Cholesterol	0 mg	0 %
Sodium	9 mg	0 %
Total Carbohydrate	48 g	17 %
Dietary Fiber	1 g	4 %
Total Sugars	44 g	88 %
Includes ___g Added Sugars ___%		
Protein	3 g	
Vitamin D	0 mcg	0 %
*Calcium (Ca)	83 mg	6 %
*Iron (Fe)	0 mg	0 %
Potassium	911 mg	19 %
Magnesium	--	--
Copper	--	--
Zinc	--	--

\*The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2000 calories a day is used for general nutrition advice.

\*Analytical results captured from 3rd party lab in 2023

# Packaging and Storage

## Drums



**Packaging:** Open head steel drums 55 gallons, 52 gallons net fill with two food grade blue tinted polyethylene liners. Net weight ~ 574 lbs. (260 kg)

**Storage:** Kept in Original Packaging at <0°F (<-18°C)

**Shelf Life:** 36 months at recommended conditions

**Labeling:** Label is placed overhanging from the inside of the drum secured by the lid and ring of the drum to avoid from it falling off. Label complies with international labeling regulations. Label sample is on the right which indicates what the drum tag includes.

RIO GRANDE JUICE CO. 702 E EXPRESSWAY 83 MISSION, TX 78572	
FROZEN TEXAS ORANGE JUICE CONCENTRATE STORE AT <-18°C (<0°F ) PRODUCT OF USA RGJ CODE: TC4300-D	
④ 52 GAL 196.8 L	
FILL DATE 03/13/2025 EXP DATE 03/13/2028	
LOT S25072-01	
DRUM # 772463 	
GROSS LB	kg
<b>596.8</b>	270.7
TARE LB	kg
<b>27.8</b>	12.6
NET LB	kg
<b>569.0</b>	258.1
CORR BRIX <b>64.45</b>	
ACID <b>3.26</b>	
RATIO <b>19.76</b>	

\*\*Drum Label Sample\*\*

## Tankers



**Packaging:** Food Grade Bulk Tankers. ~ 4,400 Gallons

**Documentation:** Tankers are sent with proper documentation with the driver and sent through email as per request. The documents sent are as follow:

- Bill of Lading with seals
- Tank Wash Report
- Scale ticket
- Certification of Analysis
- Three previous loads

**Loading Temp:** 21°F (-6.1 °C)

**Storage:** Bulk Tanker at <45°F (<7°C)

**Shelf Life:** 7 days with tanker recommended conditions.

## Product Numbers

This technical data sheet applies to the following Product Numbers:

- TC4300-S - W1042207
- TC4300-U - W1042209
- SB4300-D - W1042206
- TC4300-T - W1042208
- TC4100-D - W1075720

## Lot Code Explanation

Our bulk products are assigned a unique code at the time of manufacturing. Each batch will be identified by a code that looks like "T23310-01 or P23319-01 or S22333-09".

These codes are assigned by the quality assurance lab. The letters designate the origin of the batch:

- P- Production
- T- Tanker
- S- Sales Blend

The numeric portion is composed of the last two numbers of the year (23), the Julian day (310), and after the hyphen the batch number for the day (-01).

The format follows: PYYDDD-BB where P represents the origin, YY the year, DDD the Julian day, and BB the batch number.

## COA Example



### Quality Assurance Department Certificate of Analysis

Product Identification  
Lot Number  
Production Date:  
Expiration Date

W1042207-TC4300-S Orange Concentrate Silo  
P25080-02  
03/21/2025  
03/21/2028

Analysis	RGJC Laboratory Analysis	UOM	Specifications Min	Max
Uncorrected Brix (AOAC 983.17)	63.91	EA	62.00	64.50
pH Value (AOAC 964.24)	4.83	EA	3.50	4.50
% Acid (as citric) (AOAC 942.15)	0.82	PCT	1.25	3.70
Brix, Corrected (AOAC 983.17)	64.08	EA	62.25	64.50
Brix/Acid Ratio (USDA AMS)	78.14	EA	17.00	50.00
% Oil (Scott Oil Method)	0.012	PCT	0.0020	0.0200
Suspended Pulp (USDA AMS)	14	PCT	8	14
CR Value (Hunter Value)	21.9	EA	20.00	80.00
CY Value (Hunter value)	21.54	EA	0.00	100.00
Citrus N Value (Hunter Value)	33.94	EA	32.50	42.00
Color Score (USDA AMS)	36	EA	35	40
Light Filt (USDA AMS)	None			
Defect Description	None			
Defect Score (USDA AMS)	20	EA	18	20
Flavor Description	Typical			
Flavor Score (USDA AMS)	33	EA	34	40
Grade Score (USDA AMS)	89	EA	87	100
USDA Grade	SS - Ratio			
Vitamin C (AOAC 939.13 & 966.18)	362	MGL	300.00	700.00
Viscosity	9250	CPS	0	25000
Howard Mold Count (USDA AMS)	0	PCT	0	10
Gelation	0 - None			
Enzymatic Separation				
Customer Name				
Total Plate Count (FDA BAM No. 3 on OSA)	180	CFU	0	5000
Yeast (FDA BAM 18)	0	CFU	0	500
Molds (FDA BAM 18)	0	CFU	0	500
Coliform	Negative			

Customer Remarks:

A handwritten signature in blue ink, appearing to read "J. H." or "John H.".

Designated Supplier Signature:

Title:

Issue Date:

Rio Grande Juice Company - 702 E. Interstate Hwy 2, Mission, TX 78572 - (956) 598-6800

FSQA Supervisor

06-06-2025 15:07:47

## Customer Acceptance of Specifications

Rio Grande Juice Company has presented the Customer with specifications for TEXAS ORANGE CONCENTRATE FOR MANUFACTURING, and this Agreement formalizes the acceptance of these specifications. Both parties acknowledge that they have reviewed and approved the specifications.

### RIO GRANDE JUICE COMPANY



Approver Signature:   
Approver Printed Name: LUIS HERNANDEZ  
Approver Position: FSQA SUPERVISOR  
Date: 6/6/2025

### CUSTOMER

Customer Name: \_\_\_\_\_  
Approver Signature: \_\_\_\_\_  
Approver Printed Name: \_\_\_\_\_  
Approver Position: \_\_\_\_\_  
Date: \_\_\_\_\_

\*\*Any modifications or amendments to the approved specifications must be agreed upon in writing by both parties\*\*

This document contains confidential proprietary information and is not to be shared with others without explicit authorization from Rio Grande Juice Company.