

TECHNICAL DATA SHEET

RED GRAPEFRUIT CONCENTRATE FOR MANUFACTURING



DESCRIPTION

Our Red Grapefruit Concentrate Juice is a high-quality, concentrate juice that is extracted from 100% Texas red grapefruits (*Citrus paradisi*). Fruit is processed and using advanced techniques, this concentrate retains the natural essence, vibrant color, and refreshing taste of freshly squeezed grapefruits. Product is intended for further manufacturing, not RTE.

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



Technical Data

ORGANALEPTIC			
Aroma	Typical of red grapefruit juice. No fermented or caramelized odors.		
Color	(19-20 points) Typical of Rio Red grapefruit.		
Defects	Practically Free (18-20 points)		
Flavor	(54-60 points) Typical, mature grapefruit with no off notes or caramelized flavors.		
PHYSICAL			
	Target	Min	Max
Brix (corrected for acidity)	64.5	62.5	66.5
Titratable Acidity (% Citric Acid)	5.5	4.4	7.0
Brix/Acid Ratio	11	9.5	14
pH Value		4.0	
Free and Suspended Pulp	8%	6%	10%
Recoverable Oil (Scott Method)		0.020%	
Color (Hunter CR Value)	78	70	90
Howard Mold Count		10%	
MICROBIOLOGY			
Standard Plate Count (SPC or TPC)	5000 cfu/g		
Yeast and Mold	2000 cfu/g		
Coliforms	Negative		
Heat Resistant Molds (HRM)	Negative		
TAB	<1 cfu/mL for guaiacol positive bacillus		
HEAVY METALS & PESTICIDES			
Lead	0.05 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 247-2005
- ✓ AIJN Standard 6.2
- ✓ Kosher Certified
- ✓ Fully Traceable Product
- ✓ 100 % Natural
- ✓ Gluten Free
- ✓ Allergen Free

Nutritional

Nutrition Facts	
Serving Size 100g	
Amount Per Serving	
Calories	195
100 g	% Daily Value *
Total Fat	0 g 0 %
Saturated Fat	0 g 0 %
Trans Fat	0 g 0 %
Cholesterol	0 mg 0 %
Sodium	8 mg 0 %
Total Carbohydrate	45 g 16 %
Dietary Fiber	0 g 0 %
Total Sugars	42 g 84 %
Includes _g Added Sugars _%	
Protein	3 g
Vitamin D	0 mcg 0 %
*Calcium (Ca)	67 mg 5 %
*Iron (Fe)	0 mg 0 %
Potassium	861 mg 18 %
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 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 RED GRAPEFRUIT CONCENTRATE JUICE STORE AT <-18°C (<0°F) PRODUCT OF USA RGJ CODE: SB4100-D	
① 52 GAL 196.8 L	
FILL DATE 05/31/2023 EXP DATE 05/31/2026	
LOT S23151-04	
DRUM # 764772	
GROSS LB 605.4	kg 274.6 CORR BRIX 63.16
TARE LB 31.2	kg 14.2 ACID 4.94
NET LB 574.2	kg 260.5 RATIO 12.78

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:

- TC4100-B
- TC4100-T
- SB4100-D
- SB4100-S
- TC4100-S
- TC4100-U
- SB4100-P
- SB4100-T

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	W1042186-TC4100-S Red Grapefruit Concentrate Silo		
Lot Number	P23319-01		
Production Date:	11/15/2023		
Expiration Date	11/15/2026		

Analysis	RGJC Laboratory Analysis	UOM	Specifications Min	Max
Uncorrected Brix (AOAC 983.17)	63.44	EA	62.00	66.00
pH Value (AOAC 964.24)	3.46	EA	3.00	4.20
% Acid (as citric) (AOAC 942.15)	6.16	PCT	3.45000	9.50000
Brix, Corrected (AOAC 983.17)	64.62	EA	62.50	66.50
Brix/Acid Ratio (USDA AMS)	10.49	EA	7.00	18.00
% Oil (Scott Oil Method)	0.0112	PCT	0.0080	0.0200
Suspended Pulp (USDA AMS)	8	PCT	0	12
CR Value (Hunter Value)	80	EA	45.00	100.00
CY Value (Hunter value)		EA	0.00	100.00
Citrus N Value (Hunter Value)		EA	0.00	150.00
Color Score (USDA AMS)	20	EA	18	20
Defect Description	None			
Light Filth (USDA AMS)	None			
Defect Score (USDA AMS)	20	EA	18	20
Flavor Description	Typical			
Flavor Score (USDA AMS)	55	EA	50	60
Grade Score (USDA AMS)	95	EA	90	100
USDA Grade	A			
Viscosity	5300	CPS	0	12000
Vitamin C (AOAC 939.13 & 966.18)	391	MGL	0.00	1500.00
Naringin (Davis Method)	856.39	PPM	0.00	2000.00
Howard Mold Count (USDA AMS)	0	PCT	0	10
Gelation				
Enzymatic Separation				
Total Plate Count (FDA BAM No. 3 on OSA)	0 - None	CFU	0	5000
Yeast (FDA BAM 18)	35620			
Molds (FDA BAM 18)	150	CFU	0	2000
Coliform	0	CFU	0	2000

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

03-16-2024 09:09:38

Customer Acceptance of Specifications

Rio Grande Juice Company has presented the Customer with specifications for RED GRAPEFRUIT 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: 4/17/2025

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.