

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

ORGANOLEPTIC

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
Titrateable 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	
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	--	--

*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			
		52 GAL	196.8 L
FILL DATE 05/31/2023		EXP DATE 05/31/2026	
LOT S23151-04			
DRUM # 764772			
GROSS	LB	kg	CORR BRIX
605.4		274.6	63.16
TARE	LB	kg	ACID
31.2		14.2	4.94
NET	LB	kg	RATIO
574.2		260.5	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
Lot Number
Production Date:
Expiration Date

W1042186-TC4100-S Red Grapefruit Concentrate Silo
P23319-01
11/15/2023
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)	891	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	0 - None			
Total Plate Count (FDA BAM No. 3 on OSA)	35620	CFU	0	5000
Yeasts (FDA BAM 18)	150	CFU	0	2000
Molds (FDA BAM 18)	0	CFU	0	2000
Coffin				

Customer Remarks:

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.