

# TECHNICAL DATA SHEET

## GRAPEFRUIT COLD PRESS OIL

### DESCRIPTION

Our Grapefruit Cold Pressed Oil is extracted from the fresh peel of 100% Grapefruit (Citrus latifolia) using mechanical cold-pressing methods that preserve the essential aromatic compounds and vibrant citrus character. This high-quality oil is intended for further manufacturing use only and is not ready-to-eat (RTE).

**Country of Origin:** United States of America



### Technical Data

### Compliance

ORGANOLEPTIC			
Aroma	Good, typical of fresh grapefruit.		
Color	Good. Clear to slightly hazy liquid.		
Defects	Practically Free		
Flavor	Good. Typical of sound, mature grapefruit		
PHYSICAL			
	Target	Min	Max
Refractive Index (20°C)	1.4765	1.4746	1.4788
Specific Gravity (20°C)	0.851	0.847	0.857
Optical Rotation (25°C)	+91.0°	+89.5°	+94.0°
Total Aldehydes as Decanal	1.20	1.00	1.60
GC Analysis	Conforms to an approved standard		
% Nootkatone (may vary from season to season	60	55	70

- ✓ FDA Compliance
- ✓ HACCP System
- ✓ GFSI accredited
- ✓ Kosher Certified
- ✓ Fully Traceable Product
- ✓ 100 % Natural
- ✓ Gluten Free
- ✓ Allergen Free

### HEAVY METALS & PESTICIDES

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

# Packaging and Storage

## Drums

**Packaging:** Closed metallic drums with a food grade phenolic inner lining and white external enamels. Net content of 177Kg (390 Lbs.).

### Storage/Shelf Life:

- When unrefrigerated, >55°F (13°C) and <80°F (26°C), in the original unopened container, shelf-life is 24 months.
- When chilled, 33-55°F (0.5-13°C), in the original unopened container, shelf-life is 36 months.
- When frozen, <32°F (0°C), in the original unopened container, shelf-life is 60 months.

**Labeling:** Label is placed on top of the drum using an adhesive label to stick to the drum. Labels comply with international labeling regulations. Label sample is on the right which indicates what the drum tag includes.

 702 E. Interstate Hwy 2 Mission, Texas 78572	<b>Red Grapefruit Cold Press Oil</b> RGJC Product Code: BP4110-D Recommended Storage: Store at < 0°F in original container Product Shelf Life: 60 Months																
Customer Information:  	<table><tr><td>Lot Number:</td><td>A25078-04.</td></tr><tr><td>Production Date:</td><td>3/19/2025</td></tr><tr><td>Refractive Index:</td><td>1.4762</td></tr><tr><td>% Nootkatone:</td><td>0.1046</td></tr><tr><td>Drum Number:</td><td>GDB25285</td></tr><tr><td>Tare Weight (LBS):</td><td>34</td></tr><tr><td>Net Weight (LBS):</td><td>184</td></tr><tr><td>Gross Weight (LBS):</td><td>218</td></tr></table>	Lot Number:	A25078-04.	Production Date:	3/19/2025	Refractive Index:	1.4762	% Nootkatone:	0.1046	Drum Number:	GDB25285	Tare Weight (LBS):	34	Net Weight (LBS):	184	Gross Weight (LBS):	218
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Production Date:	3/19/2025																
Refractive Index:	1.4762																
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Drum Number:	GDB25285																
Tare Weight (LBS):	34																
Net Weight (LBS):	184																
Gross Weight (LBS):	218																

## Product Numbers

This technical data sheet applies to the following Product Numbers:

IN4500-D – W1042023

## 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
- A- By Product

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

W1041995-BP4110-D Red Grapefruit Cold Press Oil Drum  
A25084-02  
03/25/2025  
03/25/2030

Analysis	RGJC Laboratory Analysis	UOM	Specifications Min	Max
Country of Origin	United States of America			
Refractive Index (AOAC 921.141)	1.4766	EA	1.4746	1.4788
Specific Gravity (AOAC 920.140)	0.853	EA	0.8470	0.8570
Optical Rotation (AOAC 921.142)		EA	89.5	94.0
% d-Limonene	93.98	PCT	90.00	97.00
% Nootkatone	0.1103	PCT	0.0000	0.3230
Total Aldehydes as Decanal	1.14	PCT	1.00	1.60

Customer Remarks:

A handwritten blue ink signature of the initials "JH".

Designated Supplier Signature:

FSQA Supervisor

09-10-2025 11:29:47

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

## Customer Acceptance of Specifications

Rio Grande Juice Company has presented the customer with specifications for GRAPEFRUIT COLD PRESS OIL, and this Agreement formalizes the acceptance of these specifications. Both parties acknowledge that they have reviewed and approved the specifications.

RIO GRANDE JUICE COMPANY

Customer

Approver Signature:



Customer Name: \_\_\_\_\_

Approver Printed Name: LUIS HERNANDEZ

Approver Signature: \_\_\_\_\_

Approver Position: FSQA SUPERVISOR

Approver Printed Name: \_\_\_\_\_

Date: 9/16/2025

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.