

TECHNICAL DATA SHEET

LEMON COLD PRESS OIL



DESCRIPTION

Our Lemon Cold Pressed Oil is extracted from the fresh peel of 100% Lemon Fruit (Citrus limon) 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.

Country of Origin: Produced in USA with Lemons of Mexico



Technical Data

ORGANOLEPTIC

Aroma	Good, typical of fresh lemon.
Color	Good. Clear amber to yellow liquid.
Defects	Practically Free
Flavor	Conforms to an approved standard when tasted at 0.03% in tasting syrup

PHYSICAL

	Target	Min	Max
Refractive Index (20°C)	1.474	1.460	1.48
Specific Gravity (20°C)	0.85	0.83	0.87
Optical Rotation (25°C)	+75°	+72°	+76°
Total Aldehydes as Decanal	5	2	6
GC Analysis	Conforms to an approved standard		
% d-Limonene	77	74	80

HEAVY METALS & PESTICIDES

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
- ✓ Kosher Certified
- ✓ Fully Traceable Product
- ✓ 100 % Natural
- ✓ Gluten Free
- ✓ Allergen Free

Packaging and Storage



Drums

Packaging: 55 gallon, 52 gallon net fill, epoxy phenolic lined 1A1 steel drums. Net weight ~ 390 lbs. (177 kgs)

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.

		Lemon Cold Press Oil	
702 E. Interstate Hwy 2 Mission, Texas 78572		RGJC Product Code: BP4510-D	Recommended Storage: Store at < 0°F in original container
Product Shelf Life: 60 Months			
Customer Information: 		Lot Number:	
		Production Date:	
		Refractive Index:	
		% Nootkatone:	
		Drum Number:	
		Tare Weight (LBS):	
		Net Weight (LBS):	
		Gross Weight (LBS):	

Product Numbers

This technical data sheet applies to the following Product Numbers:

BP4510-D – W1042003 BP4510-T – W1050988
BP4510-S – W1050987 BP4515-D – W1042004

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 “A23310-01 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-products

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	W1042003-BP4510-D Lemon Cold Press Oil Drum
Lot Number	A24255-01
Production Date:	09/11/2024
Expiration Date	09/11/2029

Analysis	RGJC Laboratory Analysis	UOM	Specifications	
			Min	Max
Country of Origin	Mexico			
Refractive Index (AOAC 921.141)	1.4742	EA	1.4600	1.4800
Specific Gravity (AOAC 920.140)	0.846	EA	0.8300	0.8700
Optical Rotation (AOAC 921.142)	78	EA	72.0	76.0
% d-Limonene	80.7	PCT	74.00	80.00
Total Aldehydes as Decanal	1.55	PCT	2.00	6.00

Customer Remarks:

A handwritten signature in blue ink, appearing to be "Z. H.", is written over a light blue circular stamp.

Designated Supplier Signature:
Title: FSQA Supervisor
Issue Date: 10-16-2025 09:20:54
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 supplier with specifications for LEMON 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

Approver Signature:



Approver Printed Name: LUIS HERNANDEZ

Approver Position: FSQA SUPERVISOR

Date: 1/6/2026

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.