



# 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

### Compliance

#### 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.

- 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.

|   |                             |                      |                                      |
|---|-----------------------------|----------------------|--------------------------------------|
|  | <b>Lemon Cold Press Oil</b> |                      |                                      |
| RGJC Product Code:  | BP4510-D                    | Recommended Storage: | Store at < 0°F in original container |
| 702 E. Interstate Hwy 2<br>Mission, Texas 78572                                   | Product Shelf Life:         | 60 Months            |                                      |
| Customer Information:   |                             |                      |                                      |
| (U)   | 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  
Lot Number  
Production Date:  
Expiration Date

W1042003-BP4510-D Lemon Cold Press Oil Drum  
A24255-01  
09/11/2024  
09/11/2029

| Analysis                        | RGJC Laboratory<br>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:

Designated Supplier Signature:

Title:

Issue Date:

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

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

FSQA Supervisor

10-16-2025 09:20:54

## 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.