



## Pomegranate Seed Oil, CO2

INCI: Punica granatum L. (Pomegranate) Seed Oil

### Specifications

#### Analytical Details

**Extraction:**

**Solvent:**

**Sterilization Method:**

**Appearance:**

**Odor & Taste:**

**Solubility:**

**Moisture:**

**Specific Gravity @ 25°C:**

**Optical Rotation @20°C:**

**Acid Value (mg KOH/g):**

**Peroxide Value (mEq/kg):**

**Punicic Acid (%):**

#### Fatty Acid Composition

**C16:0 Palmitic:**

**C18:0 Stearic:**

**C20:4 Arachidonic:**

**C18:1 Oleic:**

**C18:2 Linoleic:**

**C18:3 Punicic:**

**Solvent Residues:**

**Heavy Metals:**

**Arsenic (As):**

**Cadmium (Cd):**

**Lead (Pb):**

**Chlorate (Cl):**

**Phosphate Organic:**

**Aflatoxins:**

**Packaging & Storage:**

#### Specifications

Supercritical CO<sub>2</sub>

99.5% CO<sub>2</sub>

Supercritical Sterilization

Golden Yellow, Clear Oil

Characteristic, Light

Insoluble in water; miscible with fatty oils  
and fat soluble organic solvents

≤ 0.5%

0.9300-0.9500

1.5150-1.5250

NMT 5

NMT 5

75-83%

2-4%

1.5-0.6%

0.2-0.6%

4-6%

4-7%

75-85%

Absent

NMT 10 ppm

NMT 0.5 ppm

NMT 0.5 ppm

NMT 0.5 ppm

NMT 0.5 ppm

NMT 0.5 ppm

None

25 kg PE drum. Store nitrogen capped, in a cool dry location away  
from sunlight.

#### Method

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Visual

Organoleptic

Visual

Karl Fischer

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GC-MS

GC-MS

GC

Atomic Absorption

Atomic Absorption

Atomic Absorption

Atomic Absorption

Atomic Absorption

GC

HPLC

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