



## Pomegranate Seed Oil

INCI: Punica Granatum (Pomegranate) Seed Oil

Product ID: OILPOMEXPVIREU742

### Specifications

#### **Analytical Details**

**Appearance:**

**Color (Gardner):**

**Acid Value:**

**Peroxide Value:**

**Moisture:**

**Saponification Value:**

**Unsaponifiable Matter:**

**Refractive Index (20 °C):**

**Specific Gravity (20 °C):**

#### **Methods**

Visual

DIN 4630

ISO 660

ISO 3960

AOCS Ca2e : 84(09)

ISO 3657

ISO 3596

ISO 6320

ISO 6883

#### **Specifications**

Bright Yellow Oil

≤ 12.0

≤ 5.0 mg KOH/g

≤ 8.0 meq/kg

≤ 0.1%

182.0 - 192.0 mg KOH/g

≤ 2.5%

1.510 - 1.525

0.940 - 0.950 g/mL

#### **Fatty Acid Profile**

**< C16:0:**

**C16:0 Palmitic:**

**C18:0 Stearic:**

**C18:1 Oleic:**

**C18:2 Linoleic:**

**C18:3 9c,11t,13c Punicic:**

**C20:0 Icosanoic:**

ATM018

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≤ 0.3%

2.0 - 5.0%

≤ 3.0%

3.0 - 10.0%

3.0 - 10.0%

60.0 - 86.0%

≤ 1.0%

#### **Persistent Organic Pollutants**

**Benzo(a)pyrene:**

**Sum of B(a)P, B(a)A, B(b)F, Chrysene:**

**Sum of Dioxins and Furans (WHO-PCDD/F-TEQ/g):**

**Sum of Dioxins, Furans, Dioxin-like**

**PCBs (WHO-PCDD/F-PCB-TEQ/g):**

**PCBs (Sum 28, 52, 101, 138, 153, 180)**

**(Total 6 DIN-PCB):**

ISO 22959

ISO 22959

GC-MS/MS

GC-MS/MS

GC-MS/MS

≤ 2.0 µg/kg

≤ 10.0 µg/kg

≤ 0.75 pg/g

≤ 1.25 pg/g

≤ 40.0 ng/g

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**Heavy Metals**

<b>Lead:</b>	ICPMS	≤ 0.1 mg/kg
<b>Cadmium:</b>	ICPMS	≤ 0.05 mg/kg
<b>Mercury:</b>	ICPMS	≤ 0.05 mg/kg
<b>Arsenic:</b>	ICPMS	≤ 0.1 mg/kg

**Microbiological**

<b>Total Viable Count:</b>	TP/006	≤ 1000 cfu/g
<b>Yeast &amp; Mold:</b>	TP/008	≤ 100 cfu/mL
<b>E. Coli:</b>	TP/016	Not Detected
<b>Salmonella:</b>	TP/018	Not Detected
<b>S. Aureus:</b>	TP/012	Not Detected

**Shelf Life:** 2 Years

**Storage:** Store in a cool and dry place. Avoid light and heat. Cover with nitrogen after opening and close the container tightly.

**Note: Pesticide residues are tested annually on a random batch and are in accordance with European Food Law.**

**Date:** 12/10/2021

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