



**Organic Pomegranate Seed Oil**  
 INCI: Punica Granatum Linn (Pomegranate) Seed Oil  
 Product ID: ORGOILPOMEXPVIREU742

**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 5033  
 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  
 ≤ 10.0 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:**  
**C18:1 Cis-Vaccenic:**  
**C18:2 Linoleic:**  
**C18:3 9c,11t,13c Punicic:**  
**C20:0 Icosanoic:**

In-House Method  
 In-House Method  
 In-House Method  
 In-House Method  
 In-House Method  
 In-House Method  
 In-House Method  
 In-House Method

≤ 0.3%  
 2.0 - 5.0%  
 ≤ 3.0%  
 3.0 - 10.0%  
 ≤ 2.0%  
 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):**

QMP\_504\_VW-401  
 QMP\_504\_VW-401  
 GLS DF 110, GC-MS/MS  
 GLS DF 110, GC-MS/MS  
 GLS DF 110, GC-MS/MS

≤ 2.0 µg/kg  
 ≤ 10.0 µg/kg  
 ≤ 0.75 pg/g  
 ≤ 1.25 pg/g  
 ≤ 40.0 ng/g

**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 /25g
<b>S. Aureus:</b>	TP/012	Not Detected

**Shelf Life:** 1 Year

**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:** 07/22/2024

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