



Virgin 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**

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

Microbiological

Total Viable Count:	TP/006	≤ 1000 cfu/g
Yeast & Mold:	TP/008	≤ 100 cfu/mL
E. Coli:	TP/016	Not Detected
Salmonella:	TP/018	Not Detected
S. Aureus:	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: 07/13/2020

Disclaimer: All information, appearing herein on our products is based upon data that are believed to be reliable. However, it is the user's responsibility to determine the suitability of the product before use. Since the actual use of the product is beyond our control, no guarantee, express or implied, is made by Natural Sourcing of the product nor does Natural Sourcing assume any liability arising out of use, by others, of the product referred to herein.

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