## Organic Virgin Pumpkin Seed Oil

**INCI:** Cucurbita Pepo (Pumpkin) Seed Oil  
**Product ID:** ORGOILPUMPEXPVIREU742

### Specifications

<table>
<thead>
<tr>
<th>Analytical Details</th>
<th>Methods</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Organoleptic</td>
<td>Clear Brown to Red Oil</td>
</tr>
<tr>
<td>Acid Value:</td>
<td>ISO 660</td>
<td>≤ 4.0 mg KOH/g</td>
</tr>
<tr>
<td>Peroxide Value:</td>
<td>ISO 3960</td>
<td>≤ 8.0 meq/kg</td>
</tr>
<tr>
<td>Anisidine Value:</td>
<td>ISO 6885</td>
<td>≤ 20.0</td>
</tr>
<tr>
<td>Totox Value:</td>
<td>Calculated</td>
<td>≤ 25.0</td>
</tr>
<tr>
<td>Moisture:</td>
<td>AOCS Cd8b : 90(09)</td>
<td>≤ 0.1%</td>
</tr>
<tr>
<td>Saponification Value:</td>
<td>ISO 3657</td>
<td>188.0 - 198.0 mg KOH/g</td>
</tr>
<tr>
<td>Unsaponifiable Matter:</td>
<td>ISO 3596</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>Refractive Index (20 °C):</td>
<td>ISO 6320</td>
<td>1.4715 - 1.4745</td>
</tr>
<tr>
<td>Specific Gravity (20 °C):</td>
<td>ISO 6883</td>
<td>0.915 - 0.925 g/mL</td>
</tr>
</tbody>
</table>

### Persistent Organic Pollutants

- **Benzo(a)pyrene:**  
  ISO 22959  
  ≤ 2.0 µg/kg

- **Sum of B(a)P, B(a)A, B(b)F, Chrysene:**  
  ISO 22959  
  ≤ 10.0 µg/kg

- **Sum of Dioxins and Furans (WHO-PCDD/F-TEQ/g):**  
  QMA504-341, HRMS  
  ≤ 0.75 pg/g

- **Sum of Dioxins, Furans, Dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ/g):**  
  QMA504-341, HRMS  
  ≤ 1.25 pg/g

- **PCB's (Sum 28, 52, 101, 138, 153, 180) (Total 6 DIN-PCB):**  
  QMA504-341, HRMS  
  ≤ 40.0 ng/g

### Fatty Acid Profile

- **< C16:0:**  
  LAU_G051B  
  ≤ 0.3%

- **C16:0 Palmitic:**  
  LAU_G051B  
  10.0 - 16.0%

- **C18:0 Stearic:**  
  LAU_G051B  
  3.0 - 7.0%

- **C18:1 Oleic:**  
  LAU_G051B  
  18.0 - 38.0%

- **C18:2 Linoleic:**  
  LAU_G051B  
  40.0 - 62.0%

- **C18:3 Alpha Linolenic:**  
  LAU_G051B  
  ≤ 3.0%

- **Others:**  
  LAU_G051B  
  ≤ 4.0%

### 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
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Date: 11/27/2019

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.

**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 /25g

- **Staphylococcus Aureus:**
  - TP/012
  - Not Detected

**Shelf Life:**

2 Years