# TECHNICAL DATA SHEET

<table>
<thead>
<tr>
<th>Product Name</th>
<th>PUMPKIN SEED OIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical Name</td>
<td>Cucurbita pepo</td>
</tr>
<tr>
<td>Product Code</td>
<td>PCO4040</td>
</tr>
<tr>
<td>CAS #</td>
<td>8016-49-7; 89998-03-8</td>
</tr>
<tr>
<td>EINECS #</td>
<td>289-741-0</td>
</tr>
<tr>
<td>INCI Name</td>
<td>Cucurbita pepo (Pumpkin) Seed Oil</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Used</th>
<th>Seeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extraction Method</td>
<td>Cold Pressed</td>
</tr>
<tr>
<td>Quality</td>
<td>100% Pure and Natural</td>
</tr>
</tbody>
</table>

## PROPERTIES | SPECIFICATIONS
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Appearance | Deep amber to greenish brown colored liquid
Odour | Characteristic, appealing nutty odour
Refractive Index | 1.460 - 1.435 @ 20°C
Specific Gravity (g/mL) | 0.910 - 0.930 @ 20°C
Saponification Value (mgKOH/g) | 174 - 198
Peroxide Value (meq O₂/kg) | Less than 8
Iodine Value (g I₂/100g) | 110 - 130
Free Fatty Acids (% oleic) | Less than 2
Acid Value (mgKOH/g) | Less than 4
Solubility | Soluble in alcohols and fixed oils; Insoluble in water

## FATTY ACID COMPOSITION:

<table>
<thead>
<tr>
<th>FATTY ACID</th>
<th>C-CHAIN</th>
<th>SPECIFICATIONS (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palmitic Acid</td>
<td>C16:0</td>
<td>12.60 – 18.40</td>
</tr>
<tr>
<td>Stearic Acid</td>
<td>C18:0</td>
<td>5.10 – 8.50</td>
</tr>
<tr>
<td>Oleic Acid</td>
<td>C18:1 (n-9)</td>
<td>17.00 – 39.50</td>
</tr>
<tr>
<td>Linoleic Acid</td>
<td>C18:2 (n-6)</td>
<td>18.10 – 62.80</td>
</tr>
<tr>
<td>Alpha-Linolenic Acid</td>
<td>C18:3 (n-3)</td>
<td>Maximum 1.00</td>
</tr>
</tbody>
</table>

As it is electronically generated document, hence no signature required.

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