

TECHNICAL DATA SHEET

| | |
|-----------------------|---------------------------------|
| Product Name | GRAPESEED OIL |
| Botanical Name | Vitis vinifera |
| Product Code | PCO4019 |
| CAS # | 8024-22-4 ; 84929-27-1 |
| EINECS # | 287-896-9 ; 284-511-6 |
| INCI Name | Vitis vinifera (Grape) Seed Oil |

| | |
|--------------------------|-----------------------|
| Part Used | Seeds |
| Extraction Method | Cold Pressed |
| Quality | 100% Pure and Natural |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> |
|--|--|
| Appearance | Pale yellow to light green colored liquid |
| Odour | Nearly odorless |
| Refractive Index | 1.467 - 1.477 @ 20°C |
| Specific Gravity (g/mL) | 0.917 - 0.935 @ 20°C |
| Saponification Value (mgKOH/g) | 180 - 203 |
| Peroxide Value (meq O₂/kg) | Less than 10.0 |
| Iodine Value (g I₂/100g) | 120 - 150 |
| Free Fatty Acids (% oleic) | Less than 5.0 |
| Acid Value (mgKOH/g) | Less than 10.0 |
| Solubility | Soluble in alcohols and fixed oils; Insoluble in water |

FATTY ACID COMPOSITION:

| <u>FATTY ACID</u> | <u>C-CHAIN</u> | <u>SPECIFICATIONS (%)</u> |
|-----------------------------|----------------|---------------------------|
| Palmitic Acid | C16:0 | 5.00 – 11.00 |
| Palmitoleic Acid | C16:1 (n-7) | 0.00 – 1.00 |
| Stearic Acid | C18:0 | 2.00 – 8.00 |
| Oleic Acid | C18:1 (n-9) | 12.00 – 28.00 |
| Linoleic Acid | C18:2 (n-6) | 58.00 – 78.00 |
| Alpha-Linolenic Acid | C18:3 (n-3) | Maximum 1.00 |

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

DISCLAIMER: Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Paras Perfumers provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose.