

TECHNICAL DATA SHEET

| | |
|-----------------------|------------------------------------------|
| Product Name | SEABUCKTHORN OIL |
| Botanical Name | Hippophae rhamnoides |
| Product Code | PCO4090 |
| CAS # | 90106-68-6 ; 225234-03-7 |
| EINECS # | 290-292-8 |
| INCI Name | Hippophae rhamnoides (Sea Buckthorn) Oil |

| | |
|--------------------------|------------------------------------------|
| Part Used | Whole Berry |
| Extraction Method | Supercritical CO ₂ Extraction |
| Quality | 100% Pure and Natural |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> |
|----------------------------------------------|--------------------------------------------------------|
| Appearance | Reddish orange to yellow brown colored liquid |
| Odour | Characteristic subtle, earthy odour |
| Refractive Index | 1.450 - 1.480 @ 20°C |
| Specific Gravity (g/mL) | 0.900 - 0.930 @ 20°C |
| Saponification Value (mgKOH/g) | 130 - 200 |
| Peroxide Value (meq O₂/kg) | Less than 0.8 |
| Iodine Value (g I₂/100g) | 30 - 100 |
| Acid Value (mgKOH/g) | Less than 18.0 |
| 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 | 31.00 – 33.00 |
| Palmitoleic Acid | C16:1 (n-7) | 28.00 – 37.00 |
| Stearic Acid | C18:0 | Maximum 2.00 |
| Oleic Acid | C18:1 (n-9) | 3.00 – 8.00 |
| Linoleic Acid | C18:2 (n-6) | 6.00 – 16.00 |
| Alpha-Linolenic Acid | C18:3 (n-3) | 3.00 – 8.00 |

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. Paros 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.