

TECHNICAL DATA SHEET

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| Product Name | ACAI BERRY OIL |
| Botanical Name | Euterpe oleracea |
| Product Code | PCO4063 |
| CAS # | 861902-11-6 |
| INCI Name | Euterpe oleracea (Acai) Fruit Oil |

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

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> |
|--|--|
| Appearance | Yellowish green to dark green colored liquid |
| Odour | Mild, pleasant, sweet fruity odour |
| Refractive Index | 1.455 - 1.475 @ 20°C |
| Specific Gravity (g/mL) | 0.910 - 0.940 @ 20°C |
| Saponification Value (mgKOH/g) | 175 - 205 |
| Peroxide Value (meq O₂/kg) | Less than 10.0 |
| Iodine Value (g I₂/100g) | 68 - 110 |
| Free Fatty Acids (% oleic) | 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 | 8.00 – 15.00 |
| Palmitoleic Acid | C16:1 (n-7) | 0.50 – 2.50 |
| Stearic Acid | C18:0 | 2.00 – 10.00 |
| Oleic Acid | C18:1 (n-9) | 35.00 – 55.00 |
| Linoleic Acid | C18:2 (n-6) | 20.00 – 40.00 |
| Alpha-Linolenic Acid | C18:3 (n-3) | 0.30 – 1.00 |

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

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