

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>ANDIROBA OIL</b>
<b>Botanical Name</b>	Carapas guianensis
<b>Product Code</b>	PCO4039
<b>CAS #</b>	352458-32-3; 223748-14-9
<b>INCI Name</b>	Carapa guaianensis Seed Oil

<b>Part Used</b>	Nuts
<b>Extraction Method</b>	Cold Pressed
<b>Quality</b>	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
<b>Appearance</b>	Pale yellow colored liquid; off white creamy soft mass when cool
<b>Odour</b>	Slight musky odour
<b>Refractive Index</b>	1.460 - 1.480 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.900 - 0.950 @ 25°C
<b>Saponification Value (mgKOH/g)</b>	160 - 190
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 40
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	85 - 110
<b>Free Fatty Acids (% oleic)</b>	Less than 15
<b>Acid Value (mgKOH/g)</b>	Less than 40
<b>Solubility</b>	Soluble in alcohols and fixed oils; Insoluble in water

### FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
<b>Palmitic Acid</b>	C16:0	25.20 – 29.00
<b>Stearic Acid</b>	C18:0	7.20 – 9.50
<b>Oleic Acid</b>	C18:1 (n-9)	47.10 – 55.50
<b>Linoleic Acid</b>	C18:2 (n-6)	8.00 – 12.20
<b>Alpha-Linolenic Acid</b>	C18:3 (n-3)	Maximum 1.50

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

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