

## TECHNICAL DATA SHEET

<b>Product Name</b>	<b>KARANJA OIL</b>
<b>Botanical Name</b>	Millettia pinnata syn Pongamia glabra
<b>Product Code</b>	PCO4091
<b>INCI Name</b>	Pongamia glabra Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
<b>Appearance</b>	Amber yellow to brown colored liquid
<b>Odour</b>	Characteristic odour
<b>Refractive Index</b>	1.470 - 1.480 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.920 - 0.930 @ 20°C
<b>Saponification Value (mgKOH/g)</b>	186 - 196
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 10.0
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	80 - 90
<b>Acid Value (mgKOH/g)</b>	Less than 5.0
<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	3.70 – 7.90
<b>Stearic Acid</b>	C18:0	2.40 – 8.90
<b>Oleic Acid</b>	C18:1 (n-9)	44.50 – 71.30
<b>Linoleic Acid</b>	C18:2 (n-6)	10.80 – 18.30
<b>Alpha-Linolenic Acid</b>	C18:3 (n-3)	1.00 – 5.00
<b>Arachidic Acid</b>	C20:0	2.20 – 4.70
<b>11-Eicosenoic Acid</b>	C20:1 (n-9)	Maximum 2.0
<b>Behenic Acid</b>	C22:0	4.20 – 5.30

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

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