

## **TECHNICAL DATA SHEET**

<b>Product Name</b>	<b>GOLDEN JOJOBA OIL</b>
<b>Botanical Name</b>	Simmondsia chinensis
<b>Product Code</b>	PCO4010
<b>CAS #</b>	61789-91-1; 90045-98-0
<b>EINECS #</b>	289-964-3
<b>INCI Name</b>	Simmondsia chinensis (Jojoba) Seed Oil

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

<b><u>PROPERTIES</u></b>	<b><u>SPECIFICATIONS</u></b>
<b>Appearance</b>	Pale yellow to golden colored liquid
<b>Odour</b>	Very mild odour
<b>Refractive Index</b>	1.460 - 1.468 @ 20°C
<b>Specific Gravity (g/mL)</b>	0.863 - 0.895 @ 20°C
<b>Saponification Value (mgKOH/g)</b>	85 - 110
<b>Unsaponifiable Matter (%)</b>	45.0 – 55.0
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 2.0
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	80 - 92
<b>Acid Value (mgKOH/g)</b>	Less than 1.0
<b>Moisture (%)</b>	Maximum 0.1%
<b>Solubility</b>	Soluble in cosmetic esters and fixed oils; Insoluble in water

Peroxide

### **FATTY ACID COMPOSITION:**

<b><u>FATTY ACID</u></b>	<b><u>C-CHAIN</u></b>	<b><u>SPECIFICATIONS (%)</u></b>
<b>Palmitic Acid</b>	C16:0	Maximum 3.00
<b>Palmitoleic Acid</b>	C16:1 (n-7)	Maximum 1.00
<b>Oleic Acid</b>	C18:1 (n-9)	5.00 – 15.00
<b>11-Eicosenoic Acid</b>	C20:1 (n-9)	65.00 – 80.00
<b>Erucic Acid</b>	C22:1 (n-9)	10.00 – 20.00
<b>Nervonic Acid</b>	C24:1 (n-9)	Maximum 3.00

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<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
<b>Aerobic Mesophilic Bacterial Count</b>	< 100 CFU/g	ISO 21149
<b>Yeast and Mould</b>	< 10 CFU/g	ISO 16212
<b>Candida albicans</b>	ABSENT / 1g	ISO 18416
<b>Escherichia coli</b>	ABSENT / 1g	ISO 21150
<b>Pseudomonas aeruginosa</b>	ABSENT / 1g	ISO 22717
<b>Staphylococcus aureus</b>	ABSENT / 1g	ISO 22718

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
<b>Lead: Pb (mg/kg or ppm)</b>	< 10 ppm	na
<b>Arsenic: As (mg/kg or ppm)</b>	< 2 ppm	na
<b>Mercury: Hg (mg/kg or ppm)</b>	< 1 ppm	na

#### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

Value (mg/kg)

Maximum 5.0

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