



TREAT YOUR SOUL

KARANJA OIL

CERTIFICATE OF ANALYSIS

Product Name	KARANJA OIL
Botanical Name	Millettia pinnata syn Pongamia glabra
INCI Name	Pongamia Glabra Seed Oil

Part Used	Seeds
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Amber yellow to brown colored liquid	CONFORMS
Odour	Characteristic mild odour	CONFORMS
Refractive Index	1.473 - 1.479 @ 40°C	1.475
Specific Gravity (g/mL)	0.925 - 0.940 @ 30°C	0.930
Moisture (%)	Maximum 0.25	CONFORMS
Unsaponifiable Matter (%)	Maximum 3.0	CONFORMS
Saponification Value (mgKOH/g)	185 - 195	190
Peroxide Value (meq O₂/kg)	Less than 10.0	CONFORMS
Iodine Value (g I₂/100g)	80 - 90	86
Acid Value (mgKOH/g)	Less than 10.0	CONFORMS
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

Address: 975 Lunt Ave., Schaumburg Illinois 60193, USA

Phone: (800)809-4941 | **Email:** support@thesulu.com | **Web:** www.thesulu.com



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FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
Palmitic Acid	C16:0	3.70 ± 13.00	11.40
Stearic Acid	C18:0	2.40 ± 8.90	7.60
Oleic Acid	C18:1 (n-9)	44.50 ± 71.30	51.50
Linoleic Acid	C18:2 (n-6)	10.80 ± 18.30	16.70
Alpha-Linolenic Acid	C18:3 (n-3)	1.00 ± 5.00	2.50
Arachidic Acid	C20:0	2.20 ± 4.70	2.40
Behenic Acid	C22:0	4.20 ± 5.30	4.64
Lignoceric Acid	C24:0	1.00 ± 3.50	1.30

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

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

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.

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

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