



TREAT YOUR SOUL

# AVOCADO OIL

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>AVOCADO OIL</b>
<b>Botanical Name</b>	Persea americana syn P. gratissima
<b>CAS #</b>	8024-32-6; 8007-72-5
<b>EINECS #</b>	232-428-0
<b>INCI Name</b>	Persea gratissima (Avocado) Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
<b>Appearance</b>	Pale yellow to green yellow colored liquid	CONFORMS
<b>Odour</b>	Almost odorless	CONFORMS
<b>Refractive Index</b>	1.460 - 1.480 @ 20°C	1.467
<b>Specific Gravity (g/mL)</b>	0.910 - 0.928 @ 20°C	0.919
<b>Saponification Value (mgKOH/g)</b>	190 - 210	196
<b>Peroxide Value (meq O<sub>2</sub>/kg)</b>	Less than 4.0	CONFORMS
<b>Iodine Value (g I<sub>2</sub>/100g)</b>	64 - 95	84
<b>Free Fatty Acids (% oleic)</b>	Less than 0.5	0.1
<b>Acid Value (mgKOH/g)</b>	Less than 1.0	0.2
<b>Moisture (%)</b>	Less than 0.1%	0.02
<b>Vitamin E (mg/kg)</b>	70 - 190	CONFORMS
<b>Solubility</b>	Soluble in Cosmetic esters and fixed oils; Insoluble in water	CONFORMS

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## CERTIFICATE OF ANALYSIS

### FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>	<u>RESULTS (%)</u>
Palmitic Acid	C16:0	10.00 ± 25.00	13.70
Palmitoleic Acid	C16:1 (n-7)	2.00 ± 8.00	5.50
Stearic Acid	C18:0	0.10 ± 0.40	0.40
Oleic Acid	C18:1 (n-9)	60.00 ± 80.00	65.20
Linoleic Acid	C18:2 (n-6)	7.00 ± 20.00	14.30
Alpha-Linolenic Acid	C18:3 (n-3)	0.20 ± 1.00	0.70

<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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