

CERTIFICATE OF ANALYSIS (COA)

Product Name	FIG SEED OIL
Botanical Name	Ficus carica
CAS #	90028-74-3
EINECS #	289-868-1
INCI Name	Ficus Carica Seed Oil

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

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Pale greenish yellow colored liquid	CONFORMS
Odour	Characteristic mild aroma	CONFORMS
Refractive Index	1.475 - 1.495 @ 20°C	1.480
Specific Gravity (g/mL)	0.890 - 0.940 @ 20°C	0.933
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

FREE ACID COMPOSITION

FATTY ACID	C-CHAIN	SPECIFICATIONS (%)	RESULTS (%)
Palmitic Acid	C16:0	5.00 – 9.00	6.00
Stearic Acid	C18:0	2.00 – 4.00	2.40
Oleic Acid	C18:1 (n-9)	14.00 – 24.00	21.10
Linoleic Acid	C18:2 (n-6)	20.00 – 35.00	30.20
Alpha-Linolenic Acid	C18:3 (n-3)	32.00 – 50.00	39.20
Gamma-Linolenic Acid	C18:3 (n-6)	Maximum 1.00	0.20
Behenic Acid	C22:0	Maximum 0.50	0.10

MICROBIAL ANALYSIS	<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

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