

## CERTIFICATE OF ANALYSIS (COA)

Product Name	VITAMIN-E OIL
Botanical Name	Solanum lycopersicum
CAS #	59-02-9 and 8001-21-6
INCI Name	Tocopherol

Extraction Method	This product has predominantly the single constituent D-alpha-Tocopherol in a base of Helianthus annuus (Sunflower) seed oil
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Clear to pale yellow, slightly viscous liquid	CONFORMS
Odour	Characteristic	CONFORMS
Refractive Index	1.470 - 1.510 @ 20°C	1.493
Specific Gravity (g/mL)	0.935 - 0.975 @ 20°C	0.955
D-alpha-Tocopherol Content	≈ 67%	CONFORMS
Moisture (%)	Maximum 0.1	CONFORMS
Acid Value (mgKOH/g)	Less than 2.0	CONFORMS
Solubility	Soluble in cosmetic esters and fixed oils; Insoluble in water	CONFORMS

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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