

TECHNICAL DATA SHEET (TDS)

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

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

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

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