



Phytos Natur CZ. s.r.o.

## **TECHNICAL DATA SCHEET (TDS)**

<b>Product Name</b>	<b>VITAMÍN E OLEJ</b>
<b>CAS #</b>	59-02-9 and 8001-21-6
<b>INCI Name</b>	Tocopherol

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

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

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

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

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 36 months, quality should be checked before use.

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