



## D-alpha-Tocopherol 1000 IU

INCI: Tocopherol

**Description:** Vitamin E is a fat soluble vitamin which is stored in the adipose tissue, liver, muscle, adrenal and pituitary glands, red blood cells and platelets, testes and ovaries. It plays an important role in protecting the body tissues from damaging reactions caused by free-radicals. D-alpha-tocopherol 1000 IU is a pale yellow to yellow brown, clear, viscous, oily liquid. It is nearly odorless. It darkens slowly in air and exposure to light. Vitamin E 1000 IU is derived from edible vegetable oils.

**Chemical Name:** 2R, 4'R, 8'R-alpha tocopherol

**CAS No:** 59-02-9

**EINECS No:** 200-412-2

**Molecular Formula:** C<sub>29</sub>H<sub>50</sub>O<sub>2</sub>      **Molecular Weight:** 430.71

**Applications:** For fortification of margarine, oil and fat, nutrition products and baby food. Also used in soft capsules and as an antioxidant in oil and fat.

## Specifications

### Analytical Details

**Appearance:**

**Taste & Odor:**

**Identification:**

**Viscosity (25°C):**

**Acid Value:**

**Specific Rotation [α]<sup>20</sup>D:**

**% d-α-tocopherol:**

**% d-α-tocopherol in total tocopherols:**

### Heavy Metals (As, Pb)

**Arsenic:**

**Lead:**

**Mercury:**

### Microbiological Analysis

**Total Plate Count:**

**Yeast & Mold:**

**E. Coli:**

**Salmonella:**

**S. aureus:**

### Specifications

Pale yellow to brownish red, clear, viscous, oily liquid

Mild, characteristic

Pass USP and FCC tests

1000 mPa. S Max

1.0 ml Max

+24° Min

67.15% Min

95% Min

10 ppm Max

2 ppm Max

5 ppm Max

1 ppm Max

1000 cfu/g Max

25 cfu/g Max

40 MPN/100g Max

Negative

Negative



# NATURAL SOURCING™

Specialists in Cosmeceutical Ingredients

## **PAH/B(a)P Analysis**

<b>Total PAH:</b>	25 ppb Max
<b>Light PAHs:</b>	20 ppb Max
<b>Heavy PAHs:</b>	5 ppb Max
<b>Benzo[a]pyrene:</b>	1 ppb Max

## **Residual Solvent:**

<i>Toluene:</i>	890 ppm Max
<i>Benzene:</i>	2 ppm Max
<i>Hexane:</i>	290 ppm Max
<i>Methanol:</i>	3000 ppm Max

Guaranteed GMO free

Complies with all monograph requirements of the current EU Pharmacopoeia

Conforms to USP, FCCIV

**Storage and Stability:** Store in unopened containers and stored below 20°C. The product may be stored for 24 months from the date of manufacture. It should be protected from heat, light, oxygen and moisture. Keep tightly closed. Use quickly once opened.

**Date:** 08/29/08

Disclaimer: All information, appearing herein on our products is based upon data that are believed to be reliable. However, it is the user's responsibility to determine the suitability of the product before use. Since the actual use of the product is beyond our control, no guarantee, express or implied, is made by Natural Sourcing of the product nor does Natural Sourcing assume any liability arising out of use, by others, of the product referred to herein.

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