



Vitamin E T-50 Mixed Tocopherol Oil, Non-GMO Soy  
 INCI: Tocopherol  
 Product ID: OILVITESOYMT50IN852

### Specifications

**Analytical Details**

**Appearance:**

**Odor:**

**Identification A:**

**Identification B:**

**Acidity (ml 0.1N NaOH/g):**

**Specific Rotation ( $[\alpha]_D^{25}$ ):**

**Relative Density:**

**Total Tocopherol:**

**Non Alpha-Tocopherol:**

**Tocopherol Content**

**d- $\delta$ -Tocopherol:**

**d- $\beta$ -Tocopherol:**

**d- $\gamma$ -Tocopherol:**

**d- $\alpha$ -Tocopherol:**

**Heavy Metals**

**\*Total Heavy Metals:**

**\*Arsenic:**

**\*Lead:**

**\*Cadmium:**

**\*Mercury:**

**Contaminants**

**Residual Solvents:**

**\*Benzo(a)pyrene:**

**\*Sum PAH (4):**

**Methods**

Visual

Organoleptic

FCC

HPLC

FCC

FCC

In-House

HPLC

HPLC

HPLC

HPLC

HPLC

HPLC

ICP-MS

ICP-MS

ICP-MS

ICP-MS

ICP-MS

USP

GC-MS

GC-MS

**Specifications**

Clear, Yellow to Brownish Red

Viscous Oil

Mild

Bright Red to Orange Color Develops

Retention Time of Major Peak in the

Sample Corresponds to Standard

$\leq 1.0$  mL

NLT  $+20^\circ$

0.90 - 0.96

$\geq 50.00\%$

$\geq 40.00\%$

10.00 - 30.00%

0.01 - 5.00%

50.00 - 70.00%

5.00 - 20.00%

$\leq 5.0$  ppm

$\leq 0.2$  ppm

$\leq 0.5$  ppm

$\leq 0.2$  ppm

$\leq 0.1$  ppm

Meets Current USP

$\leq 2.0$  ppb

$\leq 10.0$  ppb

**Microbiological**

<b>*Total Plate Count:</b>	ISO 4833-1:2013	≤ 1000 cfu/g
<b>*Yeast &amp; Mold:</b>	ISO 21527-1:2008	≤ 100 cfu/g
<b>*Coliforms:</b>	ISO 4832:2006	≤ 10 cfu/g
<b>*E. Coli:</b>	ISO 16649-2:2001	Absent /10g
<b>*S. Aureus:</b>	ISO 6888-1: 2021	Absent /10g
<b>*Pseudomonas Aeruginosa:</b>	ISO 12780:2011	Absent /10g
<b>*Salmonella:</b>	ISO 6579-1:2017	Absent /25g
<b>*Enterobacteriaceae:</b>	ISO 27528 :2017	Absent /25g

**\*Note: These parameters are not tested on every batch of this product.**

**Shelf Life:** 3 Years

**Date:** 02/20/2024

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