

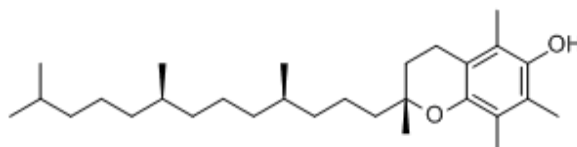
## SPECIFICATION SHEET

# Tocobest™ D-alpha-Tocopherol Oil350IU

CAS: 59-02-9

Chemical Formula: C<sub>29</sub>H<sub>50</sub>O<sub>2</sub>

Molecular Weight: 430.71



## GENERAL CHARACTERISTICS

|             |   |
|-------------|---|
| Description | D-alpha-tocopherol, the most active form of VE, is originated from soybean oil. It is insoluble in water, but soluble in ethanol, gasoline, ethyl and vegetable oil, heat-stable(almost no decomposition if heated to 200 °C),nearly odorless. It darkens slowly in air and on exposure to light. |
| Appearance  | Granular powder   |
| Color       | Tan, white  |

## ANALYTICAL CHARACTERISTICS

|                    |                |
|--------------------|----------------|
| Acidity Value      | Max 2mgKOH/g   |
| D-alpha-Tocopherol | Min 23.5~33.6% |
| Bulk density       | 0.37~0.55g/ml  |
| Heavy Metals       | Max 10ppm      |
| Arsenic            | Max 4ppm       |

## MICROBIAL CHARACTERISTICS

|                    |               |
|--------------------|---------------|
| Total plate count  | Max 3000cfu/g |
| Total yeast & mold | Max 300cfu/g  |
| <i>E.coli</i>      | Negative      |
| <i>Salmonella</i>  | Negative      |

## INGREDIENTS

NLT 23.5% D-alpha-tocopherol, with NMT 76.5% refined soy oil as carrier.

## LABELING

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In the United States and the European Union: Tocobest™ Vitamin E Oil  
D-alpha Tocopherol 350IU

## USES RECOMMENDATIONS

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The properties of VE like Antioxidant activity, Bio-membrane stabilizing activity, Promotion of blood circulation, Maintaining hormone balance and Anti-thrombosis activity give the main functions of VE. D-alpha-tocopherol products are used for fortification of margarine, oil, fat, nutrition products and infant food, or in supplements and as an antioxidant in oil and fat, also used in cosmetic products.

## HANDLING RECOMMENDATIONS

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Keep container tightly closed and away from strong light. Keep container in a cool, well-ventilated area. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

## PACKING & SHELF LIFE

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**Package** 20kg/steel drum, 50kg/steel drum or 190kg/steel drum.  
**Shelf life** 2 years if sealed and stored properly.