

TECHNICAL DATA SHEET

Tocobest™ D-alpha-tocopheryl acetate oil

1100IU m

Chemical Properties

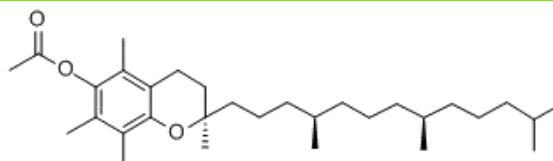
CAS No.: 58-95-7

EINECS No.: 200-405-4

INCI Name: Tocopheryl Acetate

Chemical Formula: C₃₁H₅₂O₃

Molecular Weight: 472.75



Description

Vitamin E acetate, also called tocopherol acetate, is a dry form of vitamin E that is commonly referred to as tocopherols. The acetate form is an ester, which has a much greater stability than unesterified tocopherols. One of the principle differences between the dry and oil forms of this vitamin is that the former has no immediate antioxidant properties. An antioxidant is a substance present in many all natural foods that are rich in nutrients. They help to retard the aging of cells and play a vital role in protection against free radicals.

Solubility

It is insoluble in water, but soluble in ethanol, gasoline, ethyl and vegetable oil.

Specification

Item	Specification	Test Method
Appearance	Viscous oily liquid	Organoleptic
Color	Pale yellow	Organoleptic
Specific optical rotation	Min +24°	USP<781>
Assay	Min 80.9% Min 1100 IU/g	HPLC
Acidity	Max 0.5ml	USP
Free Tocopherols	Max 1.0%	USP
Heavy Metals	Max 10ppm	USP<231>
Total Plate Count	Max 1000 CFU/g	USP<61>
Yeasts & Molds	Max 100 CFU/g	USP<61>
<i>E. Coli</i>	Negative	USP<61>
<i>Salmonella</i>	Negative	USP<61>
<i>Staphylococcus</i>	Negative	USP<61>

Ingredients

D-alpha-tocopheryl acetate NLT 80.88% and refined soybean oil NMT 19.12%. (m is short for soybean oil)

Labeling

In the United States and the European Union: Tocobest™ Vitamin E Oil

D-alpha-Tocopheryl Acetate oil 1100IU

Applications

Used for fortification of margarine, oil and fat, nutrition products and baby food, also used in soft capsules and cosmetic products.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

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.

Packaging, Storage & Shelf Life

Package	20kg/drum, 50kg/drum. Or according to customers' requirements.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Shelf Life	The product may be stored for 24 months if sealed and stored properly.