

# Covitol® 1100

## Chemical names of active ingredient

Vitamin E Acetate  
D-alpha-tocopheryl acetate  
2R,4'R,8'R-alpha-tocopheryl acetate  
RRR-alpha-tocopheryl acetate

**CAS-No.** 58-95-7

**EINECS-No.** 200-405-4

**PRD-No.**  
30528150\*

\*The product is kosher

## Articles\*\*

50229799	10 kg plastic pail
50238018	190 kg metal drum

\*\* The product is kosher. Packed under inert gas.

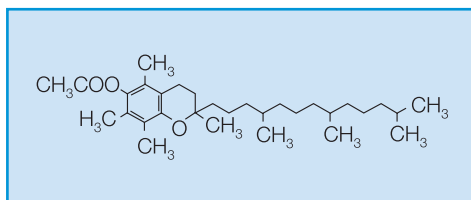
**Country of origin**  
USA

**Units**  
Biological activity and equivalencies:  
1 mg d-alpha-tocopheryl acetate = 1.36 I.U.  
= 0.91 mg alpha-TE

## Description

Covitol® 1100 is a clear yellow to pale viscous oil with mild taste and odor. It is derived from natural sources, i.e. from edible vegetable oils and is produced by suitable physical and chemical means.

The active substance in Covitol 1100 is D-alpha-tocopheryl acetate. It is also named RRR-alpha-tocopheryl acetate, an acetate ester of natural source Vitamin E, and as such stable to oxidation.



**C<sub>31</sub>H<sub>52</sub>O<sub>3</sub>**

**Molar mass 472.8 g/mol**

## Composition

Ingredients in descending order of weight:  
D-alpha-tocopheryl acetate\* and soybean oil.

\*mainly derived from soybeans

Due to the natural raw materials and the manufacturing process applied, small amounts of non-alpha-tocopheryl acetate and/or other vegetable oil constituents may be present.

## Solubility

Insoluble in water; sparingly soluble in ethanol, miscible with organic solvents, vegetable oils and fats.

## Specification

Assay	Min. 809 mg/g D-alpha-tocopheryl acetate (= min. 1100 IU of Vitamin E = 736 alpha-TE per gram)
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For further information see separate document: "Standard Specification" (not for regulatory purposes) available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

## Monographs

Covitol® 1100 meets the monograph requirements of the current USP (Vitamin E preparation) and FCC (RRR-alpha-tocopheryl acetate concentrate).

## Regulations

Covitol® 1100 is derived from genetically modified vegetable and is thus subject to labeling under EU Regulations (EC) 1829/2003 and 1830/2003 (the product is PCR negative).

D-alpha-tocopheryl acetate, the active ingredient in Covitol® 1100 is approved for the use as a Vitamin E source in most countries. However, specific regulations on the product in the respective countries and for its intended use have to be observed.

## Stability, Storage and Handling

Stored in its unopened original packaging at 10 – 30 °C (i.e. 50 – 85 °F, do not refrigerate) Covitol® 1100 is stable for at least 48 months. At max. 50 °C the product is stable for at least 12 months.

Covitol® 1100 is stable to acid; unstable to alkali and oxidizing agents.

The esterified form of vitamin E is rather stable to light and oxygen, however, exposure should be limited.

During long-term storage the product should preferably be stored tightly sealed in a cool and dry place, protected from heat, light and oxygen. Covitol® 1100 may crystallize upon exposure to cold temperatures. If crystallization occurs, gently heat the product at 45 – 50 °C until it returns to its liquid state (homogenous oily form). Depending on the packaging size gently heating is allowed for 12 – 72 hours. This treatment will not affect the potency or stability of Covitol® 1100.

## Applications

### Dietary supplements and Food products:

Covitol® 1100 is intended for use as vitamin E in dietary supplements (e.g. soft gelatin capsules) and food industry.

## Note

Covitol® 1100 must be handled in accordance with the Safety Data Sheet.

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