

# Covitol® F350 GFP

## Chemical names of active ingredient

Vitamin E

D-alpha-tocopherol

2R,4'R,8'R-alpha-tocopherol

5,7,8-trimethyltolcol

RRR-alpha-tocopherol

**CAS-No.** 59-02-9

**EINECS-No.** 200-412-2

**PRD-No.**  
30539111\*

\*The product is kosher

## Articles\*\*

50211482 15 kg fibre drum (with PE liner)

\*\*Packed under inert gas

## Country of origin

USA

## Units

Biological activity and equivalencies:

1 mg D-alpha-tocopherol = 1.49 IU  
= 1.0 mg alpha-TE

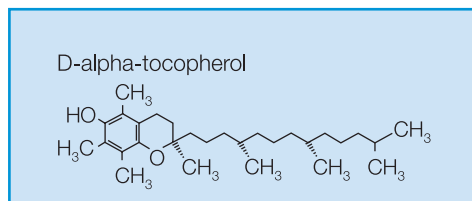
## Composition

Ingredients in descending order of weight:

Modified food starch, D-alpha-tocopherol\*, natural mixed tocopherols\*, soybean oil, and silicon dioxide.

\*mainly derived from soybeans

Due to the natural raw materials and the manufacturing process applied, small amounts of other vegetable oil constituents may be present.



$C_{29}H_{50}O_2$

Molar mass 430.7 g/mol

## Description

Covitol® F350 GFP is a cream to tan colored powder with a bland to mild taste and odor. It contains natural source D-alpha-tocopherol with natural mixed tocopherols, which are obtained from edible vegetable oils produced by suitable physical and chemical means.

The major active substance in Covitol® F350 GFP is D-alpha-tocopherol. The vitamin E activity of D-beta-, D-gamma-, and D-delta-tocopherol is lower than of D-alpha-tocopherol.

Covitol® F350 GFP is made by spray drying the active ingredient on a carrier of modified food starch followed by surface treatment with silicon dioxide for proper flow performance.

## Solubility

Dispersible in cold water. Insoluble in vegetable oils and in organic solvents.

## Specification

Assay	Min. 235 – 336 mg/g D-alpha-tocopherol (=350 – 500 IU of Vitamin E)
	Min. 59 – 180 mg/g non-alpha-tocopherols

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® F350 GFP meets the monograph requirements of the current USP (Vitamin E preparation) and FCC (RRR-alpha-tocopherol concentrate, mixed, High-alpha-Type).

## Regulations

The active ingredient D-alpha-tocopherol (and mixed tocopherols) 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-tocopherol, the active ingredient in Covitol® F350 GFP is approved for the use as an antioxidant and 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.

## Bulk density

0.25 – 0.50 g/ml

## Stability, Storage and Handling

Stored in its unopened original packaging at max. 30 °C (i.e. max. 85 °F), the product is stable for at least 18 months. At max. 50 °C the product is stable for at least 6 months.

The product should be stored tightly sealed in a cool and dry place, protected from heat, light and oxygen.

Unstable when exposed to oxygen and light, particularly in the presence of oxidizing agents or in alkaline media.

Once opened, it is recommended to flush the packaging with an inert gas and/or to use the remaining content as quickly as possible.

## Applications

### *Dietary supplements and Food products:*

Covitol® F350 GFP is recommended for multivitamin tablets or capsules, chewable tablets and drink mixes. The product has minimal interactions with other ingredients commonly used in multivitamins, i.e. other vitamins, minerals and excipients. Abrasive excipients and overblending should be avoided and compression pressure should be minimized. An overage of at least 10% is recommended.

## Note

Covitol® F350 GFP must be handled in accordance with the Safety Data Sheet.

---

This document, or any information provided herein does not constitute a legally binding obligation of BASF and has been prepared in good faith and is believed to be accurate as of the date of issuance. Unless expressly agreed otherwise in writing in a supply contract or other written agreement between you and BASF:

- To the fullest extent not prohibited by the applicable laws, BASF EXPRESSLY DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, BY FACT OR LAW, INCLUDING ANY IMPLIED WARRANTIES, REPRESENTATIONS OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, NON-INFRINGEMENT, AND ANY REPRESENTATIONS, WARRANTIES, CONDITIONS OR GUARANTEES, ARISING FROM STATUTE, COURSE OF DEALING OR USAGE OF TRADE and BASF HEREBY EXPRESSLY EXCLUDES AND DISCLAIMS ANY LIABILITY RESULTING FROM OR IN CONNECTION WITH THIS DOCUMENT OR ANY INFORMATION PROVIDED HEREIN, including, without limitation, any liability for any direct, consequential, special, or punitive damages relating to or arising therefrom, except in cases of (i) death or personal injury to the extent caused by BASF's sole negligence, (ii) BASF's willful misconduct, fraud or fraudulent misrepresentation or (iii) any matter in respect of which it would be unlawful for BASF to exclude or restrict liability under the applicable laws;
- Any information provided herein can be changed at BASF's sole discretion anytime and neither this document nor the information provided herein may be relied upon to satisfy from any and all obligations you may have to undertake your own inspections and evaluations;
- BASF rejects any obligation to, and will not, automatically update this document and any information provided herein, unless required by applicable law; and
- This document or any information provided herein must not be used for purposes of pharmaceutical registrations.

If you have any further questions or need additional support, please contact your BASF sales representative.