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Covitol® 700 WD

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.
30528276*

*The product is kosher

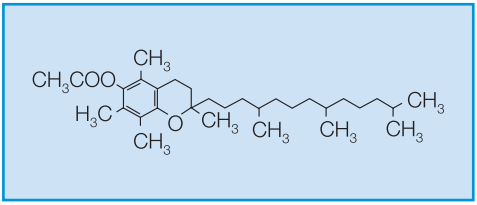
Articles

50207446	25 kg fiber drum (with PE liner)

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® 700 WD is a water dispersible fine powder with an off-white to beige color, and mild odor and taste. The active ingredient, Vitamin E acetate concentrate, is derived from natural sources, i.e. from edible vegetable oils and is produced by suitable physical and chemical means.
Covitol® 700 WD is made by spray drying the active ingredient with gum acacia and silicon dioxide.
The active substance in Covitol® 700 WD 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.



$C_{31}H_{50}O_2$ **Molar mass 472.8 g/mol**

Composition
Ingredients in descending order of weight:
D-alpha-tocopheryl acetate*, gum acacia, and silicon dioxide.

* mainly derived from soybeans

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

Solubility
The product is dispersible in water and insoluble in vegetable oils and in organic solvents.

Specification

Assay	Min. 515 mg/g D-alpha-tocopheryl acetate (= min. 700 IU of Vitamin E = 469 alpha-TE per gram)

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

Regulations

The active ingredient D-alpha-tocopheryl acetate 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® 700 WD 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.

Bulk density

0.35 – 0.55 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 48 months. At max. 50 °C the product is stable for at least 12 months.
Covitol® 700 WD 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.

Applications

Dietary supplements and Food products:
Covitol® 700 WD is intended for use in dry powder mixes, powdered drink mixes, formulas of chewable tablets and hard gelatin capsules where the Vitamin E concentration is low (approx. 5%). However, Covitol® 700 WD is generally not intended for tableting, because it will not withstand the pressure applied during tableting or encapsulation.
Because the product is water dispersible, the product is ideal in effervescent tablets. It may be formulated in dry food products or it can be used in other products where the oil from of natural source Vitamin E is not practical or not wanted. Covitol® 700 WD has minimal interaction with other ingredients commonly used in multivitamin products, i.e. other vitamins, minerals and excipients.

Note

Covitol® 700 WD must be handled in accordance with the Safety Data Sheet.