

Covitol® F-1490

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.

30536886*

* The product is kosher

Articles**

50210878 10 kg plastic pail

50229912 190 kg metal drum

** Packed under inert gas

Country of origin

USA

Units

Biological activity and equivalencies:

1 mg d-alpha-tocopherol = 1.49 I.U.

= 1.0 mg alpha-TE

Description

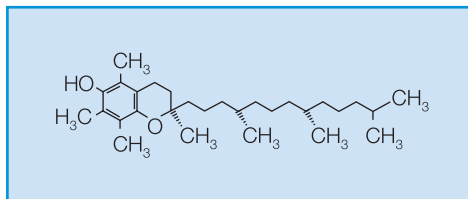
Covitol® F-1490 is a clear amber viscous oil with mild taste and odor. It is derived from natural sources, i.e. from edible vegetable oils and is produced by suitable physical and chemical means. The active substance in Covitol® F-1490 is D-alpha-tocopherol.

Composition

Ingredients in descending order of weight:

D-alpha-tocopherol*

* mainly derived from soybeans



$C_{29}H_{50}O_2$

Molar mass 430.7 g/mol

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D-alpha-tocopherol*

* mainly derived from soybeans

Due to the natural raw materials and the manufacturing process applied, small amounts of non-alpha-tocopherol 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. 960 mg/g D-alpha-tocopherol (= 1430 IU of Vitamin E)
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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® F-1490 meets the monograph requirements of the current USP (Vitamin E) and FCC (RRR-alpha-tocopherol concentrate).

Regulations

Covitol® F-1490 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® F-1490 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.

Stability, Storage and Handling

Stored in its unopened original packaging at 10 – 30 °C (i.e. 50 – 85 °F, do not refrigerate) Covitol® F-1490 is stable for at least 36 months. The product should be stored tightly sealed in a cool and dry place, protected from heat, light and oxygen.

It darkens slowly upon exposure to air and light. Furthermore, it is particularly unstable in the presence of oxidizing agents or in alkaline media. Once opened, it is recommended to flush the packaging with an inert gas and to use the remaining content as quickly as possible.

Applications

Dietary supplements and Food products:

Covitol® F-1490 is intended for use as vitamin E in dietary supplements (e.g. soft gelatin capsules) and foods.

Note

Covitol® F-1490 must be handled in accordance with the Safety Data Sheet.

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