

Vitamin E-Acetate (DL-alpha-tocopheryl acetate)



Active ingredient

Vitamin E acetate (dl- α -tocopheryl acetate)

PRD-No.

30041054

Articles

55434595	5 kg plastic can
55434171	25 kg plastic bucket
57425300	190 kg steel drum

Specification

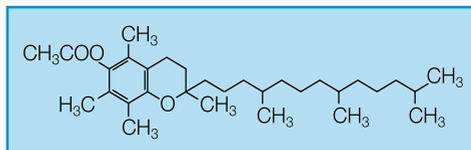
Content	at least 96% – 102% (according to USP, FCC, Ph. Eur.)
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For further information see separate document: "Standard Specification (not for regulatory purposes)" available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

Other chemical and physical data

Heavy metals	≤ 10 ppm
Relative density d_{20}^{20}	0.952 – 0.966
Acid number	≤ 2
Refractive index n_D^{20}	1.494 – 1.498
Acidity (USP, FCC)	complies
Specific extinction E_1^1 (in absolute ethanol)	42 – 45 (284 nm) 7 – 9 (254 nm)
Formulation	liquid
Solubility	soluble in hydrocarbons, alcohols, fats and oils; insoluble in water.

If not stated otherwise, the analytical methods are to be taken from the Ph. Eur. The product complies with the appropriate monograph of the Ph. Eur., USP, and FCC, and it can be supplied in accordance with the requirements of the JP.



$C_{31}H_{52}O_3$

Molar mass 472.8 g/mol

Stability

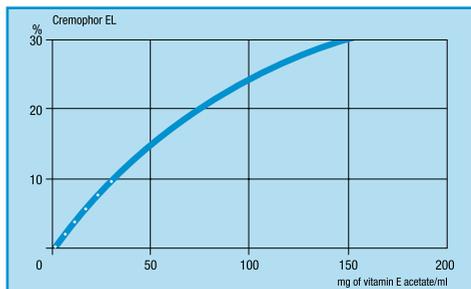
In contrast to vitamin E alcohol, vitamin E acetate is very stable to heat and oxygen. It is unstable to alkalis (hydrolysis) and oxidants. Up to 25 °C, the product has a storage life of 36 months in the unopened original packaging. The instructions in the safety data sheet should be observed.

Use

For the preparation of liquid vitamin E preparations for oral and parenteral use.

In aqueous formulations, the use of solubilizers, for example Cremophor® EL or Cremophor RH 40, is necessary.

The figure below shows the ratio of vitamin E acetate to Cremophor EL necessary in the final solution:



A sterilization of the final preparation is necessary for parenteral use.

Dosage recommendations

Please refer to “Vitamins – Vitamin E.”

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