

## Technical Information

**Vitamin E-Acetate Care**

PRD 30499500

Valid since 05.04.2018  
Revision 4.0  
WF-No. 15456  
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**Care Chemicals****Active ingredient for the cosmetics industry****INCI name(s)**

Tocopheryl Acetate

**Chemical description**

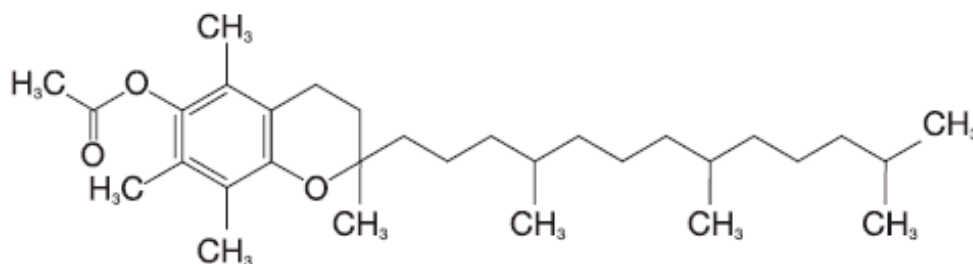
DL-alpha-tocopheryl acetate, DL-alpha-tocopherol acetate, all-rac-alpha-tocopherol acetate, racemic 5,7,8-trimethyltolcol acetate

**Physical form:**

Light yellow, viscous oil with practically no odor

**Molecular weight**

472.8 g/mol

**Molecular Formula**C<sub>31</sub>H<sub>52</sub>O<sub>3</sub>**Structural Formula**

**CASR-No.**  
7695-91-2

**Ingredient**  
DL-alpha-tocopheryl-acetate

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**Care Chemicals****Characteristic values**

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

**Quality control data**

(Data which is used for quality release and is certified for each batch.)

<b>Test property</b>	<b>Specification</b>
Appearance	yellowish viscous oil
Identity	must conform
Tocopheryl acetate (GC)	96.5 - 102.0 g/100g
Tocopheryl acetate (GC)	96.0 - 102.0 g/100g
Tocopheryl acetate (GC)	960 - 1020 IU/g
Impurity A	max. 0.5 Area-%
Impurity B	max. 1.5 Area-%
Impurity C	max. 0.5 Area-%
Sum Impurity D and E	max. 1.0 Area-%
any other Impurity	max. 0.25 Area-% each
Sum Impurities	max. 2.5 Area-%
Optical rotation	-0.01° - +0.01°
Acidity	must conform
* Residual solvent (Methanol - class 2)	max. 3000 mg/kg
* Residual solvent (Heptane - class 3)	max. 0.5 g/100g

Specific methods used for batch release see Certificate of Analysis.

**Notes:**

(\*) Test verified on random samples



We create chemistry

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**Care Chemicals**

## Storage information

### Shelf life

36 months

### Storage temperature

Room temperature

### Storage conditions

In original sealed containers and protected from moisture

### Additional information

Vitamin E Acetate is stable towards heat and oxygen, in contrast to Vitamin E alcohol (Tocopherol). It is not resistant towards alkalis, as it undergoes saponification, or to strong oxidizing agents.

## Stabilising additives / Auxiliaries

### Preservatives

not present

### Antioxidants

Product is an antioxidant

### Solvents

not present

### Others

not present

## General information

### Raw material basis

Synthetic: (mineral oil / natural gas)

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**Care Chemicals****Composition hints for finished product label****INCI Components**

<b>INCI Name (US/EU/CN)</b>	<b>Content</b>
Tocopheryl Acetate	Complete *

\* Complete means conclusively describes the substance

**Product properties****Solubility**

Miscible with hydrocarbons, alcohols, fats and oils; insoluble in water.

**Miscellaneous information**

This product is primarily intended for use as ingredients in personal care applications and conform alone to the analytical specification of the respective pharmaceutical monograph (Ph. Eur. and/or USP).

This is not to be understood as conformance with pharmaceutical or food regulations management system requirements in excess of the analytical specification.

**Example of use**

Vitamin E Acetate is an active ingredient for use in cosmetic products for the skin and the hair. As an in-vivo antioxidant, it protects the cells against free radicals and prevents the peroxidation of body fats. It is also an effective moisturizing agent and improves the elasticity and smoothness of the skin. It is particularly suitable for use in sun-protection products and products for daily personal care.

**Intended for use as cosmetic ingredient****Disclaimer**

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