

SPECIFICATION Vitamin E Acetate 98 % (EP)

Production unit Zhejiang NHU Company

Description

Synonym DL-alpha-tocopheryl acetate,
All-rac-alpha-tocopheryl acetate (3a700)

Formula $C_{31}H_{52}O_3$

Product Code YYEJ02

CAS No 7695-91-2

INCI Tocopheryl acetate

Properties

Aspect Clear, colourless to slightly yellow or greenish-yellow,
viscous, oily liquid

Solubility practically insoluble in water, freely soluble in acetone,
in anhydrous ethanol and in fatty oils, soluble in ethanol
(96 %)

Shelf life 36 months after production date in unopened original
packaging

Assay (GC) 96,5 % - 102 %

Identification A, B, C A: Optical rotation
B: IR spectrum
C: TLC: Spot similar to reference solution, detection at
254 nm

Optical Rotation - 0,01° to + 0,01 °

Acid Value Max. 1,0 ml of 0,10 N sodium hydroxide

Sulphated ash Max. 0,10 %

Heavy metals ≤ 10 mg/kg*

Arsenic (As) ≤ 1 mg/kg*

Lead (Pb) ≤ 0,5 mg/kg*

Mercury (Hg) ≤ 0,1 mg/kg*

Cadmium (Cd) ≤ 0,5 mg/kg*

* Test verified on random samples

Residual Solvents Conform to EP requirements

Related Substances

Impurity A	≤ 0,5 %
Impurity B	≤ 1,5 %
Impurity C (free tocopherol)	≤ 0,5 %
Sum of Impurity D + E	≤ 1,0 %
Any other Impurities	≤ 0,25 % (for each impurity)
Total Impurities	≤ 2,5 %

Handling

Stability Vitamin E acetate is stable to air and heat, but sensitive to light and alkalis

Usage

food and cosmetic industry
product can also be used as feed additive (3a700),
dosage in feed: as per latest version of European
feedstuff law

Storage

Material needs to be stored in the original unopened
packing, protected from light in a dry place

Transport instructions

See our latest safety data sheet

NHU EUROPE GmbH

SPECIFICATION Vitamin E Acetate 98 % (USP)

Production unit Zhejiang NHU Company

Description

Synonym DL-alpha-tocopheryl acetate,
All-rac-alpha-tocopheryl acetate (3a700)

Formula $C_{31}H_{52}O_3$

Product Code YYEJ02

CAS No 7695-91-2

INCI Tocopheryl acetate

Properties

Shelf life 36 months after production date in unopened original packaging

Aspect Clear, colourless to slightly yellow or greenish-yellow, viscous, oily liquid

Assay (GC) Min. 98 %

Identification A, B, C

- A: Colour reaction: red or orange
- B: Optical rotation
- C: The retention time of the major peak for alpha tocopherol of the sample solution corresponds to that of the standard solution, as obtained in the Assay.

Optical Rotation - 0,01° to + 0,01 °

Acid Value ≤ 2,0 mg KOH/g

Sulphated ash ≤ 0,10 %

Heavy metals ≤ 10 mg/kg*

Arsenic (As) ≤ 1 mg/kg*

Lead (Pb) ≤ 0,5 mg/kg*

Mercury (Hg) ≤ 0,1 mg/kg*

Cadmium (Cd) ≤ 0,5 mg/kg*

* Test verified on random samples

Residual Solvents Conform to USP requirements

Handling

Stability

Vitamin E acetate is fairly stable to air and heat, but sensitive to light and alkalis

Usage

food and cosmetic industry

product can also be used as feed additive (3a700), dosage in feed: as per latest version of European feedstuff law

Storage

Material needs to be stored in the original unopened packing, protected from light in a dry place

Transport instructions

See our latest safety data sheet

NHU EUROPE GmbH