

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