

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

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 °

Density (20 °C)

0,952 - 0,966 g/ml

Refractive index (20 °C)

1,494 - 1,498

Acid Value

Max. 2,0 mg KOH/g

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)

≤ 1 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 °

Density (20 °C)

0,952 - 0,966 g/ml

Refractive index (20 °C)

1,494 - 1,498

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)

≤ 1 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