

SPECIFICATION (complying to EP)

Product name Vitamin E Acetate 98 %
Product code YYEJ02
Production site Zhejiang NHU Company

Description

Synonym DL-alpha-tocopheryl acetate,
All-rac-alpha-tocopheryl acetate (3a700)
Formula $C_{31}H_{52}O_3$
Molecular weight 472,8 g/mol
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 Life Science GmbH



**SPECIFICATION (complying to USP)**

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Formula $C_{31}H_{52}O_3$
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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 Max. 1,0 ml of 0,10 N sodium hydroxide
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*

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Residual Solvents Conform to USP requirements



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