

SPECIFICATION

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

Shelf life 36 months after production date in unopened original packaging
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 %)
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

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

Usage For food and cosmetic applications

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

Storage Store in cool and dry place in original unopened containers.

Transport See latest safety data sheet

This product complies with EP, USP and BP.

NHU Life Science GmbH





SPECIFICATION

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

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*

* Test verified on random samples

Residual Solvents Conform to USP requirements



Handling

Stability

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

Usage

food and cosmetic industry

Storage

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

Transport instructions

please see our latest MSDS

This product complies to EP.

NHU Life Science GmbH

