



NHU EUROPE GmbH, Daimlerstrasse 14-16, D-21357 Bardowick

TO WHOM IT MAY CONCERN

NHU EUROPE GmbH
Daimlerstrasse 14-16
21357 Bardowick
Deutschland

Telefon: + 49 4131 58088-00
E-Mail: info@nhu-eu.com

Bardowick, March 2019

SPECIFICATION

Vitamin E Acetate 98 % USP/EP

Ingredients

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

Corresponds

Optical Rotation

- 0,01° to + 0,01 °

Density (20 °C)

0,952 - 0,966 g/ml

Refractive index (20 °C)

1,494 - 1,498

Absorbance ratio

At about 284 nm (max.) 42,0 - 45,0

At about 254 nm (max.) 7,5 - 9,0

Acid Value

Max. 2,0 mg KOH/g

Sulphated ash

Max. 0,10 %



Heavy metals	Max. 10 mg/kg*
Arsenic (As)	Max. 1 mg/kg*
Lead (Pb)	Max. 2 mg/kg*
Mercury (Hg)	Max. 0,1 mg/kg*
Cadmium (Cd)	Max. 1 mg/kg*

* Test verified on random samples

Residual Solvents Conform to USP & EP requirements

Related Substances

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

Handling

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

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

MSDS Yes

classified as hazardous
as per EU regulation No

NHU EUROPE GmbH