

SPECIFICATION

Vitamin E Acetate 98 % EP

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
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	≤ 10 mg/kg*
Arsenic (As)	≤ 1 mg/kg*
Lead (Pb)	≤ 2 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 fairly stable to air and heat, but sensitive to light and alkalis

Usage food and cosmetic industry
not allowed to be used in infant food!

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

MSDS Yes

classified as hazardous
as per EU regulation No

NHU EUROPE GmbH

SPECIFICATION**Vitamin E Acetate 98 % USP****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	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
Absorbance ratio	At about 284 nm (max.) 42,0 - 45,0 At about 254 nm (max.) 7,5 - 9,0
Acid Value	≤ 2,0 mg KOH/g
Sulphated ash	≤ 0,10 %
Heavy metals	≤ 10 mg/kg*
Arsenic (As)	≤ 1 mg/kg*
Lead (Pb)	≤ 2 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
not allowed to be used in infant food!

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

MSDS

Yes

classified as hazardous
as per EU regulation

No

NHU EUROPE GmbH