



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

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## SPECIFICATION

### Vitamin E 50 % CWS/S Food Grade USP/EP

#### Description

Ingredients

Vitamin E Acetate 50 % CWS/S consists of dl-alpha tocopheryl acetate (Ph. Eur./USP/FCC), modified starch, silicon dioxide as anti-caking agent

Synonym

dl-alpha-tocopheryl acetate, ALL-RAC-alpha-tocopheryl-acetate

Formula

$C_{31}H_{52}O_3$

Product code

SP05-02

CAS No

7695-91-2

#### Properties

Shelf life

24 months after production date in unopened original packaging

Aspect

white or off white free flowing powder

Assay

Min. 50 %

Loss on drying

Max. 3,0 %

Solubility

Dispersible in cool water, forming a milky emulsion

Sieve analysis

100 % through sieve no. 40 (US)

Min. 90 % through sieve no. 60 (US)

Min. 45 % through sieve no. 100 (US)

Identification

EP:

First identification: B

Second identification: A

A. Thin-layer chromatography

B. Examine the chromatograms obtained in the assay

USP:

A. A bright red or orange colour develops

B. Optical rotation: the dl-forms show essentially no optical rotation

C. The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay



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

### **Microbiological specs**

Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
Coliforms	≤ 0,3 MPN/g
Salmonella	Negative (in 25 g)

### **Handling**

Stability	Once opened, use content quickly
Storage	Store in a cool and dry place

Transport instructions      See our latest safety data sheet

MSDS      Yes

classified as hazardous  
as per EU regulation      No

**NHU EUROPE GmbH**