

## SPECIFICATION

## Vitamin E 15 % CWS/S Food Grade (EP/USP)

### Production unit

Xinchang NHU Vitamins

### Description

#### Ingredients

Vitamin E 15 % CWS/S consists of dl-alpha tocopheryl acetate, modified starch.

#### Synonym

dl-alpha tocopheryl acetate, All-Rac-alfatocopheryl acetate

#### Formula

$C_{31}H_{52}O_3$

#### Product code

SP05-18

#### CAS No

7695-91-2

### Properties

#### Shelf life

24 months after production date in unopened original packaging

#### Aspect

white to slightly yellowish powder

#### Assay (UV)

Min. 15 % Tocopheryl acetate

#### Loss on drying

Max. 5,0 %

#### Turbidity in water at 50 °C

<25 NTU (0,02 % aqueous solution)

#### Sieve analysis

Min. 60 % through sieve no. 80 (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: for preparation labelled to contain all-rac forms:  $-0,01^\circ$  to  $+0,01^\circ$

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. 0,5 mg/kg

### Microbiological specs

Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
Coliforms	≤ 0,3 MPN/g
Staphylococcus aureus	Negative in 10 g
Salmonella	Negative in 25 g

### Handling

Usage for food industry

Storage recommendation In Original unopened containers at a temperature below 25 °C

## NHU EUROPE GmbH