

## SPECIFICATION

**Product name** Vitamin E 50 % CWS/S Food Grade (EP/USP)  
**Product code** SP05-02  
**Production unit** Xinchang NHU Vitamins

### 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<sub>31</sub>H<sub>52</sub>O<sub>3</sub>

**Molecular weight** 472,8 g/mol

**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 (UV)** Min. 50 % Tocopheryl acetate

**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:  
For Preparation labeled to contain 'RRR' (USP 1-Aug-2019) isomers: NLT +24°; for preparation labeled to contain 'all-rac' (USP) forms: -0.01 ° to +0.01 °  
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
Cadmium (Cd)	Max. 0,5 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

Usage for food and cosmetic industry

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

## NHU EUROPE GmbH