

SPECIFICATION

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

Product code SP05-18

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-alpha-tocopheryl acetate

Formula C₃₁H₅₂O₃

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 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° 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



Version: 1.00.0003
Date: 14.03.2025

Heavy metals
Arsenic (As) Max. 10 mg/kg
Lead (Pb) Max. 1 mg/kg
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 25 g
Salmonella Negative in 25 g

Handling

Usage for food industry

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

NHU Life Science GmbH

