

SPECIFICATION

Product name Vitamin E 50 % DC Food Grade (EP/USP)
Product code SP05-06
Production unit Xinchang NHU Vitamins

Description

Ingredients Vitamin E Acetate 50 % DC consists of dl-alpha tocopheryl acetate (Ph. Eur./USP/FCC), gelatine, maltodextrin, glucose, gum Arabic, silicon dioxide as anti-caking agent

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 or light yellow free-flowing powder

Assay (UV) ≥ 50 % Tocopheryl acetate

Loss on drying ≤ 4,0 %

Solubility Dispersible in warm water (35 – 40 °C) forming a milky emulsion

Sieve analysis ≥ 90 % through sieve no. 40 (US)
≤ 65 % through sieve no. 120 (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 the 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

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
Salmonella Negative in 25 g

Handling

Usage be applied to direct compression and hard-shell capsules

Storage recommendation In Original unopened containers at a temperature below 25 °C, once opened, use content quickly. Store in a cool, dry place

NHU EUROPE GmbH