

SPECIFICATION

Vitamin E 50 % CWS/S Food Grade (EP/USP)

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

$C_{31}H_{52}O_3$

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 % 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: 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. 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