

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

C₃₁H₅₂O₃

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 (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

E 50 CWS/S/SP05-02/060423/av

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Bank account USD
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