

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	$C_{31}H_{52}O_3$
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



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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 Life Science GmbH

