



## SPECIFICATION

<b>Product name</b>	<b>Vitamin E 50 % DC</b>
<b>Product code</b>	<b>SP05-06</b>
<b>Production unit</b>	<b>Xinchang NHU Vitamins</b>
<b>Description</b>	
Ingredients	Vitamin E Acetate 50 % DC consists of dl-alpha tocopheryl acetate (EP/USP/FCC), gelatine (FCC), maltodextrin (FCC), glucose (FCC), gum Arabic (E414), silicon dioxide (E551) 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
<b>Properties</b>	
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

Identification	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
<b>Heavy metals</b>	
Arsenic (As)	≤ 1 mg/kg
Lead (Pb)	≤ 0,5 mg/kg
Cadmium (Cd)	≤ 0,5 mg/kg
Mercury (Hg)	≤ 0,1 mg/kg
<b>Microbiological specs</b>	
Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
Coliforms	≤ 10 CFU/g
E. Coli	negative in 10 g
Salmonella	negative in 25 g
Staph. aureus	negative in 25 g
<b>Handling</b>	
Usage	For food applications; could be used for direct compression and hard-shell capsules.
Storage	Store in cool and dry place in original unopened containers at a recommended temperature below 25 °C.
Transport	See latest safety data sheet

This product complies to EP, USP and FCC.

## NHU Life Science GmbH