

## SPECIFICATION

<b>Product name</b>	<b>Vitamin E 50 % CWS/S</b>
<b>Product code</b>	<b>SP05-02</b>
<b>Production unit</b>	<b>Xinchang NHU Vitamins</b>
<b>Description</b>	
Ingredients	Vitamin E Acetate 50 % CWS/S consists of dl-alpha tocopheryl acetate (EP/USP/FCC), modified starch (E1450), silicon dioxide (E551) as anti-caking agent
Synonym	dl-alpha-tocopheryl acetate, ALL-RAC-alpha-tocopheryl-acetate
Formula	C <sub>31</sub> H <sub>52</sub> O <sub>3</sub>
Molecular weight	472,8 g/mol
CAS No	7695-91-2
<b>Properties</b>	
Shelf life	36 months after production date in unopened original packaging
Aspect	white or off white free flowing powder
Assay (HPLC)	≥ 50 % tocopheryl acetate
Loss on drying	≤ 3,0 %
Solubility	Dispersible in cool water, forming a milky emulsion
Sieve analysis	100 % through sieve no. 40 (US) ≥ 90 % through sieve no. 60 (US) ≥ 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 labelled to contain 'RRR' (USP 1-Aug-2019) isomers: NLT +24°; for preparation labelled 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

Arsenic (As)	≤ 1 mg/kg
Lead (Pb)	≤ 0,5 mg/kg
Cadmium (Cd)	≤ 0,5 mg/kg
Mercury (Hg)	≤ 0,1 mg/kg

### Microbiological specs

Total plate count	≤ 1000 CFU/g
Mould and Yeast	≤ 100 CFU/g
Coliforms	≤ 10 CFU/g
Salmonella	negative in 25 g

### Handling

Usage For food and cosmetic applications

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 with EP, USP and FCC.

## NHU Life Science GmbH

