



4# Jiangbei Road, Xinchang,  
312500, Zhejiang, P.R. China  
Tel: +86-575-86124477  
Fax: +86-575-86131560  
E-Mail: [zbb@nhu.net](mailto:zbb@nhu.net)  
Website: <http://www.cnhu.com/>  
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## SPECIFICATION

### Vitamin E Acetate 98% EP/USP

Product name	Vitamin E Acetate 98% EP/USP
Product Number	YYEJ02
Synonyms	all-rac- $\alpha$ -Tocopheryl acetate; dl-alpha-tocopheryl acetate
Molecular formula	$C_{31}H_{52}O_3$
CAS NO.	7695-91-2
Molecular weight	472.75
Appearance	Colourless to slightly yellow or greenish-yellow clear viscous oil
Solubility	practically insoluble in water, freely soluble in acetone, in ethanol and vegetable oils.
Assay (GC)	$\geq 98.0\%$
Identification A、B、C	correspond — impurity A: $\leq 0.5\%$ — impurity B: $\leq 1.5\%$ — impurity C (free tocopherol): $\leq 0.5\%$
Related substances	— total impurity D and E: $\leq 1.0\%$ — any other impurity: for each impurity, $\leq 0.25\%$ — total: $\leq 2.5\%$
Optical Rotation	$-0.01^\circ$ To $+0.01^\circ$
Acidity	$\leq 2.0$
Free tocopherol (titration)	$\leq 0.6\%$
Sulphated ashes	$\leq 0.10\%$
Heavy metal	$\leq 10\text{ppm}$
Lead	$\leq 2\text{ppm}$
Arsenic	$\leq 1\text{ppm}$
Refractive	1.494~1.498
Absorbance	42.0~45.0 max. at about 284nm 7.5~9.0 min. at about 254nm
Density(20°C)	0.952~0.966 g/ml
OVI	meet the requirements
Packaging	25kg, 50kg, 190kg steel drum, 950kg TOTE, 5kg, 20kg aluminum tin or on customer's request.
Stability and storage	Vitamin E acetate is fairly stable to air and heat, but sensitive to light and alkalis. It is stable for at least three years if it is kept in the unopened original container at below 25°C.
Notice	1IU = 1USPU = 1mg vitamin E acetate

This product correspond with EP/USP Standard.