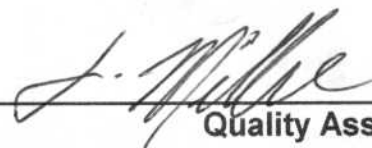


# Certificate of Analysis

Trade Name:  
CAS #:

Vitamin E Acetate  
7695-91-2

<i>Test</i>	<i>Specification</i>	<i>Results</i>
Description	Clear, colorless or slightly greenish yellow, Viscous, Oily liquid, EP/USP/FCC	Clear Slightly greenish-yellow, Viscous, oily liquid
<b>Identification</b>		
Optical Rotation	-0.01°~+0.01°, EP	0.000°
IR	To Conform, EP/USP/FCC	Conforms
TLC	To Conform	Conforms
Color Reaction	To Conform, USP/FCC	Conforms
Retention Time, GC	To Conform, USP/FCC	Conforms
Assay	96.5%~102.0%, EP 96.0%~102.0%, USP/FCC	98.8%, EP 99.2%, USP/FCC
<b>Related Substances</b>		
Impurity A	≤0.5%, EP	<0.1%
Impurity B	≤1.5%, EP	0.49%
Impurity C	≤0.5, EP	<0.1%
Impurities D & E	≤1.0%, EP	<0.1%
Any Other Impurity	≤0.25%, EP	<0.1%
Total Impurities	≤2.5%, EP	0.49%
Acidity	≤1.0ml, USP/FCC	0.05ml
<b>Residual Solvents:</b>		
Isobutyl Acetate	≤0.5%, In house	<0.06%
<b>Heavy Metals</b>		
Pb	≤2 mg/kg, FCC	<0.06 mg/kg
Specific Absorbance (E 1% tcm)	7.5~9.0 42.0~44.0	7.6 42.4
<b>Microbiological Tests</b>		
Arsenic	≤1 mg/kg, In house	<1 mg/kg
Copper	≤25 mg/kg, In house	<0.5 mg/kg (BLD)
Zinc	≤25 mg/kg, In house	<0.5 mg/kg (BLD)



Quality Assurance