

QUALITY SPECIFICATION

DL-alpha-Tocopherol acetate

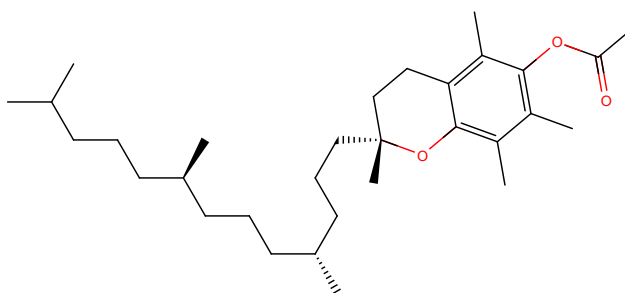
Catalog No.: NST-12-43

CAS No.: 7695-91-2

Molecular formula: $C_{31}H_{52}O_3$

MW: 472.74

Shelf life: 2 years



No.	Parameter	Specification
1.	Appearance	Viscous, oily liquid
2.	Color	Clear, colourless to slightly yellow or greenish-yellow
3.	Identification	Conforms
4.	Assay	≥98.0 %
5.	Solubility	It is miscible with ethanol (99.5), with acetone, with chloroform, with diethyl ether, with hexane and with vegetable oils. It is freely soluble in ethanol (95), and practically insoluble in water
6.	Absorbance	284 nm (41.0-45.0)
7.	Refractive index (20 °C)	1.494-1.499
8.	Specific gravity (20 °C)	0.952 g/ml – 0.966 g/ml
9.	Clarity and color of solution	Dissolve 0.10 g of Tocopherol Acetate in 10 ml of ethanol (99.5): the solution is clear, and has no more color than the control solution
10.	Heavy Metals	≤10 ppm
11.	Lead	≤2 ppm
12.	Arsenic	≤1 ppm

13.	Mercury	≤0.1 ppm
14.	Cadmium	≤1 ppm
15.	TPC	<10 ³ CFU/g
16.	TYMC	<10 ² CFU/g
17.	<i>Escherichia Coli</i>	Absent
18.	<i>Salmonella</i>	Absent
19.	<i>Staphylococcus aureus</i>	Absent

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored