



## Specification

### DL- $\alpha$ -Tocopheryl Acetate Oil 98%

**CAS Number:** 7695-91-2  
**Molecular Formula:** C<sub>31</sub>H<sub>52</sub>O<sub>3</sub>  
**Molecular Weight:** 472.74  
**Storage:** 15°C - 30°C  
**Retest Period:** Three years after date of manufacture.

Test	Specification
Appearance	Clear, slightly greenish yellow, viscous, oily liquid
Solubility	Practically insoluble in water, freely soluble in ethanol, acetone, chloroform, ether, and fixed oils
Stability	Stable when protected from light, air, and heat
Identification	Positive
Light Absorption A(1%, 1nm) 284nm A(1%, 1nm) 254nm	42.0 ~ 45.0 7.0 ~ 9.0
Refraction Index	1.50%
Free Tocopherol	≤ 1.0%
Specific Gravity	0.958g/ml
Assay	≥ 98.0%
Heavy Metals	≤ 10ppm
Arsenic	≤ 3ppm
Cadmium	≤ 1ppm
Mercury	≤ 1ppm
Lead	≤ 2ppm
Organic Volatile Impurities	Meets requirements
Total Aerobic Plate Count	≤ 1000 cfu/g
Total Yeast and Mold	≤ 100 cfu/g
Coliforms	≤ 10 cfu/g
Escherichia coli, absent in 1g	Negative
Salmonella spp., absent in 25g	Negative
Staph. Aureus	Negative

Approved:

John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager

Date: May 12, 2020



**Gojira Fine Chemicals, LLC**  
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