

Data Sheet

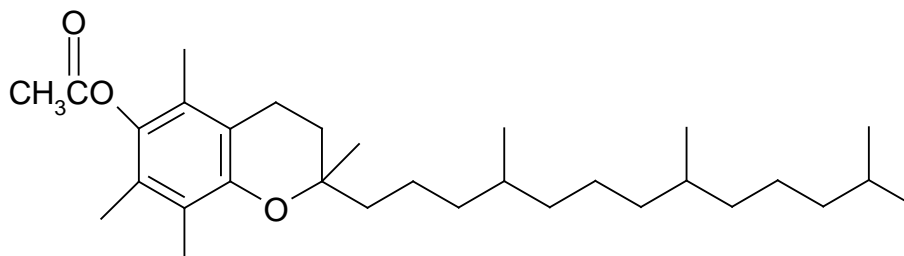
Product Description

DL-alpha-Tocopheryl Acetate is a clear, colorless, slightly greenish-yellow viscous oily liquid.

Product Identification

<i>Synonym</i>	Tocopheryl acetate
<i>CAS No.</i>	7695-91-2
<i>EINECS No.</i>	231-710-0
<i>INCI name</i>	Vitamin E acetate

Chemical Structure



Chemical Formula: $C_{31}H_{52}O_3$ Molecular Weight: 472.75

Specifications

Description	Clear, colorless, slightly greenish-yellow, viscous, oily liquid	<i>EP/USP/FCC</i>
Identification		
A: Optical rotation	-0.01°~+0.01°	<i>EP</i>
B: IR	To conform	<i>EP/USP/FCC</i>
C: TLC	To conform	<i>EP</i>
D: Color reaction	Positive	<i>USP/FCC</i>
C: Retention time	To conform	<i>USP/FCC</i>
Assay	96.5%~102.0%	<i>EP</i>
	96.0%~102.0%	<i>USP/FCC</i>
	98.0%~ 102.0%	<i>In-house</i>
Related Substances		
Impurity A	≤0.5%	<i>EP</i>
Impurity B	≤1.5%	<i>EP</i>
Impurity C	≤0.5%	<i>EP</i>
Impurity D and E	≤1.0%	<i>EP</i>
Any other Impurity	≤0.25%	<i>EP</i>
Total Impurities	≤2.5%	<i>EP</i>

Acidity	1.0 ml	<i>USP/FCC</i>
Residual Solvents		
Isobutyl acetate	≤0.5%	<i>In-house</i>
Pb	≤2 mg/kg	<i>FCC</i>
Arsenic	≤1 mg/kg	<i>In-house</i>
Copper	≤25 mg/kg	<i>In-house</i>
Zinc	≤25 mg/kg	<i>In-house</i>
Hg*	≤0.1 mg/kg	<i>In-house</i>
Cd*	≤1 mg/kg	<i>In-house</i>
Microbiological tests *		
Total viable aerobic count	≤1000 cfu/g	<i>EP/USP</i>
Total yeasts and moulds count	≤100 cfu/g	<i>EP/USP</i>
Escherichia coli	n.d./g	<i>EP/USP</i>
Salmonella	n.d./10g	<i>EP/USP</i>
Pseudomonas aeruginosa	n.d./g	<i>EP/USP</i>
Staphylococcus aureus	n.d./g	<i>EP/USP</i>
Bile-Tolerant Gram-Negative Bacteria	n.d./g	<i>EP/USP</i>

Remark: * Perform the tests regularly

Compendial requirements

The dl-alpha-tocopheryl acetate contained in this product meets all requirements of the relevant monographs of USP, FCC and Ph. Eur. when tested according to these compendia.

Storage and Stability

The product may be stored for 36 months from the date of manufacture in the unopened original container and at room temperature.

It should be protected from light, heat, oxygen and moisture. Keep the container tightly closed. Once opened, use contents quickly.

Uses

For fortification of margarine, oil and fat, nutrition products and baby food, also used in soft capsules.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene.

See Material Safety Data Sheet for full safety information.

The country of origin

China

Legal notice

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