
Product Specification

D-alpha Tocopheryl Acid Succinate

Product Name

D-alpha Tocopheryl Acid Succinate 1185IU

Natural Vitamin E

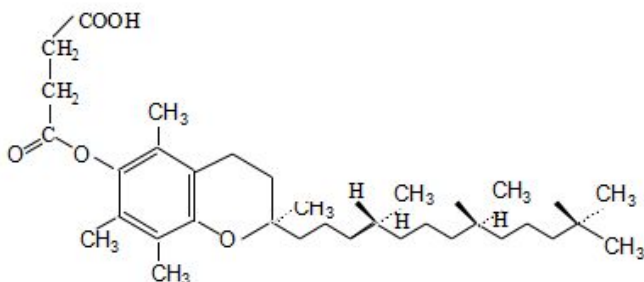
General Description

D-alpha Tocopheryl Acid Succinate 1185IU is white or almost white granular powder, with little or no odor or taste. It is derived from natural sources. i.e. from edible vegetable oil, and then produced by suitable physical and chemical means. The particle surface is treated with hydroxypropyl methyl cellulose(HPMC) to improve flow performance. D-alpha Tocopheryl Acid Succinate 1185IU is intended for use as vitamin E in the dietary supplement and food industry.

Chemical structure & CAS No.

D- α -Tocopheryl Acid Succinate

CAS: 4345-03-3; Chemical Formula: C₃₃H₅₄O₅; Molecular Weight: 530.79



Specifications

Physical & Chemical Data:

Appearance: White or almost white granular powder

Odour: Almost odorless.

Identification

A: Color reaction with HNO₃ Positive

B: Main peak in GC The retention time of the principal peak in the test solution conforms to which in the reference solution

Analytical Quality:

Specific rotation [α]_{20°C} : $\geq +24^\circ$

Acid value: 18.0~19.3ml

Assay:

Content of D-alpha Tocopheryl Acid Succinate: 96%~102%

D-alpha Tocopheryl Acid Succinate (by IU/g): min1162IU

Density: 0.45g/cm³-0.60g/cm³

Melting Point: 73~78°C

Particle Size:

Over 20 mesh: ≤1%

Over 80 mesh: 35%-99%

Over 120 mesh: ≤10%

Contaminant:

Pb: <2ppm

As: <1ppm

Heavy metal: ≤10ppm

Benzo(a) pyrene: <2ppb

Residual solvents: conform USP<467>

Microbiological:

Total bacterial count: ≤1000cfu/g

Yeast & Moulds: ≤100cfu/g

Salmonella: Negative

E-Coli: Negative

Nutrition information

Items	Results
Energy (kJ/100g)	34
Protein (g/100g)	0.34
Carbohydrate (g/100g)	2.0
Total fat (g/100g)	0.0
Saturated fatty acids	0
Monounsaturated fatty acids	0
Polyunsaturated fatty acids	0
Total sugar	0
Dietary fiber (g/100g)	0
Polyols(g/100g)	0
Starch(g/100g)	0
Moisture (g/100g)	0.3
Ash(g/100g)	0
Total vitamin C (g/100g)	<1.0
Cholesterol by GC(mg/100g)	<0.1
Sodium (mg/100g)	2.4
Potassium (mg/100g)	2.0
Vitamin E(mg alpha-TE)	77 800
Other, Tocopherols(g/100g)	97.4

Application

D-alpha Tocopheryl Acid Succinate 1185IU is intended for use in dietary supplement and pharmaceutical preparations (e.g. Multivitamin tablets) or in food products. It is especially recommended for direct compression tableting and two-piece capsules. Flow performance permits easy dispersion in dry mixtures. Recommended for high potency products. D-alpha Tocopheryl Acid Succinate 1185IU has minimal interaction with other ingredients commonly used in multivitamin products, i.e. Other vitamins, minerals and excipients.

Notes:

Do not overblend.

D-alpha Tocopheryl Acid Succinate 1185IU should be blended in for not more than 5 minutes immediately before tableting. Minimize stand time after blending to ensure ease of tableting.

Protect from heat.

Succinates have a low melting point and tend to soften at temperatures above room temperature. As equipment heats up and succinate softens, “sticking” may occur. To minimize sticking, minimize compression pressure, lower equipment speed and clean equipment often.

The active ingredient and the surface treatment agent in D-alpha Tocopheryl Acid Succinate 1185IU are currently approved under several food regulations within the European Community.

Standards

Produced under ISO9000 System.

Storage

The product may be stored for 24 months in the unopened original container. It shall be stored at ambient temperature, under dry conditions, protected from heat, light, moisture and oxygen, and in tightly closed containers.

Package

25kg cardboard drum (Food grade).