

TECHNICAL DATA SHEET

Tocobest™ D-α-Tocopheryl Succinate

1185IU EC

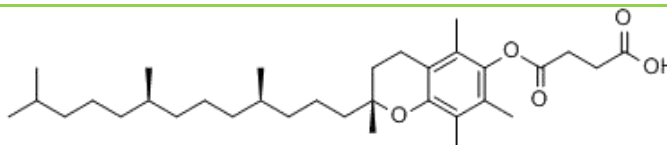
Chemical Properties

CAS No.: 4345-03-3

EINECS No.: 224-403-8

Chemical Formula: C₃₃H₅₄O₅

Molecular Weight: 530.78



Description

D-alpha-Tocopheryl Acid Succinate 1185 is the esterified product of d-alpha-tocopherol and succinic acid, and granulated with ethyl cellulose. It is a white to grey-white crystalline powder or granules, almost odorless.

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1g of Tocobest™ D-alpha-tocopheryl succinate 1185 contains not less than 960mg of d-alpha-tocopheryl succinate, equivalent to 778mg alpha-Tocopherol Equivalents(mg alpha-TE) and to 1162 USP-Units or 1162 International Units(IU).

Solubility

It is insoluble in water, but soluble in propanone, ethyl alcohol, acetic ether, and oil.

Specification

Item	Specification	Test Method
Appearance	Granules or crystalline powder	Visual
Color	White or almost white	Visual
Identification	Infrared absorption spectrophotometry obtained by the substance to be examined USP conforms to that obtained by the reference	
Specific rotation	Min +24°	GB 1886.233
Assay(IU/g)	Min 1162IU/g	GC
Assay(alpha-tocopheryl succinate)	96%-102%	GC
Melting point	72°C~75°C	USP
Acid Value	18.0~19.3ml	USP
Density	0.45~0.60g/cm ³	USP
Heavy metals	Max 10ppm	ICP

Lead	Max 2ppm	ICP
Arsenic	Max 3ppm	ICP
Cadmium	Max 1ppm	ICP
Mercury	Max 0.1ppm	ICP
Hexane	Max 290ppm	HS-GC
Acetone	Max 5000ppm	HS-GC
Total plate count	Max 1,000 CFU/g	GB 4789.2
Yeasts & Molds	Max 100 CFU/g	GB 4789.15
Coliforms	Max 30MPN/100g	GB 4789.3
<i>Salmonella</i>	Negative	GB 4789.4
<i>Staphylococcus aureus</i>	Negative	GB 4789.10

Ingredients

Pure D-alpha-tocopheryl Succinate, added with 1% Ethyl cellulose as carrier. (EC is short for Ethyl cellulose)

Labeling

In the United States and the European Union: Tocobest™ Vitamin E Powder
D-alpha-Tocopheryl Succinate 1185IU

Applications

Suitable for manufacturing tablets and hard-shell 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.

Handling recommendations

Keep container in a cool, well-ventilated area. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Packaging, Storage & Shelf Life

Package	25kg/drum; or according to customers' requirements.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Shelf Life	The product may be stored for 24 months if sealed and stored properly.