

## TECHNICAL DATA SHEET

# Tocobest™ D-α-Tocopheryl Polyethylene Glycol 1000 Succinate

### Chemical Properties

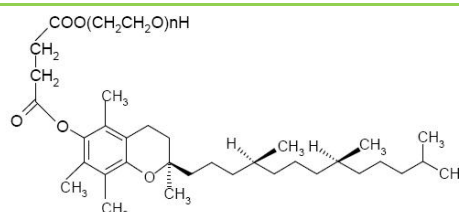
CAS No.: 9002-96-4

Chemical Formula:  $C_{33}H_{54}O_5 \cdot (C_2H_4O)_n$  n≈23

Molecular Weight: N.A.

INCI name: Tocofersolan

Synonym: Tocopherosolan



### Description

Vitamin E Polyethylene Glycol Succinate, also called D-alpha-Tocopheryl Polyethylene Glycol Succinate, water-soluble natural Vitamin E, TPGS-N, or Tocofersolan, etc., is a product of natural Vitamin E. It is an esterified product of natural Vitamin E acid succinate and polyethylene glycol. TPGS-N is soluble completely in water and produces a clarified and transperence solution.

### Solubility

It is soluble in water.

### Specification

Item	Specification	Test Method
Appearance	White to yellowish waxy solid	Visual
Odor	Nearly odorless	Organoleptic
Identification	The retention time for the major peak of the test solution corresponds to that in the standard GC, USP40-NF35 solution, as obtained in the test for content.	
Water solubility	20g sample can be dissolved in 80ml boiling water, the solution becomes clear within 3h	USP40-NF35
Specific optical rotation	Min +24°	USP40-NF35
Acidity	Max 0.27ml (0.10N sodium hydroxide)	USP40-NF35
Assay(as D-alpha-tocopherol)	Min 25%	USP40-NF35
Heavy metals	Max 10ppm	USP40-NF35
Ash	Max 0.2%	In-house
Total plate count	Max 1000 CFU/g	USP
Total yeast & mold	Max 100 CFU/g	USP
Coliforms	Max 30 MPN/100g	USP
<i>Salmonella</i>	Negative	USP
<i>Staphylococcus</i>	Negative	USP

## Ingredients

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Pure D-alpha-Tocopheryl Polyethylene Glycol 1000 Succinate

## Labeling

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In the United States and the European Union: Tocobest™ Vitamin E Powder  
TPGS-N

## Applications

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For fortification of food and drink, especially for the food with transparent appearance, also suitable for manufacturing soft-shell capsules.

## Safety

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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

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Keep away from heat. Keep away from sources of ignition. 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

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Package	25kg/drum, or 1kg/tin; or according to customers' requirements.
Storage	It should be protected from light, heat, oxygen and moisture. Keep the container tightly closed Once opened, use contents quickly
Shelf Life	2 years if sealed and stored properly.