

## TECHNICAL DATA SHEET

# Tocobest™ Mixed Tocopherols Oil

95%

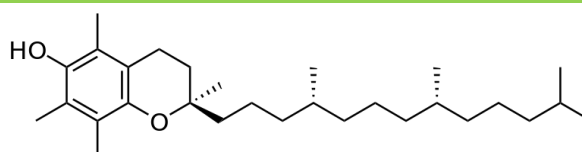
### Chemical Properties

CAS No.: 59-02-9

EINECS No.: 200-412-2

Chemical Formula:  $C_{29}H_{50}O_2$

Molecular Weight: 430.71

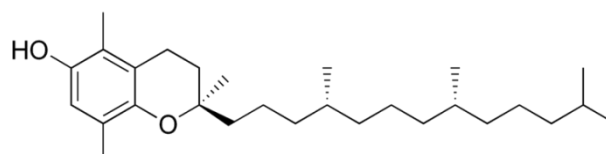


CAS number: 16698-35-4

EINECS No.: 16698-35-4

Chemical Formula:  $C_{28}H_{48}O_2$

Molecular Weight: 416.68

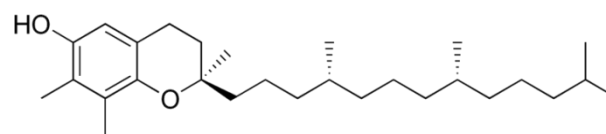


CAS number: 54-28-4

EINECS No.: 200-201-5

Chemical Formula:  $C_{28}H_{48}O_2$

Molecular Weight: 416.68

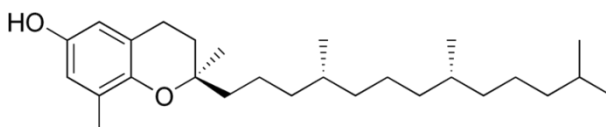


CAS number: 119-13-1

EINECS No.: 204-299-0

Chemical Formula:  $C_{27}H_{46}O_2$

Molecular Weight: 402.64



### Description

Mixed Tocopherols Oil 95% contains natural mixed tocopherols which are obtained from soybean oil by suitable physical means. Tocobest™ Mixed Tocopherols Oil 95% is intended for use as an antioxidant in the dietary supplement, food and cosmetic industry.

### Solubility

It is insoluble in water, and soluble in ethanol, gasoline, ethyl and vegetable oil.

### Specification

Item	Specification	Test Method
Appearance	Brownish red clear viscous oil liquid	Organoleptic
Odor	Nearly odorless	Organoleptic
Identification	Positive	HPLC

---

Kangcare Bioindustry Co.,Ltd	Page1of 3	Product Code	151162
TEL:+86(0)25 84650384 FAX: +86(0)25 84650149	E.N.:B/0	Revision Date	Feb.08, 2018
Web:www.kangcare.com	制作人或修改人: 彭欢欢	Approved Date	Feb.08, 2018
		负责人: 徐立人	

Specific rotation	Min +20°	USP<781>
Acidity	Max 1ml	USP
Total tocopherols	Min 95%	
D-α	result will be reported in COA	HPLC
D-(β+γ)	result will be reported in COA	
D-δ	result will be reported in COA	
d-(β+γ+δ)-tocopherols in total tocopherols	Min 80%	HPLC
Peroxide value	Max 5meg/kg	In-house
Sulfate	Max 0.1%	In-house
Organic Volatile Impurities	Meet the requirements of USP	USP
Heavy metals	Max 10ppm	USP<231>
Lead	Max 2ppm	ICP-MS
mercury	Max 1ppm	ICP-MS
Arsenic	Max 3ppm	ICP-MS
Benzo(a)pyrene	Max 2ppb	GC-MS
Dioxin	Max 0.75ppt	In-house
Melamine	Max 2.5ppm	In-house
Total plate count	Max 1000 CFU/g	USP<61>
Total yeast & mold	Max 100 CFU/g	USP<61>
<i>Coliform</i>	Negative	USP<61>
<i>Salmonella</i>	Negative	USP<61>
<i>E. Coli</i>	Negative	USP<61>
<i>Staphylococcus aureus</i>	Negative	USP<61>

## Ingredients

---

95% Mixed tocopherols(D-alpha-, beta-, gamma- & delta-) and 5% soybean oil.

## Labeling

---

In the United States and the European Union: Tocobest™ Vitamin E Oil  
Mixed Tocopherols Oil 95%

## Applications

---

It is used as a nutrient in edible oil, dairy products, flesh products, nutritional and pharmaceutical preparations such as soft-shell capsule, and also used widely in cosmetics.

## 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

---

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

### Packaging, Storage & Shelf Life

---

Package	20kg/drum, 50kg/drum, or 190kg/drum; or according to customers' requirements.
Storage	Store in cool and dry place. It should be protected from heat, light, oxygen and moisture. Keep the container tightly closed. Once opened, use out quickly.
Shelf Life	24 months if sealed and stored properly.