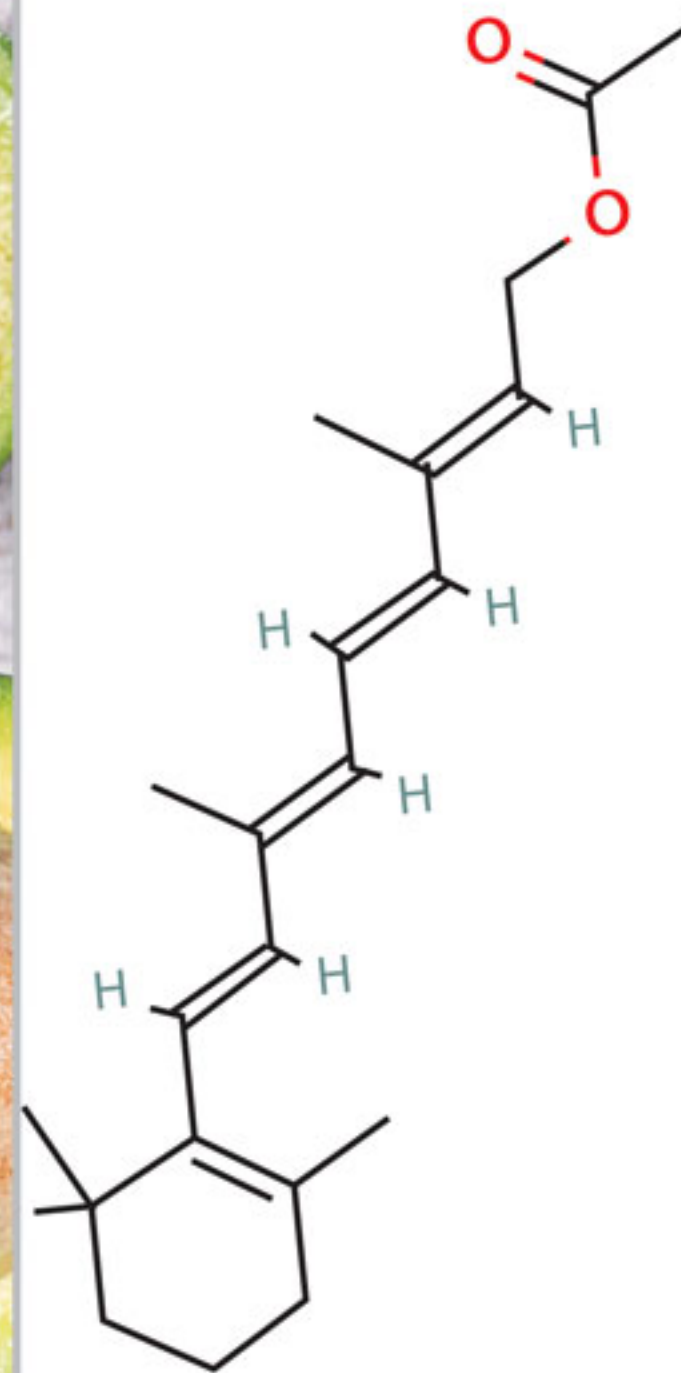


Vitamin A Acetate

Applications

- Pharmaceutical Dosage
- Nutritional Supplements
- Food Fortification
- Cosmetics and Skincare Products
- Animal Feed Additive



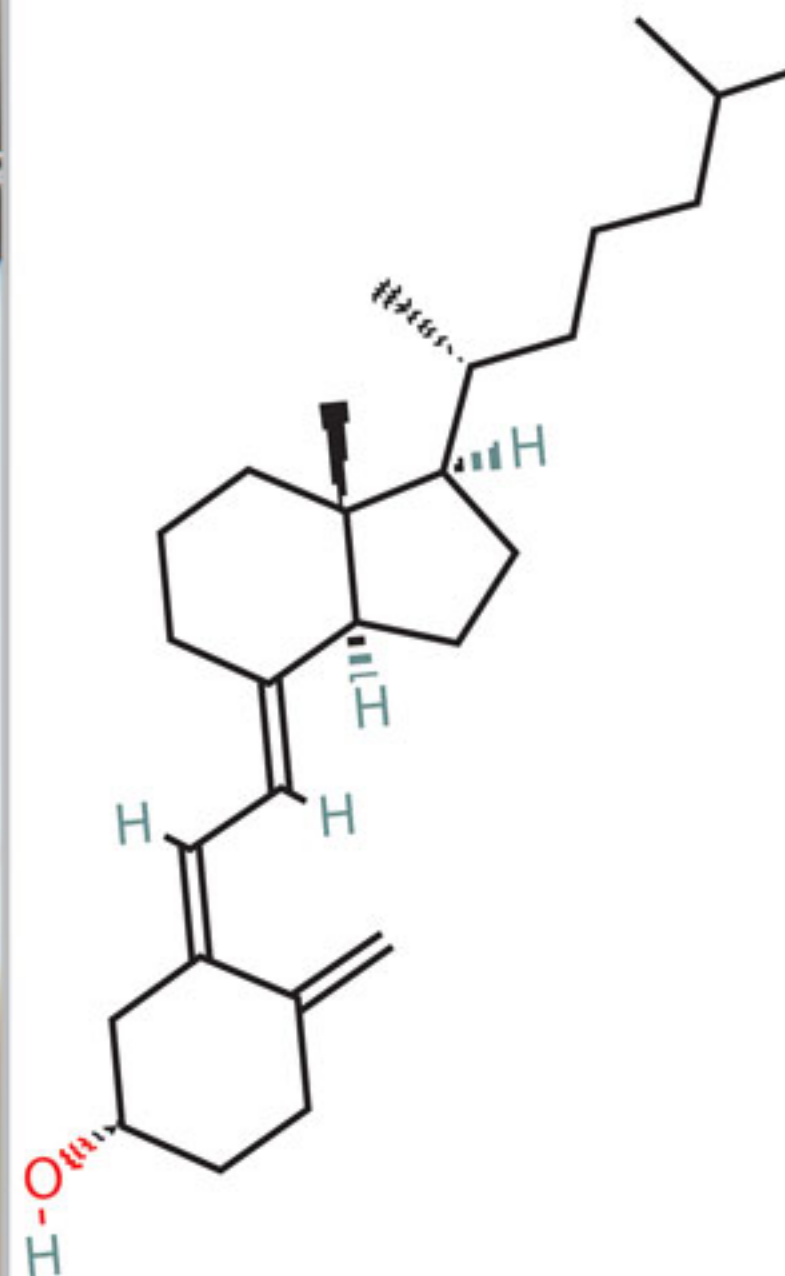
COA	
Product Name	Vitamin A Acetate 500 SD CWS/A
Appearance	Light Yellow Free-Flowing Powder
Analytical Specification USP 43	
Assay	≥ 500,000 IU/g
Los on Drying	≤ 5%
Solubility	Dispersible in cool water forming a milky emulsion
Sieve analysis	100 % Through sieve No.40 (US)
	≥ 90 % Through sieve No.60 (US)
	≥ 45 %Through sieve No.100 (US)
Heavy Metals	≥ 10mg/kg
Microbiological Specification USP 43	
Total Plate Count	≤1000CFU/g
Yeasts and Molds	≤100CFU/g
Salmonella	Negative
Packaging	25 Kg Carton
Storage Conditions	Keep in a dry and cool place, in a sealed container



Vitamin D3

Applications

- Food Fortification
- Dietary supplements
- Cosmetics



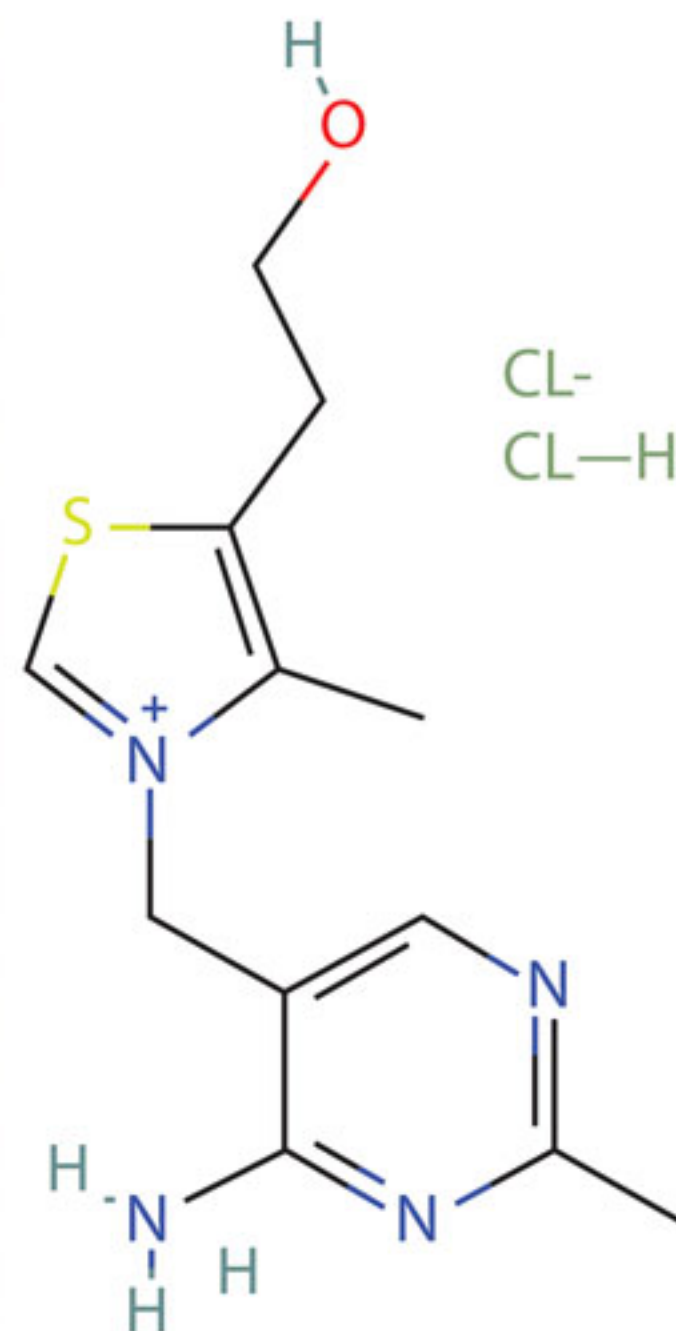
COA	
Product Name	Vitamin D3 Powder 100/000 IU/g
Appearance	Off-white or Light Yellow free-flowing Powder
Analytical Specification USP 43	
Assay	$\geq 100/000$ IU/g
Los on Drying	$\leq 5\%$
Solubility	Soluble in alcohols, acetone, chloroform, toluene, vegetable oils, in soluble in water
Identification	Positive
Residual solvents	Meet the requirements
Acid value	≤ 2.0 mgKOH/g
Peroxide value	Negative
Heavy metals	≤ 10 mg/kg
Microbiological Specification USP 43	
Total plate count	< 1000 cfu/g
Yeast and molds	< 100 cfu/g
E.coli	Negative
Salmonella	Negative
Packaging	15 Kg Drum
Storage Conditions	Keep in a dry and cool place, in a sealed container



Vitamin B1 (Thiamine HCl)

Applications

- Nutritional Supplements
- Treatment of Thiamine Deficiency
- Pharmaceuticals
- Animal Feed Additive



COA	
Product Name	Thiamine Hydrochloride
Appearance	White or Almost White, Crystalline Powder
Analytical Specification USP 43	
Assay	98.5- 101%
Los on Drying	≤ 3.0%
Identification	IR and test of chlorides
Solubility	Freely soluble in water, soluble in glycerol, slightly soluble in alcohol
Heavy Metals	≤20mg/kg
Appearance of solution	Clear and not more than Y7
Sulphates	≤ppm 300
Limit of nitrate	No brown ring is produced
Related substances	Total: ≤0.1 %
Water	≤ 5 %
Sulphated ash	≤0.1%
Related compounds	≤ 1.0%
Package	25Kg Carton
Storage Conditions	Keep in a dry and cool place, in a sealed container

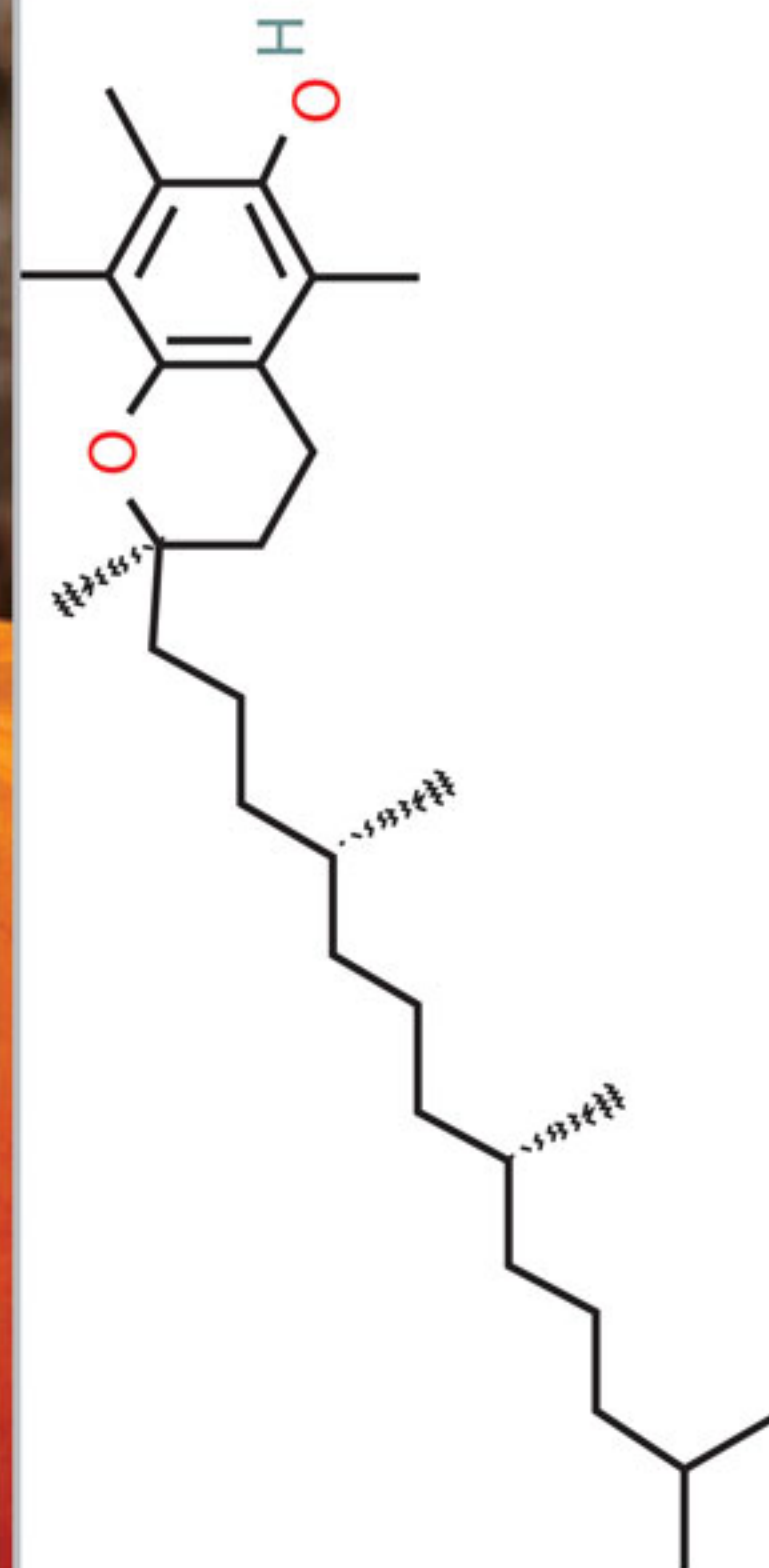


Vitamin E

50 %

Applications

- Pharmaceuticals
- Personal Care Products
- Animal Nutrition
- Food and Beverage Industry
- Cosmetics and Skincare
- Dietary Supplements



COA	
Product Name	Vitamin E Acetate 50 % CWS/S
Appearance	White Or Off-White Free-Flowing Powder
Analytical Specification	
Item	USP 40 Standards
Assay	≥ 50%
Los on Drying	≤3.0%
Identification	A: A bright red or orange color develops B: Optical rotation the dl-forms shows es- sentially no optical rotation C: The retention time of major peak of the sample solution
Solubility	Dispersible in cool water forming a milky emulsion
Sieve analysis	100 % Through sieve No.40 (US) ≥ 90 % Through sieve No.60 (US) ≥ 45 % Through sieve No.100 (US)
Heavy Metals	≥ 10mg/kg
Microbiological Specification USP 43	
Total Plate Count	≤ 1000CFU/g
Yeasts and Molds	≤ 100CFU/g
Salmonella	Negative
Coliforms	< 0.3 MPN/g
Packaging	Kg Carton 25
Storage Conditions	Keep in a dry and cool place, in a sealed container

