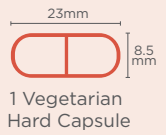


Annatto-E™ 150

150 mg 90% delta tocotrienols antioxidant



OVERVIEW

- > Provides 150 mg total tocotrienols per capsule.
- > Antioxidant that helps reduce free radicals formed in the body.
- > Maintains healthy cholesterol.
- > Supports cardiovascular system health.

Active Ingredients (per vegetarian hard capsule)		Excipients	
<i>Bixa orellana</i> (Annatto) distillate concentrate	234.5 mg	Calcium hydrogen phosphate dihydrate	
from dry seed	78.09 g	Hypromellose	
equivalent to total tocotrienols	150 mg	Purified water	
equivalent to delta tocotrienols	132 mg	Microcrystalline cellulose	
equivalent to gamma tocotrienols	18 mg	Silicon dioxide	
		Modified food starch	
		Magnesium stearate (vegetable)	
		Colloidal anhydrous silica	
Directions for Use		Warning	
Take 1 to 2 capsules per day or as directed by your health professional.		If symptoms persist, talk to your health professional. Vitamin supplements should not replace a balanced diet.	
Allergen Information		Designed and packed in Australia from local and imported ingredients.	
No added: gluten, yeast, dairy, lactose, nuts, eggs and soy.			
Pack Size	30		
Servings Per Pack	30 serves		



No Added Gluten



No Added Dairy



No Added Soy



No Added Yeast



No Added Preservatives



Vegan Friendly



Free from Flavours, Colours & Sweeteners





EDUCATION

Vitamin E: Tocotrienols

As part of the vitamin E family, tocotrienols consists of 4 isomers, alpha, beta, gamma, delta. These are found in high concentrations the seeds of rice, palm and annatto. With the highest quantities occurring in the annatto seed native to tropical America. Annatto seeds are unique as they don't contain any tocopherol.

Tocotrienols differ to tocopherols in its structure, bioavailability and function in the human body. Compared to tocopherols, tocotrienols have a lower molecular weight, a smaller polar head, and shorter tail, making it easier to move with the cell and be incorporate into cells. This unique advantage provides tocotrienols greater benefits in regards to cholesterol support, cellular inflammation and antioxidant protection.

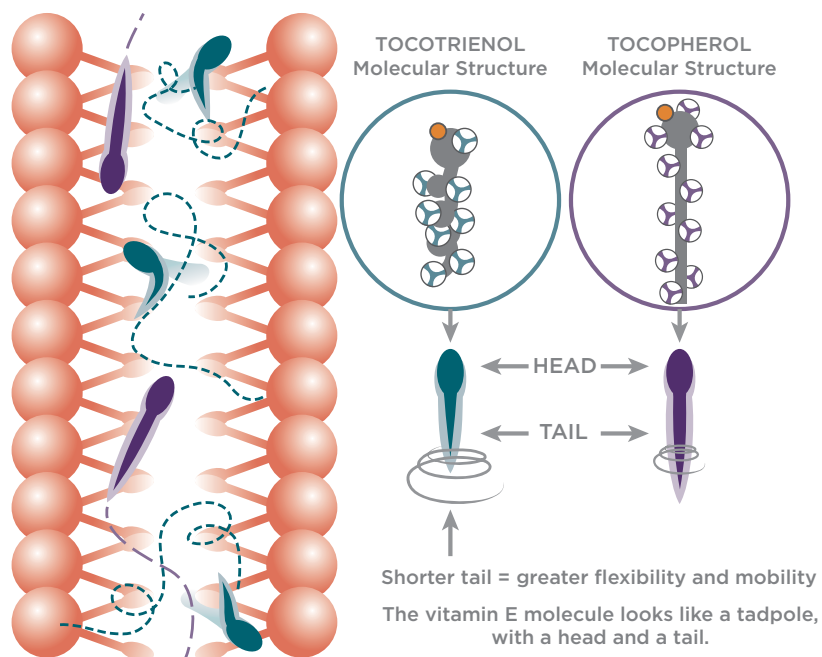
Cardiovascular

Tocotrienols have been shown to help decrease inflammation in the cardiovascular system by helping to improve parameters of oxidative stress, such as nitric oxide, MDA and CRP. The small molecular structure and lack of saturated side bonds means that tocotrienols are able to influence HMG-CoA reductase activity in the mevalonate pathway that contributes to cholesterol synthesis.

Antioxidant

The antioxidant activity of tocotrienols is believed to be attributed to the phenolic group in the chromanol ring (head) which contributes to an even distribution of tocotrienols in the lipid bilayer. In addition, the tocotrienols have improved surface location at the top of the lipid membrane which leads to better free radical quenching and protection for cells. Tocopherols have been shown to block absorption, increase the degradation and dilute the effects of tocotrienols.

Figure 1: Tocopherols vs. Tocotrienols function differently in lipid membranes.



Designs for Health Quality Guarantee

Designs for Health medicines that are listed on the Australian Register of Therapeutic Goods will display an AUSTL number on the label. Listed medicines in Australia need to be manufactured according to legislated standards set out in Therapeutic Goods Order 101. TGO101 legislation sets out minimum quality standards for medicines supplied in Australia that display an AUSTL number. It mandates testing for:

- Impurities such as heavy metals (including lead, mercury, cadmium and arsenic), pesticides and residual solvents.
- Dissolution (to ensure the capsule will dissolve once taken).
- Uniformity (to ensure that every capsule is the same).

Final assay testing is also performed to ensure that what we have on the label is in each capsule, and microbiological testing is performed to ensure that no microbial contamination has occurred during the encapsulation and packing process.