

## ABOUT DAVOS LIFE SCIENCE

- 2004** Davos Life Science was founded in Singapore as one of the world's largest manufacturers of Tocotrienols.
- 2005-2010** Kuala Lumpur Kepong Berhad (KLK) begins investing in Davos Life Science. KLK is a leading international plantations group listed on Main Market of Bursa Malaysia Securities Berhad with a market capitalisation of approximately RM24.9 (USD6) billion at the end of September 2019.
- 2010** Davos Life Science is fully incorporated into the KLK OLEO Group of Companies. KLK OLEO is a leading oleochemicals manufacturer with 15 manufacturing facilities worldwide supplying to over 120 countries.
- 2012** Manufacturing facilities were expanded and relocated to Westport, Malaysia.
- 2018** We diversify our phytonutrient offerings to include natural mixed carotenes.
- TODAY** Davos Life Science is one of the leading market players producing high quality Tocotrienols and Mixed Carotenes.

**Derived From Nature  
Driven By Science**



# DavosLife E3 Tocotrienols

Tocotrienols are potent antioxidants and anti-inflammatory agents with wide-reaching, clinically proven health benefits.

**Vitamin E**



Heart



Brain



Liver



Bone



Skin



For medical professional use.

## Evidence-based Benefits

### Heart Health

- ✓ Tocotrienols have unique cholesterol lowering properties that are not shared by  $\alpha$ -Tocopherol<sup>1,4</sup>.
- ✓ Supplementation with Tocotrienols improved plasma total cholesterol, triglycerides, and high-density lipoproteins (HDL) when compared to placebo<sup>2,3</sup>.

### Brain Health

- ✓  $\alpha$ -Tocotrienol is the most potent neuroprotective Vitamin E isomer<sup>5</sup>.
- ✓ It is more effective than  $\alpha$ -Tocopherol in preventing glutamate-induced brain injury and death<sup>1</sup>.

### Liver Health

- ✓ Tocotrienols are clinically proven to improve liver health biomarkers and liver pathophysiology in non-alcoholic fatty liver disease patients<sup>6</sup>.

### Bone Health

- ✓ Tocotrienols improve bone density by increasing osteoblast number, mineral deposition, bone formation activity, and decreasing osteoclast number, erosion on bone, and bone resorption activity<sup>1</sup>.
- ✓ In contrast, the bone protecting benefits of  $\alpha$ -Tocopherol are inconsistent and contradictory<sup>7</sup>.

### Skin Health

- ✓ Tocotrienols have skin lightening properties<sup>8</sup>, which is not seen in  $\alpha$ -Tocopherol.
- ✓ Clinical trials have confirmed Tocotrienols' efficiency in reducing skin redness and pigmentation following UV irradiation<sup>9</sup>.
- ✓ Tocotrienols stimulate collagen synthesis in the skin<sup>10</sup>.




























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## DavosLife E3

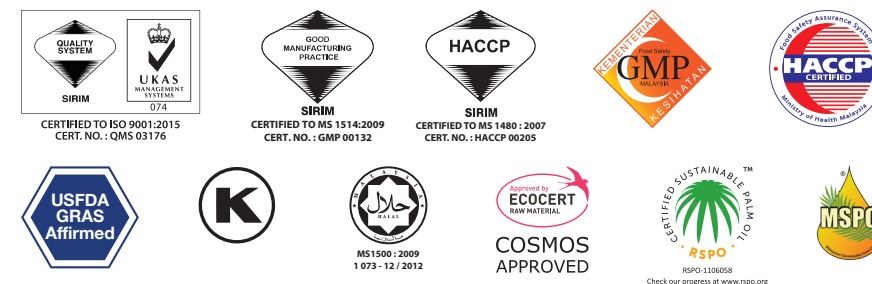
DavosLife E3 is a line of naturally derived Tocotrienol products from Oil Palm (*Elaeis guineensis*).

- ✓ Contains the full spectrum of Tocotrienol isomers ( $\alpha$ -,  $\beta$ -,  $\gamma$ -,  $\delta$ -) and  $\alpha$ -Tocopherol.
- ✓ Complies to major international regulatory standards on Persistent Organic Pollutants (POPs) and other contaminants in food and health supplements.
- ✓ Dosage recommendations: 50 - 100 mg Tocotrienols daily for overall wellness.

### Applications

DavosLife E3 Products	Vitamin E Content	Hard Capsules	Softgel Capsules	Cosmetics	Sachets	Aqueous Liquids	Dry Food Products	Oil-based Food Products
<b>Tocotrienols Liquid</b>								
<b>DVL 95</b>	95%							
<b>DVL 84</b>	84%							
<b>DVL 658i</b>	65%							
<b>DVL 50</b>	50%							
<b>DVL 503</b>	50%							
<b>Bio-Enhanced 20</b>	20%							
<b>Tocotrienols Powder</b>								
<b>DVP 30-WD</b>	30%							

### Accreditations



ECOCERT COSMOS is applicable for DAVOSLIFE E3 DVL 50, DVL 503, and DVL 95.

DavosLife E3 Bio-Enhanced 20 formulation is protected by patents in the United States of America, Australia, India, Japan, New Zealand, and Indonesia. Patent approvals in other countries are still pending. See [www.klkoleo.com/davoslife/patents](http://www.klkoleo.com/davoslife/patents) for granted and pending patents in all countries.

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