

**Vitapherole® E-250 WS Non GMO**  
(d-alpha tocopherol)**Names:**

Chemical name: d-alpha tocopherol. 2R, 4'R, 8'R-alpha-tocopherol. Vitamin E water soluble.  
INCI name: tocopherol

**Identification:**

Name: d-alpha tocopherol  
Empirical formula: C<sub>29</sub>H<sub>50</sub>O<sub>2</sub>  
Molecular weight: 430.71  
CAS: 59-02-9

**Standards:**

Current EP and USP. Halal certified. Produced under ISO 9001 standards. Non GMO

**Ingredients:**

- a) d-alpha tocopherol Non GMO. CAS-Nr. 59- 02-9
- b) Emulsifier (E-433)

<b>Appearance:</b>	Clear, pale yellow viscous oil
<b>Odour:</b>	Little to none
<b>Colour (Gardner units):</b>	Max. 12
<b>Viscosity (20°C):</b>	350-480 cP
<b>Acidity:</b>	Passes USP and EP tests
<b>Specific gravity 25°C:</b>	0.98-1.05 g/cm <sup>3</sup>
<b>Vitamin E content:</b>	168 mg/g d-alpha tocopherol Non GMO
<b>Potency:</b>	250 I.U. / g
<b>Irradiation:</b>	This product has not been irradiated

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<b>Microbiological tests (cfu/g):</b> (EP, RD 3177/83)	<i>E. Coli:</i>	None/g
	<i>Salmonella:</i>	None/10 g
	<i>Lysteria Monocytogenes:</i>	None/10 g
	<i>Shigella:</i>	None/10 g
	<i>Clostridium Perfringens:</i>	None/g
	<i>Staphylococcus Aureus:</i>	None/g
	<i>Enterobacteriaceae:</i>	max 100/g
	<i>Total Aerobic Count:</i>	max 1000/g
	<i>Yeast &amp; Moulds:</i>	max 100/g

**Solubility:**

Water soluble.

Only for acceleration of the solubilisation process: The water should be heated to 35°C and the solubilisate to 37°C.

**Stability:**

Unstable to light, heat, alkali and oxidizing conditions.

**Storage:**

Store tightly closed, in a dark place at room temperature.

**Shelf-life:**

36 months at least from packaging date (unopened in original container). This product contains no preservatives.

**Packaging:**

20 and 190 kg containers are supplied for this product.

**Labelling:**

All products produced using “Vitapherole® E-250 W.S. Non GMO” may be labelled as “natural source vitamin E”.

**Uses:**

“Vitapherole® E-250 W.S. Non GMO” is widely used in nutrition as dietary supplements, and cosmetics (skin and hair care).

**Vitapherole® E-250 WS Non GMO**  
*(d-alpha tocopherol)****Other information:***

All orders and samples requested will be sent together with an Analysis Certificate. Material Safety data Sheet is available upon request.

Contact us through our Fax: +34 925 851021; Tel: +34 925 851013; e-mail: [quality@vitaenaturals.com](mailto:quality@vitaenaturals.com) or through our web-site at: [www.vitaenaturals.com](http://www.vitaenaturals.com) and your request will be attended by our local representative.

***All information contained here is intended to be accurate. Anyway, this document is provided for your guidance only. We recommend testing the product for your particular purpose, prior to be used in the industrial process.***