

Vitapherole® E-1200 Non GMO
(d-alpha tocopherol)**Names:**

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

Identification:

Name: d-alpha tocopherols
Empirical formula: C₂₉H₅₀O₂
Molecular weight: 430.71
CAS: 59-02-9

Standards:

Current EP and USP. Kosher certified, Halal certified. Produced under ISO 9001 standards. IP Certified. Non GMO.

Appearance:	Clear, from amber to reddish viscous oil
Taste:	Mild, characteristic
Odour:	Typical vegetable oil
Viscosity (60°C):	90 - 100 cP
Specific gravity 25°C:	0.93 – 0.95 g/cm ³
Vitamin E content: (as d-alpha tocopherol) (GC analysis Vitae method ITO-02-L)	805 mg/g (minimum) – 195 mg/g (max.) sunflower dilution oil
Typical composition %	Alpha tocopherol: 80.5 min. Sunflower oil: 19.5 max. Beta- Gamma tocopherol: 0 – 1 Delta tocopherol: 0 – 0.2
Potency:	1200 I.U. /g (min)
Acidity:	Passes USP and EP tests
Irradiation:	This product has not been irradiated
Specific rotation:	(α) _D ²⁵ . Min. +24° (for 100% concentration)
Heavy metals (total):	Passes USP

Last revision: 14.12.11. (Issue 21)

Page 1 of 3

Vitapherole® E-1200 Non GMO
(d-alpha tocopherol)

Microbiological tests (cfu/g): (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 & Moulds:</i>	max. 100/g

Residual solvents: Passes USP

Colour (Gardner units): Max. 12

Benzo (a) pyrene: < 2 ppb (as per EC regulation 208/2005 published on February 4, 2005.)

Solubility:

Insoluble in water. Soluble in ethanol, animal fats and vegetable oils, essential and mineral oils, miscible with organic solvents.

Stability:

Unstable to light, heat, alkali and oxidizing conditions.

Storage:

“Vitapherole®E-1200 Non GMO” may oxidize upon exposure to air and light, resulting in gradual darkening. Nitrogen blanketing and protection from light, heat and alkaline environment are recommended. Store tightly closed.

Shelf life:

36 months from packaging date (unopened).

Packaging:

20 and 190 kg containers are supplied for this product.

Labelling:

All products produced using “Vitapherole® E-1200 Non GMO” may be labelled as “natural source vitamin E”.

Vitapherole® E-1200 Non GMO
*(d-alpha tocopherol)****Uses:***

“Vitapherole® E-1200 Non GMO” widely used in nutrition as dietary supplement in soft gelatine capsules.

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 or through our web-site at: 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.