

**Vitapherole® E-1000 Acetate Non GMO**  
(d-alpha tocopheryl acetate)**Names:**

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

**Identification:**

Name: d-alpha tocopheryl acetate  
Empirical formula: C<sub>31</sub>H<sub>52</sub>O<sub>3</sub>  
Molecular weight: 473  
CAS: 58-95-7

**Standards:**

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

|   |   |
|---|---|
| <b>Appearance:</b>  | Clear, pale yellow viscous oil  |
| <b>Taste:</b>   | Mild, characteristic  |
| <b>Odour:</b>   | Little to none  |
| <b>Viscosity (60°C):</b>  | 90 - 100 cP   |
| <b>Specific gravity 25°C:</b>   | 0.93 – 0.96 g/cm <sup>3</sup>   |
| <b>Vitamin E content:</b><br>(as d-alpha tocopheryl acetate)<br>(GC analysis Vitae method ITO – 02 – L) | 735 mg/g (minimum) – 265 mg/g (max) sunflower dilution oil.                   |
| <b>Potency:</b>   | 1000 I.U. / g (min.)  |
| <b>Acidity:</b>   | Passes USP and EP tests   |
| <b>Irradiation:</b>   | This product has not been irradiated  |
| <b>Specific rotation:</b>   | ( $\alpha$ ) <sub>D</sub> <sup>25</sup> . Min. + 24° (for 100% concentration) |
| <b>Heavy metals (total):</b>  | Passes USP  |

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|   |                                 |              |
|---|---------------------------------|--------------|
| <b>Microbiological tests (cfu/g):</b><br>(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. 1.000/g |
|   | <i>Yeast &amp; Moulds:</i>      | Max. 100/g   |

**Residual solvents:** Passes USP

**Colour (Gardner units):** Max. 8

**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:**

Stable to light, heat and acid. Unstable to alkali and oxidizing conditions.

**Storage:**

“Vitapherole®E-1000 acetate 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:**

48 months from packaging date (unopened).

**Packaging:**

20 and 190 kg containers are supplied for this product.

**Labelling:**

All products produced using “Vitapherole® E-1000 Acetate Non GMO” may be labelled as “natural source Vitamin E”.

**Vitapherole® E-1000 Acetate Non GMO**  
(d-alpha tocopheryl acetate)**Uses:**

“Vitapherole® E-1000 Acetate Non GMO” widely used in nutrition as dietary supplement in soft gelatine capsules. It is also widely used for cosmetics preparations.

**Other information:**

All orders and samples requested will be sent together with an Analysis Certificate. The 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 to 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.*