

**Vitapherole® SU-1210 Non GMO**  
(d-alpha tocopheryl succinate)**Names:**

Chemical name: d-alpha tocopheryl acid succinate. 2R, 4'R, 8'R-alpha-tocopheryl succinate. Vitamin E succinate. RRR-alpha-tocopheryl succinate. D-alpha-tocopheryl hydrogen succinate.  
INCI name: tocopherol

**Identification:**

Name: d-alpha tocopheryl succinate  
Empirical formula: C<sub>33</sub>H<sub>54</sub>O<sub>5</sub>  
Molecular weight: 530.79  
CAS: 4345-03-3

**Standards:**

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

**Appearance:** White to greyish-white powder

**Taste:** Little to none

**Odour:** Little to none

**Specific gravity:** 0.40 – 0.60 g/cm<sup>3</sup>

**Assay:** 960 mg/g (minimum)  
(as d-alpha tocopheryl succinate)

**Potency:** 1162 I.U. / g (minimum)  
(1 mg d-alpha-tocopheryl succinate = 1.21 I.U.)

**Acidity:** 18.0-19.3 mg KOH/g

**Specific rotation:** Min. + 24° (at 100 % concentration)

**Heavy metals (total):** Max. 10 ppm

**Arsenic:** Max. 3 ppm

**Melting point:** 73-78 °C

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

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**Irradiation:** This product has not been irradiated

**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 &amp; Moulds:</i>	max 100/g

**Residual solvents:** Passes USP

**Solubility:**

Insoluble in water. Soluble in organic solvents, poorly soluble in vegetable oils.

**Stability:**

Stable to acid. Unstable to heat, alkali and oxidizing conditions. The esterified form of Vitamin E is stable to light, oxygen, and mild oxidizing agents, however, exposure should be limited

**Storage:**

“Vitapherole® SU-1210 Non GMO” must be stored in tightly closed containers. Store in a cool and dry place. Protect from heat, light and oxygen. Keep the product in unopened original packing.

**Shelf Life:**

36 months at least from the date of manufacture, keeping the product under the above mentioned storage conditions (in unopened original package).

**Packaging:**

25 kg containers are supplied for this product.

**Labelling:**

All products produced using “Vitapherole® SU-1210 Non GMO” may be labelled as “natural source Vitamin E”.

**Vitapherole® SU-1210 Non GMO**  
*(d-alpha tocopheryl succinate)***Uses:**

“Vitapherole® SU-1210 Non GMO” is widely used in solid dietary supplement and pharmaceutical preparations (e.g. multivitamin tablets) or in food products where a high concentration of Vitamin E is to be formulated. It is also widely used for cosmetics preparations.

“Vitapherole® SU-1210 Non GMO” has minimal interaction with other ingredients commonly used in such products, and other minerals, vitamins or excipients.

**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.*