

**Vitapherole® AOX 60 Non GMO**  
(Antioxidant System)**Names**

Chemical name: mixed tocopherols, extracts of rosemary.

Antioxidant: E-306, E-392

INCI name: tocopherol, extracts of rosemary.

**Identification**

<u>Name</u>	<u>Empirical formula</u>	<u>Molecular weight</u>	<u>CAS</u>
d-alpha tocopherol	C <sub>29</sub> H <sub>50</sub> O <sub>2</sub>	430.69	59-02-9
d-beta tocopherol	C <sub>28</sub> H <sub>48</sub> O <sub>2</sub>	416.66	16698-35-4
d-gamma tocopherol	C <sub>28</sub> H <sub>48</sub> O <sub>2</sub>	416.66	54-28-4
d-delta tocopherol	C <sub>27</sub> H <sub>46</sub> O <sub>2</sub>	402.64	119-13-1
Extracts of rosemary	Not available	Not available	84604-14-8

**Ingredients/Composition**

- Mixed tocopherols: 420 mg/g min. (42%) min.
- Extracts of rosemary
- Vegetable oil

**Quality Control Assay**

*(Parameters analyzed per batch)*

<b>Appearance:</b>	Slightly viscous, yellow to amber oil
<b>Odour:</b>	Rosemary aroma
<b>Colour:</b>	Max. 14 Gardner Units
<b>Viscosity:</b>	60 – 120 cP
<b>Specific gravity/Density (25°C):</b>	0.90 – 0.95 g/cm <sup>3</sup>

**Properties and Conditions**

**Solubility:** Insoluble in water. Soluble in ethanol, animal fats and vegetable oils, essential and mineral oils. Miscible with organic solvents.

**Storage:** Ambient temperature. Nitrogen blanketing and protection from light, moisture and air. Store in tightly closed containers.

**Shelf life:** 24 months from packaging date (unopened).

**Packaging:** 20 kg and 190 kg containers are supplied for this product.

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*(Antioxidant System)*

**Uses:** “Vitapherole® AOX 60 Non GMO” is a natural antioxidant widely used in food and pet foods industries to avoid the negative effects of oxidation. Add “Vitapherole® AOX 60 Non GMO” into fat or oil at 20°C-50°C while stirring until the product has been homogeneously mixed.

**Dosage information:**

We recommend testing with several different amounts of “Vitapherole® AOX 60 Non GMO” between 300 and 2000 ppm, which is equivalent to 0.03 to 0.2 % based on the fat content.

**Other information**

All orders and samples requested will be sent together with an Analysis Certificate and Material Safety Data Sheet. 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.*